Product Change Notification

PCN Date:	December 18th, 2025	
Supplier Name:	Pulse Electronics	
Pulse PCN No.	PCN-100000788	
Description of Change	Add manufacturing location YUHONG in Sichuan Province. This factory is also certified by IATF16949 and ISO9001. It has no impact on the shape, fit, and function of the product. The product process and bill of materials will remain unchanged The MPO will perform a 100% appearance and electrical function check.	
Reason for Change	1. Extend the manufacturing capacity to support large demand. 2. Business contingency requirement to address security of supply.	
Summary of Changes between the new and old part	**Present**	**New**
	-Manufacturing location: 1. IDE 2. ZK	-Manufacturing location: 1. YUHONG 2. IDE 3. ZK
Traceability guidelines	1.HX5020NL/HX5020NLT：By product date code, for example 2552-M Note: Traceability records can be provided upon request 2. H5143FNL/ H5143FNLT/ HX6101NL/ HX6101NLT/ HU4006NL/ HU4006NLT/ HX5019FNL/ HX5019FNLT/ HX1224CNL/ HX1224CNLT These parts will be marked with the -Y1 suffix after the date code, for example 2552-Y1.	
Qualification Data attached? File name(s)	HX5020NL Qualification Test HX6101NL Qualification Test H5143FNL Qualification Test HU4006NL Qualification Test HX5019FNL Qualification Test HX1224CNL Qualification Test	

Customer	**Customer Part Number**	**Pulse Part Number**	**PCN Effectivity Date**
/		HX5020NL	March 18th, 2026
/		HX5020NLT	March 18th, 2026
/		H5143FNL	March 18th, 2026

/	H5143FNLT	March 18th, 2026
/	HX6101NL	March 18th, 2026
/	HX6101NLT	March 18th, 2026
/	HU4006NL	March 18th, 2026
/	HU4006NLT	March 18th, 2026
/	HX5019FNL	March 18th, 2026
/	HX5019FNLT	March 18th, 2026
/	HX1224CNL	March 18th, 2026
/	HX1224CNLT	March 18th, 2026

Customer: Generic **Originator:** Wang jun
Phone: (86)-0816-7077888-6433
E-mail: jun.wang@yageo.com
Statement: Dear customer, please response this PCN requirement. If you have any special requirements, please let us know. Lack of response after 30 days will be considered acceptable of change.

Qualification Report _ HX5020NL

Rev A: 4/11/2025

Prepared By:
Colin Zhang
Pulse MPO Sr. QA Supervisor

Approved By:
Raymond Tan
Pulse Network Quality Manager

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HX5020NL Test Summary (Revision:A)

1. PURPOSE

This is an internal Pulse Qualification Plan to qualify part HX5020NL from YH,
Testing data will be reviewed after each environmental testing.

2. SCOPE

HX5020NL is produced in YH and tested in MPO.

3. REFERENCES

HX5020NL released document P2 and Pulse PQ 2.107.000.

4. TEST SUMMARY AS BELOW:

TEST Description	Reference	Sample size	Test conditions/Remarks	Result	Remarks
Visual/mechanical examination	2.107.001	144	Using 10X magnification and appropriate mechanical measurement tools;	Pass	N/A
High Temperature Exposure (Storage)	2.107.012	38	125°C 1000 hours.	Pass	Appendix 1
Thermal shock	2.107.008	38	100cycles (-40C to125C)	Pass	Appendix 2
Temp.& Humidity	2.107.003	38	1000 hours 85C/85%RH.	Pass	Appendix 3
Resistance to Soldering Heat	2.107.032	30	Method,3times Reflow tests.	Pass	Appendix 4
Mechanical Shock	MIL-STD-202 Method 213	30	Pulse shape: half sine Nominal pulse length: 6msNumber of shocks: 6 each in both direction of each axis (total 18)	Pass	Appendix 5
Vibration	MIL-STD-202 Method 204		Pulse shape: sine wave Range of frequency 2: 10 - 2000Hz Amplitude: 5g Frequency sweep: 0.5 oct/min Duration: total 24h each of 3axis		

Appendix 1

HX5020NL High Temperature1000hrs Electrical Test Data

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1-2	2-3	4-5	5-6	7-8	8-9	10-11	11-12	13-14	14-15
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	403.25	296.00	558.29	569.93	422.00	246.75	497.13	420.71	479.32	459.59
STD DEV =	5.41	5.27	9.35	10.40	9.46	3.36	17.59	16.87	8.81	8.63
Cpu	98.36	107.84	51.39	45.86	55.62	174.03	28.47	31.21	57.57	59.49
Cpl										
Cpk	98.36	107.84	51.39	45.86	55.62	174.03	28.47	31.21	57.57	59.49
DATA	-	-	-	-	-	-	-	-	-	-
1	406.284	304.116	555.944	559.41	461.535	251.402	499.501	417.328	487.228	468.617
2	414.877	309.763	581.342	591.159	434.88	251.445	514.145	446.052	482.766	460.127
3	398.913	296.918	562.027	576.539	427.585	249.898	489.249	415.252	476.364	462.048
4	410.263	307.217	562.41	564.889	424.414	245.883	514.294	441.268	478.459	460.024
5	401.068	295.695	560.207	591.062	413.364	243.212	485.757	409.937	492	464.468
6	397.769	292.377	555.944	564.05	433.124	249.424	491.149	417.737	468.028	451.479
7	401.417	292.651	553.188	575.908	418.239	241.986	501.013	420.638	482.349	458.922
8	398.734	291.426	548.896	560.578	416.808	244.921	486.638	410.424	466.756	458.521
9	394.482	289.368	548.849	562.637	418.08	243.529	491.022	412.345	475.277	455.499
10	406.129	296.81	563.316	564.697	421.547	245.928	501.555	417.684	478.955	446.67
11	404.257	295.618	573.723	590.704	413.353	244.199	489.408	414.839	481.138	459.136
12	407.198	305.228	552.787	573.487	413.73	242.889	517.131	413.348	484.829	462.128
13	400.276	295.847	563.825	570.752	430.131	251.394	498.011	418.598	507.358	489.669
14	399.668	289.51	544.65	551.79	432.54	245.987	488.85	406.02	482.782	468.352
15	397.925	296.039	552.787	567.409	421.755	245.653	509.319	420.88	478.97	455.691
16	421.154	307.83	553.333	575.891	418.768	245.937	527.544	429.704	477.235	459.616
17	395.239	289.8	551.392	562.901	413.466	241.513	582.62	496.286	465.362	449.075
18	402.324	292.315	549.24	556.674	420.891	247.54	491.429	428.738	481.74	465.9
19	403.343	295.025	562.038	577.939	438.688	253.207	504.507	418.261	491.393	462.998
20	408.397	289.958	555.644	566.537	425.116	251.824	487.78	409.364	474.148	454.408
21	400.219	293.734	545.233	552.459	422.267	250.211	491.326	428.621	468.73	451.26
22	400.54	292.464	554.915	565.297	414.579	243.438	492.414	411.602	472.306	451.49
23	398.137	291.256	562.422	569.228	425.247	252.7	493.472	411.079	476.925	455.021
24	408.124	299.057	589.163	591.512	417.976	243.216	485.526	418.014	472.229	450.845
25	400.871	292.035	566.695	579.87	417.022	247.089	493.731	421.093	484.012	454.54
26	403.085	295.754	547.769	554.765	412.053	242.738	481.428	403.183	466.046	450.456
27	401.574	296.066	553.828	570.557	414.924	247.783	486.493	409.464	478.314	455.122
28	405.848	297.264	552.154	562.171	426.442	248.201	485.7	406.961	472.335	461.27
29	400.655	293.074	556.821	567.857	418.061	243.37	490.739	407.143	478.966	460.642
30	399.381	293.322	553.684	560.21	413.971	242.491	484.191	405.945	478.752	458.306
31	409.304	298.757	573.874	581.165	420.312	247.668	479.807	414.227	476.687	451.331
32	397.256	291.82	556.73	572.968	411.861	243.584	510.189	433.223	473.89	453.741
33	407.108	297.076	557.572	559.795	425.566	248.84	496.34	417.734	474.332	455.14
34	406.147	299.199	566.114	579.191	424.12	250.615	491.905	440.656	476.618	456.568
35	404.594	297.441	555.715	578.073	422.652	248.999	492.187	452.521	477.955	461.209
36	410.828	303.674	554.149	569.436	409.103	243.747	488.295	413.039	499.345	481.93
37	400.043	292.239	564.708	568.536	425.353	249.446	489.15	418.947	478.739	468.58
38	400.239	290.414	551.936	569.12	416.65	244.47	487.102	408.796	494.927	473.544

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17	17-18	19-20	20-21	22-23	23-24	25-26	26-27	28-29	29-30
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	582.66	389.47	507.50	593.26	62.92	195.97	826.24	845.93	829.88	824.21
STD DEV =	8.23	5.87	8.57	16.85	1.13	3.41	8.96	12.72	8.54	14.42
Cpu	57.43	91.40	58.07	27.83	571.88	176.39	43.68	30.23	45.66	27.18
Cpl										
Cpk	57.43	91.40	58.07	27.83	571.88	176.39	43.68	30.23	45.66	27.18
DATA	-	-	-	-	-	-	-	-	-	-
1	580.734	387.889	501.575	589.555	63.686	200.877	829.943	844.852	833.853	825.909
2	588.743	389.99	511.656	585.116	65.647	207.418	849.496	873.345	833.465	827.164
3	577.984	391.174	501.262	616.891	63.238	197.486	828.51	849.814	828.948	820.98
4	576.921	387.535	526.135	586.161	62.348	196.763	814.322	837.676	835.708	833.238
5	596.027	387.13	497.829	622.138	64.935	199.859	837.169	852.57	812.856	804.011
6	573.166	384.592	500.81	605.845	63.297	192.736	823.568	831.095	828.982	814.504
7	577.821	387.9	509.415	614.751	66.321	200.288	819.891	833.543	845.351	840.881
8	590.296	395.857	507.379	628.158	63.586	197.526	828.702	858.795	833.034	828.197
9	567.84	380.486	499.806	600.477	63.753	197.549	833.921	848.762	828.826	822.889
10	579.414	390.101	503.549	578.083	62.891	194.108	812.765	836.098	820.322	810.14
11	595.688	392.984	509.722	589.299	62.876	203.067	827.15	854.198	836.72	836.006
12	587.842	396.335	513.273	598.069	61.93	191.995	826.336	844.86	834.983	826.686
13	591.164	394.656	511.31	587.079	62.271	196.912	819.093	844.988	835.319	830.711
14	570.636	383.514	498.639	579.821	62.467	195.599	823.926	839.003	832.441	826.571
15	575.58	384.737	499.52	575.086	63.66	197.587	824.389	850.669	817.401	811.889
16	591.859	397.384	522.282	589.925	62.067	192.914	806.734	817.276	842.536	831.609
17	573.669	383.513	511.932	600.651	63.174	193.069	824.015	839.511	841.069	832.983
18	583.178	390.442	502.289	582.835	63.361	196.427	829.405	852.181	824.884	819.217
19	578.734	385.841	503.36	652.818	62.461	194.477	829.778	858.809	822.099	811
20	581.789	386.914	506.924	590.264	63.103	194.057	807.653	874.072	825.19	820.407
21	573.987	380.903	506.63	583.039	62.664	193.207	832.673	840.406	830.01	826.254
22	580.241	388.47	505.026	594.725	62.319	194.727	830.669	852.03	837.943	831.746
23	583.131	392.339	498.861	576.673	62.057	193.532	823.799	843.874	821.872	814.475
24	573.549	383.652	528.507	599.115	62.145	196.532	829.166	858.985	846.219	836.083
25	573.721	384.288	498.441	577.961	61.046	193.087	819.394	832.612	812.192	809.656
26	595.676	386.618	523.912	609.062	62.566	194.202	830.848	877.783	823.702	817.779
27	591.331	390.884	509.506	595.639	61.83	194.962	813.983	836.192	829.815	821.638
28	588.36	392.683	524.36	608.484	62.834	196.969	839.241	843.387	840.911	833.136
29	581.492	388.531	513.317	591.566	64.479	198.507	841.575	861.329	830.234	821.652
30	586.978	394.749	501.802	581.495	61.509	192.465	828.492	834.378	830.737	891.104
31	582.907	389.592	501.244	580.632	63.936	201.254	837.365	855.742	818.686	814.398
32	581.198	389.312	501.444	579.747	62.317	193.146	830.043	844.298	823.993	803.96
33	580.757	388.049	514.349	582.251	62.841	197.568	832.41	845.289	837.443	826.913
34	594.419	394.484	515.556	596.032	60.905	191.455	831.035	836.882	834.999	825.908
35	570.176	384.947	500.94	575.9	62.231	193.295	821.806	832.828	823.598	813.291
36	589.955	395.223	494.711	568.22	63.859	195.562	824.571	841.781	835.895	831.119
37	574.43	382.866	502.03	582.503	62.932	194.204	818.679	832.449	828.357	818.582
38	599.633	413.303	505.705	587.676	61.559	191.447	814.514	832.893	814.763	807.435

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31-32	32-33	34-35	35-36	37-38	38-39	40-41	41-42	43-44	44-45
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	853.18	868.75	797.99	805.31	320.37	309.33	816.33	786.11	375.61	677.05
STD DEV =	10.17	10.58	15.25	9.32	9.87	9.32	11.77	8.55	9.43	17.06
Cpu	37.58	35.63	26.27	42.74	56.71	60.47	33.53	47.33	57.39	25.86
Cpl										
Cpk	37.58	35.63	26.27	42.74	56.71	60.47	33.53	47.33	57.39	25.86
DATA	-	-	-	-	-	-	-	-	-	-
1	858.692	870.037	793.258	808.52	332.492	321.859	814.261	783.233	389.202	708.244
2	869.361	883.875	805.406	816.313	328.56	313.828	821.118	785.203	405.922	729.269
3	850.701	867.946	808.261	822.909	315.247	305.691	831.546	795.192	402.92	722.633
4	850.357	868.111	789.795	806.391	333.663	325.331	810.056	772.199	372.246	673.088
5	861.041	872.309	795.645	799.887	317.69	307.481	821.42	790.518	371.685	673.789
6	850.234	849.365	795.854	800.091	317.462	308.075	833.338	802.375	373.622	677.186
7	865.043	874.758	781.628	812.88	314.735	302.971	809.853	785.144	375.132	679.285
8	855.589	870.151	792.56	817.105	310.802	299.474	818.685	783.358	373.87	665.43
9	851.667	874.28	779.558	807.349	327.605	317.109	807.992	774.923	376.156	679.364
10	848.28	861.101	782.822	792.144	313.651	301.87	817.919	786.093	378.506	684.882
11	869.519	892.647	821.397	810.502	321.298	311.038	818.012	789.631	375.523	674.44
12	883.768	895.88	829.164	823.211	319.846	307.283	809.808	784.258	373.14	668.304
13	853.153	865.374	827.18	818.249	313.873	302.796	858.817	800.764	387.406	695.512
14	841.433	856.458	827.605	818.04	314.09	303.638	832.446	800.642	372.955	670.555
15	848.488	859.701	813.076	813.212	316.967	304.438	812.12	774.018	366.743	662.338
16	845.692	881.346	809.867	805.593	337.506	322.018	815.128	783.059	367.368	654.508
17	855.571	866.157	796.642	795.44	320.402	310.203	806.351	774.679	371.913	673.74
18	862.628	865.816	827.392	813.09	346.168	331.23	828.294	796.281	373.2	670.593
19	854.126	874.825	808.285	803.435	321.875	308.632	814.804	787.802	368.05	664.27
20	854.899	872.329	823.644	808.874	314.404	304.916	822.468	798.968	378.157	687.804
21	851.534	868.485	784.608	801.429	314.054	301.551	826.082	793.221	365.546	660.721
22	851.199	865.825	799.286	808.89	313.961	302.858	803.082	786.903	391.788	706.418
23	849.629	866.729	790.245	799.839	313.488	303.916	815.986	786.621	377.072	677.828
24	836.39	848.095	775.371	787.217	324.544	311.554	819.56	792.725	371.196	669.744
25	845.816	863.1	798.959	807.477	315.426	304.923	809.753	784.943	366.941	659.48
26	847.152	861.997	793.239	804.487	310.706	300.345	825.271	779.33	383.136	690.124
27	860.72	874.939	778.812	791.931	315.62	303.605	795.975	782.417	368.694	661.354
28	869.19	893.613	783.184	789.491	353.576	341.968	834.141	800.183	361.632	650.232
29	854.248	866.277	790.643	800.024	324.739	314.306	805.574	780.184	378.98	682.893
30	858.168	869.683	791.964	812.764	312.866	301.714	802.524	782.154	385.825	688.791
31	858.526	869.427	794.514	806.113	307.267	297.052	819.131	796.154	375.978	681.291
32	863.463	877.623	795.369	801.732	313.945	305.201	804.564	776.673	370.955	667.336
33	846.448	862.341	793.189	802.774	331.506	319.753	807.308	778.662	370.296	671.439
34	837.288	855.126	780.55	791.232	318.388	307.648	811.813	784.726	367.454	664.916
35	836.769	867.418	778.169	792.314	320.824	312.331	810.577	784.847	367.061	657.164
36	841.285	860.055	795.521	804.344	321.351	312.454	804.587	778.418	369.628	671.667
37	843.857	861.841	806.802	813.493	310.92	301.743	819.627	788.334	373.482	676.195
38	838.874	857.631	784.283	792.85	312.366	301.919	800.651	767.209	373.891	675.198

Parameter	DCR	DCR	BL	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	47-48	47-48:1-2	2-5	5-8	8-11	11-13	13-17	17-20	20-23
Unit	m ohms	m ohms	m ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms
HighLimit	2000	2000	2000							
LowLimit				10	10	10	10	10	10	10
Average =	818.09	834.97	431.71	76.58	75.36	75.19	75.22	75.31	75.75	75.74
STD DEV =	8.58	14.36	13.72	0.98	0.92	0.85	0.90	0.79	0.79	0.96
Cpu	45.90	27.04	38.11							
Cpl				22.66	23.56	25.43	24.17	27.39	27.74	22.74
Cpk	45.90	27.04	38.11	22.66	23.56	25.43	24.17	27.39	27.74	22.74
DATA	-	-	-	-	-	-	-	-	-	-
1	823.707	838.982	432.698	73.963	73.081	73.308	72.847	73.849	74.243	73.847
2	818.328	832.866	417.989	75.642	74.391	74.21	74.344	75.117	74.855	74.735
3	822.094	838.6	439.687	75.455	73.988	74.046	74.433	74.621	75.396	75.077
4	829.434	899.682	489.419	75.526	74.881	74.475	75.137	74.811	75.26	75.08
5	817.528	835.595	434.527	76.39	75.546	75.539	74.878	74.747	74.615	74.25
6	800.573	838.933	441.164	76.187	74.676	74.556	73.796	73.964	74.797	74.738
7	825.491	844.226	442.809	75.153	73.351	73.595	74.037	73.851	74.764	74.874
8	808.195	825.673	426.938	75.644	74.83	74.318	74.787	75.514	74.841	74.313
9	805.629	816.796	422.314	77.354	75.806	75.343	74.993	74.185	75.204	75.219
10	826.069	836.849	430.72	75.537	74.407	74.823	74.78	75.37	75.734	75.483
11	824.243	844.706	440.449	75.375	74.176	74.151	75.135	74.972	75.967	75.603
12	826.277	844.23	437.031	76.469	75.396	75.695	75.355	74.784	74.866	74.09
13	831.015	843.298	443.022	76.009	74.619	74.901	74.803	75.875	76.059	75.837
14	816.269	833.38	433.712	75.733	74.99	74.825	75.59	75.517	76.101	75.766
15	813.907	830.508	432.583	77.411	76.639	75.955	75.301	74.79	75.377	75.406
16	817.545	844.007	422.853	76.961	75.263	74.308	74.26	74.804	75.392	75.989
17	805.461	817.253	422.014	75.372	74.146	74.417	75.941	75.422	75.837	75.997
18	820.76	841.089	438.765	76.913	75.816	76.011	76.966	75.83	76.119	75.141
19	817.195	829.186	425.843	77.849	76.381	75.497	74.615	74.876	75.781	76.501
20	812.043	825.813	417.415	76.2	75.652	75.3	75.75	75.785	76.562	76.453
21	816.768	824.97	424.751	77.789	77.074	76.545	75.956	75.262	75.342	75.371
22	834.269	847.133	446.593	76.228	75.13	75.484	76.045	76.195	76.836	76.475
23	807.576	816.198	418.061	76.359	74.739	74.363	73.782	75.074	75.923	75.767
24	831.742	844.295	436.171	77.425	75.474	74.776	74.541	75.398	75.984	76.784
25	810.156	826.576	425.704	77.572	76.294	75.184	74.571	74.753	75.557	75.987
26	815.325	827.545	424.46	77.828	75.953	75.211	74.872	74.466	74.564	75.044
27	823.907	834.881	433.307	77.096	75.274	75.104	75.379	76.143	76.535	76.461
28	826.116	834.153	428.304	76.918	75.133	74.918	75.021	75.387	76.074	76.788
29	812.024	829.054	428.399	75.799	74.986	74.492	76.059	77.195	78.225	78.926
30	832.942	860.718	461.337	77.958	76.497	75.969	75.798	75.437	75.528	76.028
31	807.056	818.792	409.488	77.943	76.389	75.907	75.255	75.276	76.007	76.287
32	819.83	827.88	430.624	78.241	76.42	76.176	75.598	74.719	75.57	76.73
33	822.097	838.033	430.925	76.095	75.886	76.642	76.488	76.236	76.206	75.676
34	806.803	823.248	417.101	77.034	75.62	76.198	76.476	76.894	77.149	77.202
35	805.847	822.435	417.842	77.138	76.282	76.59	76.728	76.519	76.427	75.818
36	820.208	833.756	422.928	76.478	75.784	75.908	75.41	75.475	75.659	75.396
37	820.619	834.507	434.464	77.293	76.235	75.852	75.889	76.198	76.785	76.521
38	812.429	822.98	422.741	77.685	76.519	76.48	76.888	76.503	76.302	76.588

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OCL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-26	26-29	29-32	32-35	35-38	38-41	41-44	44-47	47-2	1-3
Unit	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	uH
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	350
Average =	78.85	75.24	71.48	75.51	76.50	76.19	76.38	76.22	76.19	969.75
STD DEV =	1.17	0.83	0.68	0.99	1.13	1.02	1.07	0.97	0.97	63.27
Cpu										
Cpl	19.63	26.10	29.94	22.07	19.66	21.61	20.61	22.69	22.80	3.27
Cpk	19.63	26.10	29.94	22.07	19.66	21.61	20.61	22.69	22.80	3.27
DATA	-	-	-	-	-	-	-	-	-	-
1	76.799	74.297	69.998	74.105	74.79	75.11	75.591	75.631	76.422	944.033
2	77.619	73.613	69.878	73.996	74.982	74.754	75.259	75.281	76.472	992.739
3	78.5	75.187	71.034	74.506	75.157	75.103	75.342	75.766	76.09	954.064
4	80.254	75.242	70.942	74.256	75.412	75.489	75.883	75.707	75.083	735.309
5	76.6	73.093	70.719	75.178	76.578	75.898	75.241	74.466	74.155	957.237
6	78.101	74.666	71.087	74.702	75.232	74.937	74.196	74.514	75.117	900.369
7	77.971	74.037	70.892	74.559	74.397	74.504	74.566	75.433	75.533	977.013
8	79.157	74.623	71.081	73.914	75.426	75.11	75.789	75.558	76.032	949.791
9	77.513	75.135	71.68	76.001	76.709	75.966	75.03	75.042	74.978	976.103
10	78.653	75.043	71.097	74.79	76.163	75.902	76.399	75.5	74.673	969.204
11	77.471	73.975	70.173	74.129	75.437	75.421	76.565	75.673	75.544	986.681
12	77.06	74.109	70.63	75.817	77.878	76.434	77.08	76.517	74.933	1035.873
13	79.422	75.5	72.107	74.701	75.658	75.467	76.024	76.057	77.1	971.409
14	80.471	75.307	71.768	74.635	76.205	76.612	77.109	77.144	76.142	974.018
15	77.738	75.477	72.021	76.391	76.681	75.569	75.343	75.161	75.399	941.53
16	79.325	76.286	72.189	75.409	75.49	75.704	75.855	75.412	76.155	1043.932
17	78.374	75.416	71.944	75.031	75.739	75.803	76.666	76.415	75.308	962.553
18	78.793	74.731	71.402	76.002	77.369	77.843	78.575	78.498	77.816	993.023
19	79.431	75.79	72.044	76.206	76.604	76.125	75.853	76.287	77.101	1000.405
20	78.968	75.515	71.729	74.699	76.494	76.304	76.974	76.796	76.497	965.381
21	77.363	74.831	72.206	77.263	78.787	77.566	77.563	76.269	76.86	1048.278
22	79.45	75.439	70.85	75.088	76.521	77.02	77.34	77.926	76.712	1042.032
23	80.15	75.26	70.809	75.266	75.859	76.06	76.438	77.203	77.825	967.122
24	80.413	76.996	71.929	76.609	76.803	75.977	75.401	76.309	76.707	1012.348
25	78.617	75.461	72.481	76.203	77.155	76.228	75.529	74.864	75.567	1022.986
26	77.983	75.585	72.302	76.114	76.699	76.347	76.078	75.497	75.759	975.983
27	79.348	76.012	70.866	75.211	76.491	76.163	76.723	77.464	77.123	976.408
28	79.32	75.72	72.055	75.41	76.124	75.859	76.155	76.866	77.282	938.116
29	80.432	75.861	71.149	74.735	76.02	75.814	76.57	76.772	78.033	1012.523
30	78.38	75.111	72.077	77.206	78.772	77.459	77.285	75.691	75.822	927.718
31	78.703	75.675	72.008	76.991	77.961	77.026	76.993	75.824	75.854	1032.386
32	78.952	76.353	72.509	77.019	77.399	76.834	76.458	76.382	76.051	936.932
33	79.51	75.196	71.639	76.598	77.786	76.782	75.987	76.914	77.149	1010.647
34	79.983	76.17	71.424	75.453	76.946	76.645	76.829	76.377	75.839	985.373
35	79.381	75.486	71.283	76.057	76.943	77.239	77.116	76.309	74.869	985.502
36	77.589	74.048	71.894	76.981	77.866	78.129	78.23	77.498	76.358	1031.19
37	81.008	76.41	72.054	74.979	75.473	74.643	76.665	76.817	78.077	959.01
38	81.439	76.435	72.176	76.992	79.126	79.444	79.71	78.507	76.943	755.418

Parameter	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	4-6	7-9	10-12	13-15	16-18	19-21	22-24	1-3	46-48	4-6
Unit	uH	uH	uH	uH	uH	uH	uH	*1	*1	*1
HighLimit								1.02	1.02	1.02
LowLimit	350	350	350	350	350	350	350	0.98	0.98	0.98
Average =	1,001.39	916.08	986.42	925.51	993.03	941.82	986.88	1.00	1.00	1.00
STD DEV =	34.99	45.39	36.66	40.54	45.32	48.93	40.68	0.00	0.00	0.00
Cpu								41.59	39.62	41.59
Cpl	6.21	4.16	5.79	4.73	4.73	4.03	5.22	41.70	43.68	41.70
Cpk	6.21	4.16	5.79	4.73	4.73	4.03	5.22	41.59	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	986.719	957.125	997.5	855.297	1008.948	926.087	1011.387	1	1.001	1
2	941.622	959.696	1037.706	930.214	1066.274	1026.34	951.72	1	1.001	1
3	1043.26	919.969	937.474	960.238	993.346	925.587	974.183	1	1.001	1
4	983.646	835.466	956.636	961.191	1039.418	955.069	918.96	1	1	1
5	998.627	936.276	963.132	960.508	901.44	941.858	1047.548	1	1.001	1
6	1011.594	836.344	990.528	965.755	853.172	914.968	943.493	1	1.001	1
7	1017.081	886.124	1057.75	893.123	1050.406	1015.241	986.334	1	1.001	1
8	947.526	957.386	979.316	881.258	1043.958	962.888	927.711	1	1.001	1
9	1018.215	947.379	950.722	915.803	907.971	944.175	966.624	1.001	1.001	1
10	917.464	951.917	960.353	868.935	1036.974	806.251	955.99	1	1.001	1
11	1027.629	937.549	1008.768	888.12	1033.695	973.952	1019.174	1	1.001	1
12	1032.222	930.473	963.674	930.015	993.909	969.045	921.951	1	1.001	1
13	956.702	947.811	998.677	968.175	997.934	955.958	1011.242	1	1.001	1.001
14	968.83	973.553	988.244	925.904	981.494	958.647	1036.52	1	1.001	1
15	1016.781	805.244	1009.997	970.75	1029.649	910.162	992.076	1	1.001	1
16	1036.141	939.194	995.63	892.303	1025.336	941.164	989.752	1	1.001	1
17	993.263	945.108	1018.863	911.321	1007.767	940.578	1015.281	1	1.001	1
18	984.793	915.254	1005.251	950.413	994.142	956.03	1015.644	1	1.001	1
19	1012.795	934.742	1044.416	918.556	976.396	934.688	966.585	1	1.001	1
20	1010.859	995.469	939.573	979.615	991.018	939.049	969.697	1	1.001	1
21	953.236	920.798	917.681	912.773	992.034	990.241	1010.992	1	1.001	1
22	989.249	909.267	989.558	925.7	964.851	961.952	979.16	1	1.001	1
23	1033.72	914.477	1054.911	949.707	929.826	972.375	1051.735	1	1.001	1
24	1056.893	814.214	988.51	916.846	1006.972	973.568	1032.801	1	1.001	1
25	1041.49	908.96	984.736	890.847	1012.958	944.692	931.643	1	1.001	1
26	1037.735	938.232	917.753	905.398	939.26	978.196	1019.436	1	1.001	1
27	1054.766	926.23	970.016	906.547	1071.95	852.061	944.908	1	1.001	1
28	969.844	832.972	993.328	1002.609	1026.461	890.26	1050.21	1	1.001	1
29	996.269	917.688	991.466	915.708	985.051	850.809	995.379	1	1.001	1
30	1001.92	896.597	927.993	989.344	1027.373	989.78	997.654	1	1.001	1
31	1024.934	911.47	1049.811	804.067	937.973	958.878	989.929	1	1.001	1
32	1015.199	875.438	914.09	917.601	1012.489	958.546	1010.566	1	1.001	1
33	1007.805	869.831	995.037	971.271	976.787	978.409	1000.461	1	1.001	1
34	950.099	905.257	973.577	872.589	978.076	976.156	928.919	1	1.001	1
35	950.013	959.127	998.63	920.139	951.721	919.258	1015.679	1	1.001	1
36	1045.359	961.546	1007.577	975.794	989.469	967.3	1007.032	1	1.001	1
37	1039.945	968.655	1009.341	917.764	1002.116	939.254	882.652	1	1.001	1
38	978.64	868.37	995.803	947.296	996.689	789.774	1030.468	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	45-43	7-9	40-42	10-12	39-37	13-15	34-36	16-18	33-31	19-21
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	28.44	41.59	39.62	29.78	14.58	41.59	39.62	41.59	29.78	41.59
Cpl	31.27	41.70	43.68	29.93	15.70	41.70	43.68	41.70	29.93	41.70
Cpk	28.44	41.59	39.62	29.78	14.58	41.59	39.62	41.59	29.78	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	1	1	1.001	1	1	1
2	1.001	1	1.001	1	1.001	1	1.001	1	1	1
3	1.001	1	1.001	1	1	1	1.001	1	1.001	1
4	1	1	1.001	1	1	1	1.001	1	1	1
5	1.001	1	1.001	1	1	1	1.001	1	1	1
6	1.001	1	1.001	1	1	1	1.001	1	1	1
7	1.001	1.001	1.001	1.001	1.001	1	1.001	1	1.001	1
8	1.001	1	1.001	1	1.001	1	1.001	1	1	1
9	1.001	1	1.001	1	1.001	1	1.001	1	1	1
10	1.001	1	1.001	1	1.001	1	1.001	1	1	1
11	1.001	1	1	1	1.001	1	1.001	1	1	1
12	1.001	1	1.001	1	1	1	1.001	1.001	1	1
13	1.001	1	1.001	1	1	1	1.001	1	1	1
14	1	1	1.001	1	1	1	1.001	1	1	1
15	1.001	1	1.001	1	1	1	1.001	1	1	1
16	1.001	1	1.001	1	1	1.001	1.001	1	1	1
17	1.001	1	1.001	1.001	1.001	1	1.001	1	1	1.001
18	1.001	1	1.001	1	1.001	1	1.001	1	1	1
19	1.001	1	1.001	1	1.001	1	1	1	1	1
20	1.001	1	1.001	1	1.001	1	1.001	1	1	1
21	1.001	1	1.001	1	1.001	1	1.001	1	1	1
22	1.001	1	1.001	1	1.001	1	1.001	1	1	1
23	1.001	1	1.001	1	1.001	1	1.001	1	1	1
24	1.001	1	1.001	1	1.001	1	1.001	1	1	1
25	1.001	1	1.001	1	1.001	1	1.001	1	1	1
26	1.001	1	1.001	1	1.001	1	1.001	1	1	1
27	1.001	1	1.001	1	1.001	1	1.001	1	1	1
28	1.001	1	1.001	1	1.001	1	1.001	1	1	1
29	1.001	1	1.001	1	1.001	1	1.001	1	1	1
30	1.001	1	1.001	1	1.001	1	1.001	1	1	1
31	1.001	1	1.001	1	1.001	1	1.001	1	1	1
32	1.001	1	1.001	1	1.001	1	1.001	1	1	1
33	1.001	1	1.001	1	1.001	1	1.001	1	1	1
34	1.001	1	1.001	1	1.001	1	1.001	1	1	1
35	1.001	1	1.001	1	1.001	1	1.001	1	1	1
36	1.001	1	1.001	1	1.001	1	1.001	1	1	1
37	1.001	1	1.001	1	1.001	1	1.001	1	1	1
38	1.001	1	1.001	1	1.001	1	1.001	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	28-30	22-24	27-25	1-2	2-3	4-5	5-6	7-8	8-9	10-11
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	39.62	41.59	39.62	41.70	31.27	41.70	14.83	29.93	41.70	41.70
Cpl	43.68	41.70	43.68	41.59	28.44	41.59	13.85	29.78	41.59	41.59
Cpk	39.62	41.59	39.62	41.59	28.44	41.59	13.85	29.78	41.59	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	0.999	1	0.999	1	1	1
2	1.001	1	1.001	1	0.999	1	0.999	1	1	1
3	1.001	1	1.001	1	0.999	1	1	1	1	1
4	1.001	1	1.001	1	1	1	0.999	1	1	1
5	1.001	1	1.001	1	0.999	1	0.999	1	1	1
6	1.001	1	1.001	1	0.999	1	0.999	1	1	1
7	1.001	1	1.001	1	0.999	1	0.999	1	1	1
8	1.001	1	1.001	1	0.999	1	1	0.999	1	1
9	1.001	1.001	1.001	0.999	0.999	1	0.999	1	1	0.999
10	1.001	1	1.001	1	0.999	1	1	1	1	1
11	1.001	1	1.001	1	0.999	1	0.999	1	1	1
12	1.001	1	1.001	1	0.999	1	1	1	1	1
13	1.001	1	1.001	1	0.999	1	0.999	1	0.999	1
14	1.001	1	1.001	1	0.999	1	1	1	1	1
15	1	1	1.001	1	0.999	1	0.999	1	1	1
16	1.001	1	1	1	0.999	1	1	1	1	1
17	1.001	1	1.001	1	0.999	1	0.999	0.999	1	1
18	1.001	1	1.001	1	0.999	1	0.999	1	1	1
19	1.001	1	1.001	1	0.999	0.999	0.999	1	1	1
20	1.001	1	1.001	1	0.999	1	0.999	1	1	1
21	1.001	1	1.001	1	0.999	1	0.999	1	1	1
22	1.001	1	1.001	1	0.999	1	0.999	1	1	1
23	1.001	1	1.001	1	0.999	1	0.999	1	1	1
24	1.001	1	1.001	1	0.999	1	0.999	1	1	1
25	1.001	1	1.001	1	0.999	1	0.999	1	1	1
26	1.001	1	1.001	1	0.999	1	0.999	1	1	1
27	1.001	1	1.001	1	0.999	1	0.999	1	1	1
28	1.001	1	1.001	1	0.999	1	1	1	1	1
29	1.001	1	1.001	1	0.999	1	1	1	1	1
30	1.001	1	1.001	1	0.999	1	0.999	1	1	1
31	1.001	1	1.001	1	0.999	1	0.999	1	1	1
32	1.001	1	1.001	1	0.999	1	0.999	1	1	1
33	1.001	1	1.001	1	0.999	1	1	1	1	1
34	1.001	1	1.001	1	0.999	1	0.999	1	1	1
35	1.001	1	1.001	1	0.999	1	1	1	1	1
36	1.001	1	1.001	1	0.999	1	0.999	1	1	1
37	1.001	1	1.001	1	0.999	1	1	1	1	1
38	1.001	1	1.001	1	1	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-12	13-14	14-15	16-17	17-18	19-20	20-21	22-23	23-24	25-26
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	41.70	41.70	43.68	41.70	19.85	41.70	29.93	41.70	41.70	41.70
Cpl	41.59	41.59	39.62	41.59	19.59	41.59	29.78	41.59	41.59	41.59
Cpk	41.59	41.59	39.62	41.59	19.59	41.59	29.78	41.59	41.59	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	0.999	1	1	1	1	1	1	1
2	1	1	0.999	1	1	1	1	1	1	1
3	1	1	0.999	1	1	1	1	1	1	1
4	1	1	0.999	1	1	1	1	1	1	1
5	1	1	0.999	1	1	1	1	1	1	1
6	1	1	0.999	1	1	1	1	1	1	1
7	1	1	0.999	1	1	1	1	1	1	1
8	1	1	0.999	1	1	1	1	1	1	1
9	1	0.999	0.999	1	1	1	0.999	1	1	1
10	1	1	0.999	1	1	1	1	1	1	1
11	1	1	0.999	1	1	1	1	1	1	1
12	1	1	0.999	1	1	0.999	1	1	0.999	1
13	1	1	0.999	1	1	1	1	1	1	1
14	1	1	0.999	1	1	1	1	1	1	1
15	0.999	1	0.999	1	0.999	1	1	1	1	1
16	1	1	0.999	1	0.999	1	1	1	1	1
17	1	1	0.999	0.999	1	1	1	0.999	1	1
18	1	1	0.999	1	0.999	1	1	1	1	0.999
19	1	1	0.999	1	1	1	1	1	1	1
20	1	1	0.999	1	1	1	0.999	1	1	1
21	1	1	0.999	1	1	1	1	1	1	1
22	1	1	0.999	1	1	1	1	1	1	1
23	1	1	0.999	1	1	1	1	1	1	1
24	1	1	0.999	1	1	1	1	1	1	1
25	1	1	0.999	1	0.999	1	1	1	1	1
26	1	1	0.999	1	1	1	1	1	1	1
27	1	1	0.999	1	1	1	1	1	1	1
28	1	1	0.999	1	1	1	1	1	1	1
29	1	1	0.999	1	1	1	1	1	1	1
30	1	1	0.999	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1
32	1	1	0.999	1	1	1	1	1	1	1
33	1	1	0.999	1	1	1	1	1	1	1
34	1	1	0.999	1	1	1	1	1	1	1
35	1	1	0.999	1	0.999	1	1	1	1	1
36	1	1	0.999	1	1	1	1	1	1	1
37	1	1	0.999	1	1	1	1	1	1	1
38	1	1	0.999	1	1	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	26-27	28-29	29-30	31-32	32-33	34-35	35-36	37-38	38-39	40-41
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	19.97	41.70	41.70	41.70	24.63	41.70	43.68	41.70	15.60	41.70
Cpl	16.60	41.59	41.59	41.59	24.82	41.59	39.62	41.59	15.35	41.59
Cpk	16.60	41.59	41.59	41.59	24.63	41.59	39.62	41.59	15.35	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	0.998	1	1	1	1	1	0.999	1	1	1
2	0.998	1	1	1	1	1	0.999	1	1	1
3	0.998	1	1	1	1	1	0.999	1	1	1
4	0.998	1	1	1	1	1	0.999	1	1	1
5	0.998	1	1	1	1	1	0.999	1	1	1
6	0.998	1	1	1	1.001	1	0.999	1	1	1
7	0.998	1	1	1	1	1	0.999	1	1	1
8	0.999	1	1	1	1	1	0.999	1	1	0.999
9	0.998	1	1	1	1.001	0.999	0.999	1	1	1
10	0.998	1	1	1	1	1	0.999	1	1	1
11	0.998	1	1	0.999	1	1	0.999	1	1	1
12	0.999	0.999	1	1	1	1	0.999	1	1	1
13	0.998	1	1	1	1	1	0.999	1	1	1
14	0.998	1	1	1	1	1	0.999	1	1	1
15	0.998	1	1	1	1	1	0.999	1	1	1
16	0.998	1	1	1	1	1	1	1	0.999	1
17	0.998	1	0.999	1	1	1	0.999	1	0.999	1
18	0.998	1	1	1	1	1	0.999	0.999	1	1
19	0.998	1	1	1	1	1	0.999	1	1	1
20	0.999	1	1	1	1	1	0.999	1	1	1
21	0.998	1	1	1	1	1	0.999	1	1.001	1
22	0.998	1	1	1	1.001	1	0.999	1	1	1
23	0.998	1	1	1	1	1	0.999	1	0.999	1
24	0.998	1	1	1	1	1	0.999	1	0.999	1
25	0.999	1	1	1	1	1	0.999	1	1	1
26	0.998	1	1	1	1	1	0.999	1	1	1
27	0.998	1	1	1	1	1	0.999	1	1	1
28	0.998	1	1	1	1	1	0.999	1	0.999	1
29	0.998	1	1	1	1	1	0.999	1	1	1
30	0.998	1	1	1	1	1	0.999	1	1	1
31	0.998	1	1	1	1	1	0.999	1	0.999	1
32	0.998	1	1	1	1	1	0.999	1	1	1
33	0.998	1	1	1	1	1	0.999	1	1	1
34	0.999	1	1	1	1	1	0.999	1	1	1
35	0.998	1	1	1	1	1	0.999	1	0.999	1
36	0.998	1	1	1	1	1	0.999	1	1	1
37	0.999	1	1	1	1	1	0.999	1	1	1
38	0.998	1	1	1	1	1	0.999	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1	CH1 IL-1	H1 IL-1 Phas
Condition:	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins	41-42	43-44	44-45	46-47	47-48					
Unit	*1	*1	*1	*1	*1	dB	dB	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02					
LowLimit	0.98	0.98	0.98	0.98	0.98	-1	-0.8	-0.8	-1.6	-60
Average =	1.00	1.00	1.00	1.00	1.00	-0.12	-0.23	-0.26	-0.44	-28.29
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.05	1.24
Cpu	41.70	41.70	18.14	41.70	28.28					
Cpl	41.59	41.59	18.43	41.59	31.43	45.67	19.57	13.63	7.62	8.55
Cpk	41.59	41.59	18.14	41.59	28.28	45.67	19.57	13.63	7.62	8.55
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	1.001	-0.117	-0.229	-0.241	-0.389	-27.339
2	1	1	1	1	1.001	-0.114	-0.223	-0.248	-0.409	-27.847
3	1	1	1.001	1	1.001	-0.118	-0.218	-0.244	-0.406	-27.859
4	1	1	1	1	1.001	-0.127	-0.214	-0.25	-0.564	-31.27
5	1	1	1	1	1.001	-0.115	-0.218	-0.255	-0.413	-27.816
6	1	1	1	1	1.001	-0.126	-0.221	-0.261	-0.495	-29.677
7	1	1	1	1	1.001	-0.123	-0.232	-0.263	-0.401	-27.569
8	1	1	1	1	1.001	-0.12	-0.23	-0.255	-0.396	-27.214
9	1	1	1	1	1.001	-0.118	-0.23	-0.259	-0.419	-27.829
10	1	1	1	1	1.001	-0.123	-0.239	-0.27	-0.39	-26.434
11	1	1	1	1	1.001	-0.115	-0.233	-0.261	-0.395	-26.533
12	1	1	1	1	1.002	-0.12	-0.24	-0.257	-0.396	-26.836
13	1	0.999	1	1	1.001	-0.117	-0.217	-0.255	-0.393	-27.266
14	1	1	1	1	1.001	-0.123	-0.228	-0.257	-0.486	-29.279
15	1	1	1	1	1.001	-0.122	-0.231	-0.266	-0.493	-29.429
16	1	1	1	0.999	1.001	-0.114	-0.232	-0.273	-0.4	-26.715
17	1	1	1	1	1.001	-0.117	-0.229	-0.254	-0.384	-26.8
18	0.999	1	1	1	1.001	-0.122	-0.237	-0.248	-0.449	-29.249
19	1	1	1	1	1.001	-0.121	-0.229	-0.256	-0.471	-29.324
20	1	1	1	1	1.001	-0.113	-0.229	-0.26	-0.452	-28.712
21	1	1	1.001	1	1.001	-0.123	-0.228	-0.262	-0.39	-26.778
22	1	1	1	1	1.002	-0.121	-0.237	-0.261	-0.509	-29.841
23	1	1	1	1	1.001	-0.124	-0.228	-0.26	-0.569	-31.181
24	1	1	1	1	1.001	-0.126	-0.24	-0.257	-0.488	-29.37
25	1	1	1	1	1.001	-0.151	-0.267	-0.323	-0.462	-27.588
26	1	1	1	1	1.001	-0.119	-0.244	-0.282	-0.402	-27.529
27	1	1	1	1	1.001	-0.124	-0.227	-0.266	-0.404	-27.516
28	1	1	1.001	1	1.001	-0.119	-0.235	-0.264	-0.439	-28.566
29	1	1	1.001	1	1.001	-0.131	-0.245	-0.274	-0.429	-28.239
30	1	1	1	1	1.001	-0.123	-0.241	-0.267	-0.43	-28.562
31	1	1	1	1	1.001	-0.116	-0.238	-0.26	-0.472	-28.976
32	1	1	1	1	1.001	-0.126	-0.241	-0.268	-0.447	-28.833
33	1	1	1.001	1	1.001	-0.115	-0.222	-0.25	-0.541	-30.026
34	1	1	1	1	1.001	-0.122	-0.233	-0.268	-0.402	-27.695
35	1	1	1	1	1.001	-0.117	-0.242	-0.269	-0.404	-27.096
36	1	1	1	1	1.001	-0.124	-0.236	-0.266	-0.47	-28.832
37	1	1	1	1	1.001	-0.118	-0.223	-0.273	-0.413	-27.446
38	1	1	1.001	1	1.001	-0.124	-0.227	-0.258	-0.512	-29.857

Parameter	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	H1 IL-2 Phas	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	H1 IL-3 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.14	-0.25	-0.29	-0.49	-29.75	-0.14	-0.23	-0.26	-0.45	-26.64
STD DEV =	0.02	0.02	0.02	0.08	1.61	0.03	0.03	0.04	0.08	1.18
Cpu										
Cpl	16.71	10.12	6.93	4.72	6.26	10.26	6.52	4.44	5.10	9.44
Cpk	16.71	10.12	6.93	4.72	6.26	10.26	6.52	4.44	5.10	9.44
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.146	-0.228	-0.259	-0.461	-29.684	-0.126	-0.226	-0.253	-0.383	-26.124
2	-0.164	-0.278	-0.317	-0.456	-27.771	-0.137	-0.23	-0.249	-0.515	-28.186
3	-0.178	-0.286	-0.336	-0.477	-27.779	-0.128	-0.218	-0.239	-0.498	-28.187
4	-0.153	-0.25	-0.282	-0.533	-31.587	-0.159	-0.232	-0.257	-0.442	-25.804
5	-0.186	-0.3	-0.353	-0.501	-27.937	-0.197	-0.291	-0.347	-0.625	-28.503
6	-0.144	-0.24	-0.281	-0.432	-28.459	-0.248	-0.348	-0.437	-0.709	-28.31
7	-0.196	-0.296	-0.364	-0.513	-28.31	-0.153	-0.247	-0.279	-0.409	-25.484
8	-0.145	-0.248	-0.278	-0.423	-27.937	-0.151	-0.23	-0.247	-0.475	-27.956
9	-0.163	-0.264	-0.307	-0.573	-31.116	-0.121	-0.215	-0.242	-0.376	-25.556
10	-0.132	-0.241	-0.273	-0.423	-29.232	-0.132	-0.227	-0.261	-0.379	-24.952
11	-0.133	-0.237	-0.264	-0.443	-29.136	-0.148	-0.242	-0.264	-0.447	-26.671
12	-0.173	-0.284	-0.34	-0.62	-31.231	-0.115	-0.223	-0.237	-0.396	-25.504
13	-0.133	-0.232	-0.268	-0.417	-28.394	-0.124	-0.212	-0.236	-0.374	-25.395
14	-0.14	-0.249	-0.276	-0.479	-29.399	-0.149	-0.244	-0.274	-0.584	-28.947
15	-0.131	-0.24	-0.299	-0.761	-34.084	-0.118	-0.212	-0.24	-0.373	-25.104
16	-0.128	-0.248	-0.286	-0.422	-28.428	-0.12	-0.207	-0.228	-0.521	-28.882
17	-0.129	-0.236	-0.271	-0.44	-29.808	-0.117	-0.211	-0.228	-0.384	-26.138
18	-0.129	-0.239	-0.263	-0.443	-29.532	-0.163	-0.249	-0.282	-0.421	-25.01
19	-0.13	-0.238	-0.271	-0.487	-30.606	-0.214	-0.307	-0.353	-0.59	-27.938
20	-0.138	-0.254	-0.295	-0.447	-28.844	-0.154	-0.257	-0.274	-0.504	-27.35
21	-0.152	-0.265	-0.302	-0.457	-28.261	-0.127	-0.23	-0.251	-0.393	-25.386
22	-0.133	-0.244	-0.291	-0.441	-29.188	-0.123	-0.215	-0.24	-0.43	-27.138
23	-0.15	-0.277	-0.309	-0.465	-28.946	-0.114	-0.213	-0.236	-0.424	-26.734
24	-0.131	-0.242	-0.281	-0.435	-29.266	-0.164	-0.254	-0.283	-0.441	-26.775
25	-0.129	-0.244	-0.273	-0.419	-29.308	-0.126	-0.211	-0.255	-0.438	-26.605
26	-0.139	-0.25	-0.284	-0.462	-29.231	-0.136	-0.235	-0.266	-0.417	-26.363
27	-0.13	-0.241	-0.268	-0.439	-29.283	-0.118	-0.211	-0.217	-0.438	-28.226
28	-0.145	-0.26	-0.285	-0.556	-31.953	-0.125	-0.2	-0.224	-0.472	-27.389
29	-0.123	-0.242	-0.265	-0.436	-29.816	-0.158	-0.257	-0.295	-0.442	-25.112
30	-0.131	-0.254	-0.3	-0.498	-30.161	-0.122	-0.213	-0.236	-0.392	-26.446
31	-0.131	-0.236	-0.272	-0.448	-29.765	-0.129	-0.222	-0.256	-0.383	-25.786
32	-0.134	-0.244	-0.283	-0.56	-31.892	-0.134	-0.22	-0.248	-0.482	-27.703
33	-0.154	-0.257	-0.303	-0.474	-30.041	-0.124	-0.207	-0.235	-0.383	-25.579
34	-0.144	-0.268	-0.3	-0.443	-27.873	-0.118	-0.218	-0.236	-0.411	-27.279
35	-0.153	-0.262	-0.303	-0.466	-29.549	-0.118	-0.213	-0.236	-0.384	-25.855
36	-0.154	-0.259	-0.303	-0.627	-32.799	-0.134	-0.228	-0.266	-0.42	-26.177
37	-0.13	-0.238	-0.284	-0.466	-29.343	-0.138	-0.235	-0.27	-0.409	-25.498
38	-0.136	-0.228	-0.28	-0.711	-34.373	-0.141	-0.225	-0.253	-0.418	-26.369

Parameter	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	H1 IL-4 Phas	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	H1 IL-5 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.12	-0.21	-0.25	-0.47	-29.54	-0.12	-0.21	-0.24	-0.39	-26.98
STD DEV =	0.00	0.01	0.01	0.06	1.28	0.00	0.01	0.01	0.09	1.73
Cpu										
Cpl	84.64	28.94	21.30	6.57	7.94	59.15	25.00	21.55	4.59	6.37
Cpk	84.64	28.94	21.30	6.57	7.94	59.15	25.00	21.55	4.59	6.37
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.115	-0.211	-0.242	-0.395	-28.044	-0.112	-0.193	-0.224	-0.635	-31.684
2	-0.12	-0.208	-0.244	-0.515	-30.264	-0.119	-0.217	-0.227	-0.325	-25.203
3	-0.118	-0.202	-0.244	-0.516	-30.228	-0.126	-0.213	-0.236	-0.332	-25.105
4	-0.124	-0.203	-0.26	-0.636	-32.695	-0.118	-0.207	-0.241	-0.613	-30.992
5	-0.124	-0.204	-0.248	-0.512	-30.248	-0.119	-0.21	-0.244	-0.32	-25.104
6	-0.12	-0.207	-0.233	-0.474	-29.944	-0.128	-0.205	-0.238	-0.349	-26.652
7	-0.123	-0.213	-0.245	-0.437	-28.779	-0.12	-0.205	-0.254	-0.681	-31.305
8	-0.117	-0.208	-0.243	-0.454	-29.869	-0.138	-0.221	-0.25	-0.363	-26.721
9	-0.119	-0.204	-0.257	-0.63	-32.109	-0.119	-0.213	-0.245	-0.343	-25.19
10	-0.118	-0.222	-0.255	-0.419	-28.572	-0.12	-0.207	-0.236	-0.337	-26.134
11	-0.122	-0.214	-0.251	-0.502	-30.654	-0.119	-0.208	-0.229	-0.352	-26.331
12	-0.116	-0.221	-0.262	-0.465	-29.977	-0.12	-0.221	-0.25	-0.395	-27.61
13	-0.114	-0.215	-0.256	-0.43	-28.683	-0.119	-0.221	-0.239	-0.355	-26.827
14	-0.117	-0.225	-0.253	-0.412	-28.156	-0.114	-0.201	-0.227	-0.393	-27.427
15	-0.116	-0.213	-0.25	-0.403	-27.877	-0.123	-0.233	-0.253	-0.371	-26.718
16	-0.118	-0.21	-0.259	-0.395	-27.51	-0.116	-0.204	-0.235	-0.346	-25.963
17	-0.118	-0.213	-0.247	-0.537	-31.723	-0.119	-0.205	-0.228	-0.368	-26.812
18	-0.118	-0.21	-0.252	-0.487	-29.864	-0.117	-0.218	-0.231	-0.364	-26.827
19	-0.117	-0.219	-0.25	-0.5	-30.373	-0.115	-0.203	-0.243	-0.362	-26.008
20	-0.123	-0.22	-0.256	-0.418	-28.955	-0.117	-0.214	-0.243	-0.581	-30.887
21	-0.114	-0.218	-0.248	-0.406	-27.928	-0.117	-0.207	-0.241	-0.332	-24.967
22	-0.113	-0.22	-0.253	-0.46	-30.039	-0.121	-0.203	-0.229	-0.518	-30.241
23	-0.12	-0.207	-0.236	-0.428	-28.198	-0.117	-0.21	-0.222	-0.375	-27.127
24	-0.119	-0.214	-0.26	-0.416	-27.897	-0.118	-0.221	-0.241	-0.358	-26.43
25	-0.112	-0.207	-0.237	-0.519	-30.452	-0.114	-0.213	-0.242	-0.369	-26.428
26	-0.12	-0.223	-0.252	-0.42	-28.879	-0.121	-0.212	-0.233	-0.383	-27.789
27	-0.116	-0.214	-0.252	-0.49	-30.479	-0.115	-0.201	-0.217	-0.36	-26.689
28	-0.117	-0.219	-0.26	-0.43	-28.963	-0.113	-0.21	-0.226	-0.381	-27.635
29	-0.117	-0.23	-0.269	-0.445	-29.637	-0.122	-0.217	-0.25	-0.348	-25.493
30	-0.115	-0.218	-0.269	-0.402	-28.074	-0.114	-0.218	-0.24	-0.356	-25.964
31	-0.116	-0.219	-0.25	-0.492	-29.869	-0.117	-0.214	-0.238	-0.376	-26.629
32	-0.121	-0.225	-0.27	-0.415	-28.32	-0.116	-0.225	-0.245	-0.343	-26.48
33	-0.12	-0.215	-0.247	-0.505	-30.75	-0.126	-0.212	-0.239	-0.373	-26.581
34	-0.12	-0.215	-0.255	-0.459	-30.002	-0.115	-0.218	-0.24	-0.334	-25.441
35	-0.119	-0.208	-0.241	-0.46	-30.008	-0.121	-0.213	-0.236	-0.35	-26.522
36	-0.125	-0.205	-0.252	-0.498	-30.749	-0.113	-0.202	-0.231	-0.361	-26.412
37	-0.108	-0.212	-0.244	-0.397	-27.283	-0.127	-0.204	-0.245	-0.359	-26.501
38	-0.12	-0.217	-0.255	-0.506	-30.625	-0.122	-0.208	-0.236	-0.367	-26.26

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6	CH1 IL-6	H1 IL-6 Phas	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	H1 IL-7 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.13	-0.23	-0.27	-0.44	-29.65	-0.13	-0.24	-0.29	-0.46	-27.16
STD DEV =	0.01	0.01	0.02	0.06	1.35	0.01	0.01	0.01	0.06	1.31
Cpu										
Cpl	33.49	15.23	11.49	6.67	7.48	44.60	18.43	13.89	6.15	8.38
Cpk	33.49	15.23	11.49	6.67	7.48	44.60	18.43	13.89	6.15	8.38
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.125	-0.218	-0.244	-0.372	-27.784	-0.139	-0.243	-0.28	-0.408	-26.2
2	-0.134	-0.227	-0.259	-0.413	-29.395	-0.125	-0.246	-0.304	-0.423	-26.3
3	-0.135	-0.226	-0.255	-0.411	-29.283	-0.136	-0.249	-0.307	-0.423	-26.128
4	-0.14	-0.227	-0.262	-0.385	-28.49	-0.13	-0.221	-0.273	-0.596	-30.162
5	-0.135	-0.22	-0.251	-0.42	-29.325	-0.13	-0.243	-0.29	-0.416	-26.154
6	-0.13	-0.222	-0.261	-0.443	-29.592	-0.128	-0.245	-0.301	-0.423	-26.055
7	-0.172	-0.279	-0.319	-0.467	-28.507	-0.129	-0.238	-0.276	-0.412	-26.218
8	-0.13	-0.233	-0.269	-0.416	-29.774	-0.126	-0.234	-0.268	-0.473	-28.452
9	-0.13	-0.234	-0.282	-0.399	-28.591	-0.126	-0.244	-0.287	-0.419	-25.732
10	-0.143	-0.245	-0.282	-0.415	-29.144	-0.135	-0.246	-0.286	-0.46	-27.784
11	-0.122	-0.24	-0.269	-0.402	-28.536	-0.124	-0.244	-0.279	-0.417	-26.513
12	-0.146	-0.245	-0.277	-0.46	-29.826	-0.147	-0.26	-0.302	-0.461	-25.711
13	-0.131	-0.224	-0.266	-0.591	-32.436	-0.148	-0.254	-0.316	-0.473	-27.657
14	-0.137	-0.234	-0.274	-0.424	-28.849	-0.139	-0.26	-0.299	-0.454	-27.178
15	-0.129	-0.233	-0.266	-0.437	-29.767	-0.129	-0.229	-0.282	-0.423	-26.73
16	-0.137	-0.223	-0.26	-0.404	-28.724	-0.132	-0.238	-0.302	-0.42	-25.973
17	-0.133	-0.226	-0.266	-0.43	-29.987	-0.125	-0.225	-0.268	-0.465	-28.305
18	-0.13	-0.229	-0.274	-0.428	-29.342	-0.124	-0.232	-0.268	-0.434	-27.269
19	-0.126	-0.216	-0.266	-0.521	-31.847	-0.118	-0.225	-0.28	-0.606	-30.108
20	-0.133	-0.226	-0.263	-0.499	-30.915	-0.126	-0.236	-0.276	-0.456	-27.108
21	-0.131	-0.235	-0.273	-0.38	-27.936	-0.124	-0.243	-0.301	-0.414	-25.52
22	-0.128	-0.23	-0.277	-0.652	-33.25	-0.13	-0.232	-0.273	-0.595	-29.807
23	-0.128	-0.236	-0.27	-0.404	-28.022	-0.124	-0.234	-0.278	-0.454	-27.042
24	-0.13	-0.236	-0.277	-0.407	-28.951	-0.125	-0.252	-0.293	-0.425	-26.138
25	-0.136	-0.245	-0.283	-0.459	-29.606	-0.117	-0.235	-0.278	-0.456	-27.208
26	-0.134	-0.217	-0.258	-0.48	-31.063	-0.125	-0.246	-0.289	-0.443	-27.325
27	-0.134	-0.219	-0.26	-0.547	-32.315	-0.127	-0.247	-0.292	-0.421	-26.403
28	-0.141	-0.239	-0.279	-0.48	-30.674	-0.126	-0.242	-0.287	-0.474	-27.7
29	-0.133	-0.255	-0.287	-0.422	-28.582	-0.13	-0.24	-0.291	-0.433	-27.07
30	-0.15	-0.256	-0.313	-0.44	-29.003	-0.125	-0.263	-0.305	-0.439	-26.461
31	-0.125	-0.229	-0.273	-0.395	-28.564	-0.126	-0.227	-0.288	-0.68	-30.483
32	-0.131	-0.239	-0.282	-0.465	-30.904	-0.126	-0.245	-0.291	-0.458	-27.452
33	-0.129	-0.227	-0.271	-0.407	-28.883	-0.123	-0.244	-0.29	-0.434	-26.207
34	-0.128	-0.232	-0.267	-0.516	-32.608	-0.125	-0.244	-0.29	-0.444	-27.072
35	-0.133	-0.231	-0.258	-0.421	-29.221	-0.121	-0.236	-0.294	-0.424	-25.83
36	-0.124	-0.221	-0.254	-0.404	-28.661	-0.127	-0.224	-0.273	-0.442	-27.117
37	-0.132	-0.244	-0.294	-0.423	-29.014	-0.124	-0.24	-0.298	-0.424	-26.13
38	-0.141	-0.245	-0.296	-0.448	-29.215	-0.125	-0.225	-0.268	-0.557	-29.294

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	H1 IL-8 Phas	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-50	-40	-33	-28	-50
LowLimit	-1	-0.8	-0.8	-1.6	-60					
Average =	-0.14	-0.26	-0.31	-0.50	-29.71	-90.08	-65.54	-58.54	-53.16	-92.16
STD DEV =	0.02	0.02	0.02	0.06	1.19	4.68	4.61	4.05	3.78	7.17
Cpu						2.86	1.85	2.10	2.22	1.96
Cpl	16.48	10.36	7.16	6.54	8.47					
Cpk	16.48	10.36	7.16	6.54	8.47	2.86	1.85	2.10	2.22	1.96
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.194	-0.312	-0.378	-0.561	-29.215	-97.749	-73.057	-64.148	-52.086	-103.148
2	-0.142	-0.249	-0.296	-0.452	-29.143	-86.95	-67.223	-60.144	-57.696	-111.725
3	-0.172	-0.283	-0.34	-0.519	-29.252	-97.416	-66.089	-60.695	-57.71	-85.566
4	-0.188	-0.312	-0.382	-0.606	-31.106	-84.919	-59.056	-51.834	-44.105	-87.851
5	-0.152	-0.259	-0.3	-0.467	-29.024	-96.691	-66.849	-60.54	-58.141	-95.767
6	-0.164	-0.278	-0.321	-0.528	-29.9	-86.874	-68.212	-62.3	-51.832	-94.196
7	-0.161	-0.275	-0.328	-0.491	-29.609	-92.463	-60.886	-54.766	-51.66	-83.581
8	-0.13	-0.252	-0.301	-0.432	-29.051	-89.609	-63.853	-57.728	-53.75	-90.606
9	-0.133	-0.261	-0.316	-0.445	-28.418	-86.952	-67.758	-58.329	-49.769	-97.451
10	-0.138	-0.257	-0.306	-0.48	-29.516	-88.037	-64.16	-57.283	-54.142	-97.122
11	-0.127	-0.239	-0.271	-0.559	-31.398	-84.127	-64.87	-57.689	-53.644	-85.673
12	-0.131	-0.251	-0.309	-0.444	-27.989	-79.451	-60.933	-54.949	-51.674	-86.877
13	-0.135	-0.27	-0.311	-0.469	-29.454	-92.572	-61.334	-55.313	-52.122	-93.912
14	-0.125	-0.254	-0.299	-0.436	-28.597	-92.282	-75.493	-66.786	-55.077	-83.929
15	-0.128	-0.255	-0.3	-0.462	-28.839	-86.11	-57.749	-49.57	-42.268	-89.76
16	-0.125	-0.247	-0.3	-0.453	-28.416	-84.437	-60.98	-56.382	-53.263	-91.167
17	-0.126	-0.241	-0.294	-0.475	-29.779	-93.917	-63.349	-57.02	-56.212	-95.257
18	-0.118	-0.241	-0.283	-0.436	-28.715	-89.356	-71.442	-66.704	-57.198	-90.29
19	-0.137	-0.252	-0.293	-0.451	-29.268	-89.454	-78.677	-63.379	-51.418	-86.312
20	-0.117	-0.237	-0.287	-0.58	-31.713	-98.995	-66.697	-59.968	-57.897	-87.418
21	-0.136	-0.26	-0.314	-0.466	-28.762	-89.684	-62.494	-56.598	-54.32	-94.718
22	-0.142	-0.271	-0.328	-0.47	-28.982	-92.587	-72.057	-67.993	-60.768	-82.951
23	-0.131	-0.263	-0.318	-0.46	-29.267	-89.631	-69.663	-63.625	-53.175	-109.236
24	-0.134	-0.255	-0.321	-0.463	-29.059	-91.995	-62.435	-56.679	-55.044	-97.599
25	-0.153	-0.271	-0.324	-0.509	-29.232	-84.377	-60.118	-54.148	-51.52	-86.059
26	-0.126	-0.249	-0.281	-0.447	-28.596	-98.098	-64.622	-58.387	-55.441	-93.327
27	-0.133	-0.271	-0.303	-0.466	-29.741	-95.167	-64.311	-57.008	-54.813	-84.856
28	-0.132	-0.244	-0.3	-0.643	-32.778	-84.825	-72.424	-62.296	-49.968	-87.763
29	-0.127	-0.254	-0.303	-0.472	-29.633	-93.515	-64.164	-59.077	-55.486	-89.986
30	-0.131	-0.262	-0.307	-0.461	-28.618	-83.475	-66.184	-59.008	-55.265	-87.602
31	-0.141	-0.259	-0.314	-0.517	-30.652	-94.576	-60.231	-54.427	-52.194	-93.099
32	-0.119	-0.242	-0.283	-0.492	-29.862	-87.88	-67.102	-56.662	-47.197	-82.776
33	-0.125	-0.252	-0.292	-0.48	-29.672	-84.592	-61.449	-55.281	-55.82	-81.938
34	-0.131	-0.247	-0.287	-0.553	-31.511	-88.589	-63.37	-57.235	-53.698	-104.103
35	-0.134	-0.265	-0.307	-0.491	-29.963	-90.119	-63.864	-57.13	-52.993	-102.194
36	-0.126	-0.241	-0.297	-0.498	-29.663	-95.087	-68.596	-62.755	-53.411	-94.982
37	-0.124	-0.235	-0.281	-0.663	-33.307	-88.213	-62.923	-55.79	-52.036	-97.462
38	-0.13	-0.238	-0.281	-0.55	-31.321	-92.269	-65.94	-54.763	-45.319	-93.916

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-50	-40	-33	-28	-50	-40	-33
LowLimit										
Average =	-64.91	-58.57	-52.44	-91.84	-67.73	-60.62	-54.26	-89.36	-68.04	-60.71
STD DEV =	6.11	5.19	5.72	6.73	5.60	4.97	5.58	4.84	5.72	5.99
Cpu	1.36	1.64	1.42	2.07	1.65	1.85	1.57	2.71	1.63	1.54
Cpl										
Cpk	1.36	1.64	1.42	2.07	1.65	1.85	1.57	2.71	1.63	1.54
DATA	-	-	-	-	-	-	-	-	-	-
1	-71.863	-57.332	-61.682	-90.958	-65.294	-59.318	-57.848	-84.74	-64.042	-57.783
2	-62.605	-54.746	-52.362	-80.021	-57.474	-50.432	-43.633	-92.889	-73.717	-63.013
3	-56.473	-53.343	-51.986	-86.555	-57.954	-50.609	-43.677	-85.493	-65.563	-54.811
4	-59.15	-65.533	-50.002	-89.268	-66.365	-56.609	-46.974	-77.615	-69.779	-63.962
5	-68.737	-54.077	-52.166	-80.17	-57.435	-50.928	-43.739	-95.258	-73.787	-66.607
6	-68.66	-59.038	-57.416	-87.522	-72.954	-61.167	-50.743	-99.556	-58.885	-68.256
7	-63.902	-64.706	-56.031	-90.102	-63.688	-58.592	-56.886	-85.315	-64.404	-60.511
8	-56.502	-54.883	-46.874	-93.2	-70.244	-67.909	-64.486	-92.881	-58.322	-69.272
9	-67.915	-63.791	-55.566	-84.736	-68.452	-58.79	-48.607	-86.852	-55.047	-64.484
10	-57.564	-66.955	-64.109	-93.21	-66.807	-61.002	-57.831	-91.702	-65.47	-62.107
11	-68.217	-52.865	-49.241	-95.498	-75.768	-64.552	-53.277	-85.881	-66.495	-64.37
12	-60.031	-52.747	-51.418	-92.863	-72.973	-63.673	-51.572	-93.538	-75.567	-50.759
13	-58.209	-61.338	-56.4	-94.723	-66.299	-60.624	-56.66	-86.773	-62.387	-52.152
14	-74.116	-59.495	-53.523	-101.273	-67.582	-62.152	-54.196	-89.317	-71.668	-68.835
15	-70.373	-56.176	-50.017	-92.693	-67.113	-62.438	-59.401	-85.247	-70.14	-54.508
16	-59.872	-66.739	-47.976	-96.166	-73.527	-66.553	-67.147	-87.235	-70.671	-64.659
17	-63.697	-62.684	-55.513	-86.925	-64.459	-58.457	-54.902	-90.304	-71.803	-51.18
18	-59.352	-57.167	-55.715	-92.575	-71.763	-62.679	-54.932	-91.089	-74.423	-66.299
19	-74.286	-63.863	-42.907	-111.726	-58.552	-51.623	-44.324	-88.391	-55.503	-61.956
20	-73.366	-50.453	-47.53	-97.044	-78.869	-69.05	-55.181	-85.644	-75.179	-57.59
21	-72.525	-65.079	-57.342	-96.63	-64.327	-58.932	-55.566	-86.289	-72.989	-61.264
22	-67.947	-54.683	-45.693	-87.087	-64.931	-58.035	-51.917	-80.773	-68.58	-64.442
23	-57.327	-54.017	-46.073	-100.739	-69.625	-61.826	-51.235	-88.184	-74.383	-66.479
24	-56.288	-59.491	-60.633	-92.983	-74.352	-67.121	-58.147	-91.156	-71.609	-52.801
25	-64.893	-60.553	-52.529	-94.446	-69.21	-59.306	-48.697	-102.946	-68.634	-58.839
26	-63.262	-54.321	-52.996	-82.946	-60.065	-54.106	-52.06	-94.272	-74.831	-54.962
27	-71.536	-55.976	-45.235	-86.837	-68.817	-59.911	-49.533	-89.731	-66.769	-69.855
28	-63.298	-61.809	-41.941	-102.192	-76.698	-69.43	-55.406	-87.806	-71.475	-55.338
29	-55.944	-51.525	-59.393	-82.484	-62.86	-56.934	-54.56	-93.098	-64.067	-54.543
30	-73.225	-49.92	-54.925	-98.725	-69.652	-65.963	-60.816	-94.88	-59.957	-69.074
31	-71.28	-64.881	-56.802	-89.892	-62.045	-56.205	-53.726	-81.997	-72.793	-57.889
32	-62.209	-63.035	-38.248	-85.727	-70.122	-63.828	-63.693	-89.193	-59.471	-53.71
33	-58.946	-64.63	-45.705	-86.117	-62.963	-58.321	-58.416	-85.013	-71.95	-67.859
34	-75.018	-51.668	-54.505	-89.715	-71.581	-65.528	-59.204	-88.722	-68.564	-60.525
35	-65.971	-63.783	-60.195	-90.387	-65.385	-60.938	-56.691	-93.908	-72.878	-68.697
36	-56.752	-54.749	-50.682	-85.222	-73.203	-61.052	-50.733	-91.709	-68.583	-62.598
37	-70.787	-52.84	-54.818	-98.433	-65.972	-60.489	-57.639	-89.261	-62.429	-51.285
38	-64.437	-64.856	-56.437	-102.244	-78.214	-68.341	-57.687	-91.065	-72.591	-53.551

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-28	-50	-40	-33	-28	-50	-40	-33	-28	-50
LowLimit										
Average =	-51.81	-89.88	-64.05	-57.73	-54.57	-89.20	-65.88	-61.52	-50.84	-92.98
STD DEV =	4.74	4.38	5.09	4.46	5.14	5.72	5.31	5.92	5.59	6.61
Cpu	1.68	3.04	1.58	1.85	1.72	2.28	1.62	1.61	1.36	2.17
Cpl										
Cpk	1.68	3.04	1.58	1.85	1.72	2.28	1.62	1.61	1.36	2.17
DATA	-	-	-	-	-	-	-	-	-	-
1	-44.027	-86.971	-69.487	-63.548	-68.841	-93.31	-68.618	-51.072	-56.898	-85.709
2	-55.612	-89.234	-63.969	-58.237	-54.839	-92.305	-71.82	-50.998	-43.222	-103.14
3	-53.846	-93.219	-64.01	-58.766	-54.842	-90.136	-62.62	-56.983	-46.902	-88.772
4	-47.977	-89.611	-69.098	-62.326	-58.978	-90.845	-64.012	-60.868	-51.53	-93.092
5	-51.904	-88.723	-64.039	-58.053	-54.916	-86.921	-69.78	-68.079	-46.254	-96.692
6	-55.998	-88.768	-77.022	-62.839	-50.651	-87.565	-62.404	-69.929	-54.273	-90.108
7	-49.009	-90.832	-74.804	-69.2	-65.575	-86.313	-67.155	-68.017	-43.672	-90.209
8	-44.88	-93.556	-61.934	-55.349	-52.855	-87.59	-65.532	-53.158	-52.007	-88.98
9	-56.38	-81.844	-58.864	-52.709	-50.484	-91.012	-74.074	-63.016	-43.941	-95.957
10	-55.222	-89.061	-60.929	-54.663	-52.643	-95.231	-71.875	-69.762	-42.921	-99.904
11	-55.24	-93	-64.588	-57.801	-55.439	-93.928	-69.068	-51.354	-44.827	-102.245
12	-48.949	-91.798	-73.268	-64.979	-55.287	-93.912	-59.876	-58.952	-59.699	-85.004
13	-44.179	-99.57	-63.536	-58.136	-55.03	-92.85	-65.16	-69.079	-54.571	-98.421
14	-56.297	-97.768	-65.721	-59.997	-60.218	-84.067	-58.266	-55.922	-49.331	-91.167
15	-52.605	-87.388	-59.638	-52.886	-50.483	-93.098	-63.014	-56.562	-58.372	-84.742
16	-57.505	-87.354	-60.296	-54.888	-52.643	-102.244	-58.773	-53.011	-55.421	-99.433
17	-59.091	-82.429	-57.752	-51.994	-49.739	-83.177	-58.034	-66.793	-55.781	-84.131
18	-48.404	-84.91	-61.986	-56.179	-55.737	-93.601	-67.058	-65.943	-47.61	-108.262
19	-44.785	-85.418	-61.51	-55.798	-54.393	-80.768	-67.137	-61.374	-57.216	-93.606
20	-53.102	-93.541	-58.248	-51.443	-44.311	-80.86	-69.423	-67.418	-56.527	-85.005
21	-47.235	-91.174	-61.358	-55.84	-54.318	-104.378	-69.399	-64.705	-45.19	-98.601
22	-50.118	-80.561	-49.604	-42.766	-36.51	-74.074	-61.507	-69.632	-59.748	-92.08
23	-56.943	-89.936	-62.131	-56.522	-55.005	-90.839	-70.507	-63.422	-55.143	-96.678
24	-51.005	-90.142	-63.868	-58.326	-56.331	-88.074	-67.477	-66.759	-44.271	-86.201
25	-59.083	-94.609	-64.04	-58.765	-58.368	-84.981	-64.097	-61.43	-58.755	-88.974
26	-50.076	-94.04	-64.336	-59.662	-59.094	-90.096	-59.99	-59.19	-52.501	-105.145
27	-55.567	-88.404	-69.628	-58.922	-49.359	-88.031	-72.902	-67.04	-42.468	-85.288
28	-57.74	-83.696	-73.906	-64.052	-54.173	-84.076	-60.437	-62.008	-42.772	-106.216
29	-59.638	-93.012	-64.181	-58.044	-55.15	-86.883	-62.66	-69.222	-55.932	-90.303
30	-47.728	-89.034	-60.815	-55.256	-52.74	-91.383	-74.813	-51.695	-56.799	-93.654
31	-48.312	-87.185	-64.819	-58.916	-56.64	-96.435	-68.975	-58.17	-52.458	-93.209
32	-58.745	-83.66	-62.459	-58.995	-57.4	-84.511	-69.336	-57.545	-54.096	-90.839
33	-52.389	-91.586	-58.759	-52.564	-50.784	-86.894	-72.112	-62.04	-45.144	-88.979
34	-44.194	-88.657	-66.311	-62.017	-56.94	-83.31	-54.803	-63.485	-55.532	-86.935
35	-49.083	-98.597	-64.092	-58.536	-56.85	-92.687	-63.855	-66.429	-48.856	-81.903
36	-50.707	-89.839	-64.344	-57.853	-55.682	-85.686	-55.962	-53.967	-47.645	-99.241
37	-45.459	-94.28	-65.512	-59.242	-56.109	-92.651	-65.274	-60.05	-49.531	-92.707
38	-49.767	-92.2	-63.17	-57.604	-54.146	-84.75	-75.617	-62.804	-44.023	-91.82

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-18	-18	-18	-16	-14.4	-11	-9
LowLimit										
Average =	-66.34	-58.84	-53.25	-33.04	-31.65	-31.00	-22.74	-21.22	-17.25	-12.57
STD DEV =	6.35	4.44	2.80	2.38	3.04	2.96	1.41	1.26	1.19	0.86
Cpu	1.38	1.94	3.01	2.10	1.50	1.46	1.59	1.80	1.75	1.38
Cpl										
Cpk	1.38	1.94	3.01	2.10	1.50	1.46	1.59	1.80	1.75	1.38
DATA	-	-	-	-	-	-	-	-	-	-
1	-64.269	-58.055	-54.857	-32.317	-32.79	-36.499	-24.746	-23.516	-15.487	-11.748
2	-70.427	-61.687	-52.916	-36.804	-27.954	-30.623	-24.267	-23.472	-15.801	-13.505
3	-70.345	-62.344	-52.572	-36.712	-35.986	-35.551	-22.685	-19.799	-16.3	-13.868
4	-72.885	-64.495	-53.095	-34.606	-34.891	-32.131	-24.266	-20.899	-17.082	-12.596
5	-72.018	-61.382	-52.43	-35.107	-34.144	-29.092	-23.156	-19.624	-17.261	-12.41
6	-59.404	-53.068	-50.148	-32.084	-30.004	-32.179	-22.182	-22.797	-16.043	-11.875
7	-66.97	-60.426	-55.749	-35.722	-31.264	-31.868	-24.317	-21.411	-18.686	-13.566
8	-65.758	-59.486	-50.772	-33.617	-28.578	-31.357	-24.558	-21.258	-16.169	-13.593
9	-62.428	-56.48	-53.796	-32.949	-33.441	-33.386	-22.305	-21.01	-17.82	-11.892
10	-72.002	-62.754	-55.083	-33.059	-30.669	-34.169	-21.306	-20.91	-16.626	-12.431
11	-59.295	-53.301	-50.687	-30.904	-28.842	-31.05	-22.122	-22.007	-15.355	-11.143
12	-64.448	-58.681	-55.7	-32.586	-28.697	-29.155	-20.341	-19.937	-18.418	-12.222
13	-64.017	-57.243	-55.433	-28.852	-27.977	-36.127	-20.88	-20.079	-15.553	-13.961
14	-64.848	-59.112	-56.235	-32.283	-31.223	-29.686	-23.462	-24.001	-18.07	-11.642
15	-57.469	-51.785	-48.739	-31.24	-33.461	-26.702	-24.529	-21.593	-17.733	-12.866
16	-62.239	-56.499	-53.201	-32.225	-28.836	-29.911	-23.651	-22.53	-18.252	-12.067
17	-71.857	-63.31	-55.626	-32.474	-32.054	-30.43	-20.699	-21.088	-17.32	-11.148
18	-63.743	-57.875	-56.105	-35.866	-36.627	-27.561	-23.358	-19.778	-18.601	-13.8
19	-86.826	-68.902	-58.134	-35.691	-34.899	-28.975	-24.026	-20.197	-16.163	-11.813
20	-61.167	-53.68	-44.886	-30.289	-30.498	-27.323	-20.285	-21.663	-18.989	-11.619
21	-60.703	-54.109	-51.62	-33.211	-28.179	-32.355	-24.425	-19.304	-18.705	-13.828
22	-72.447	-67.518	-55.151	-32.187	-28.774	-33.948	-22.107	-22.066	-18.405	-11.397
23	-62.841	-56.449	-54.362	-28.73	-30.745	-29.373	-21.784	-20.101	-18.975	-13.892
24	-61.724	-55.333	-53.066	-35.106	-36.453	-35.635	-22.202	-19.526	-15.609	-13.216
25	-66.22	-59.766	-55.869	-31.239	-35.833	-31.534	-22.662	-21.574	-18.969	-11.884
26	-71.384	-63.121	-54.666	-30.613	-36.126	-28.498	-20.484	-23.253	-17.864	-13.251
27	-60.326	-54.664	-52.301	-36.11	-29.602	-27.45	-21.471	-21.315	-18.045	-11.879
28	-70.69	-63.636	-52.634	-36.132	-32.837	-26.237	-24.485	-21.887	-17.038	-13.733
29	-63.938	-57.722	-56.62	-34.75	-29.036	-34.127	-23.177	-19.49	-15.79	-11.167
30	-65.61	-58.544	-55.478	-36.491	-29.894	-27.238	-20.442	-20.711	-17.401	-12.957
31	-85.13	-69.967	-57.217	-35.721	-31.133	-28.746	-23.474	-20.763	-17.385	-12.839
32	-69.841	-60.888	-53.26	-32.035	-36.818	-36.574	-24.354	-21.074	-16.967	-11.642
33	-61.588	-55.438	-52.568	-28.555	-30.571	-31.987	-21.093	-21.581	-18.898	-12.927
34	-58.352	-51.689	-48.711	-30.112	-28.948	-26.266	-22.897	-22.199	-15.328	-12.737
35	-64.884	-57.843	-53.414	-32.391	-34.545	-34.733	-24.908	-19.713	-15.793	-13.175
36	-62.186	-55.669	-53.177	-29.681	-27.737	-29.539	-21.385	-23.431	-16.362	-12.815
37	-61.883	-54.98	-48.871	-31.647	-26.453	-30.146	-22.845	-20.133	-18.417	-12.16
38	-68.697	-57.983	-48.351	-35.392	-36.36	-29.774	-22.665	-20.554	-17.907	-12.451

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-11	-9	-18	-18	-18
LowLimit										
Average =	-32.17	-30.51	-32.66	-22.51	-21.84	-17.26	-12.59	-32.69	-32.39	-31.12
STD DEV =	2.90	2.98	3.09	1.39	1.34	1.06	0.78	2.65	3.28	2.89
Cpu	1.63	1.40	1.58	1.56	1.85	1.98	1.54	1.85	1.46	1.51
Cpl										
Cpk	1.63	1.40	1.58	1.56	1.85	1.98	1.54	1.85	1.46	1.51
DATA	-	-	-	-	-	-	-	-	-	-
1	-28.215	-29.462	-34.673	-24.122	-23.523	-16.661	-11.896	-36.836	-32.758	-29.827
2	-36.284	-32.965	-34.223	-21.995	-21.252	-15.827	-13.865	-36.439	-36.46	-29.003
3	-34.922	-34.202	-32.862	-23.954	-22.38	-16.119	-11.923	-28.436	-26.55	-28.785
4	-32.542	-33.286	-29.853	-20.322	-23.411	-17.73	-11.942	-35.752	-32.579	-33.157
5	-34.308	-29.592	-35.896	-21.268	-21.576	-17.618	-12.618	-33.272	-34.534	-26.241
6	-34.277	-31.435	-26.661	-21.056	-22.629	-18.376	-11.479	-33.901	-33.104	-29.584
7	-31.016	-29.13	-26.597	-22.063	-21.93	-17.867	-12.49	-35.679	-34.136	-28.353
8	-33.968	-27.705	-33.552	-21.993	-20.177	-16.465	-13.949	-32.34	-30.352	-28.405
9	-34.478	-35.382	-26.2	-23.989	-21.51	-17.85	-12.708	-35.724	-36.76	-35.155
10	-34.599	-29.617	-31.672	-23.39	-19.591	-16.861	-11.736	-32.361	-36.855	-31.289
11	-28.009	-30.099	-30.548	-20.66	-21.4	-18.604	-12.394	-32.287	-30.745	-34.838
12	-37.642	-29.615	-36.212	-20.943	-20.366	-17.936	-12.285	-31.981	-32.298	-32.009
13	-32.749	-27.766	-35.906	-23.639	-20.677	-15.896	-13.572	-29.223	-30.291	-33.994
14	-31.097	-34.073	-36.936	-21.555	-23.435	-16.079	-13.082	-28.424	-33.514	-29.529
15	-31.242	-34.881	-32.532	-23.668	-22.654	-18.866	-11.7	-30.321	-28.707	-35.736
16	-29.629	-31.198	-27.575	-22.171	-22.803	-18.639	-11.456	-34.434	-31.748	-29.078
17	-30.084	-30.634	-36.082	-23.14	-23.611	-18.293	-12.843	-32.489	-26.733	-35.611
18	-34.497	-34.885	-35.487	-24.393	-22.749	-17.157	-11.27	-28.746	-26.87	-30.61
19	-32.648	-27.149	-35.906	-21.849	-21.03	-18.756	-13.846	-32.942	-36.889	-30.549
20	-31.485	-29.295	-35.28	-21.237	-19.394	-15.742	-13.775	-28.7	-27.656	-28.347
21	-28.657	-26.599	-33.795	-21.724	-23.029	-16.928	-12.589	-29.377	-35.07	-30.805
22	-29.13	-27.568	-30.064	-20.777	-19.513	-18.783	-13.647	-31.108	-31.336	-27.286
23	-29.237	-27.905	-33.032	-22.643	-20.242	-17.772	-13.666	-30.879	-30.857	-29.783
24	-33.674	-26.278	-35.972	-24.481	-21.11	-17.183	-13.588	-33.733	-35.861	-35.245
25	-40.523	-28.601	-27.951	-20.263	-22.294	-15.522	-13.148	-29.365	-31.845	-34.239
26	-26.515	-32.632	-35.246	-23.431	-23.853	-16.405	-12.983	-36.767	-26.953	-35.989
27	-35.586	-29.111	-35.04	-21.041	-21.404	-15.97	-12.692	-34.599	-36.174	-27.148
28	-31.715	-36.192	-29.152	-20.438	-23.396	-18.575	-12.722	-29.407	-36.812	-30.8
29	-29.663	-34.337	-33.233	-23.403	-23.364	-16.11	-11.995	-32.055	-33.473	-35.955
30	-35.147	-27.398	-33.901	-22.326	-21.558	-16.419	-11.709	-34.937	-31.497	-32.996
31	-31.886	-27.434	-32.415	-24.524	-22.658	-18.654	-12.307	-36.093	-34.334	-29.695
32	-33.602	-34.111	-31.023	-24.504	-22.402	-18.97	-11.95	-34.951	-26.603	-30.906
33	-32.376	-28.458	-28.46	-21.08	-20.056	-17.407	-11.265	-35.831	-37.02	-27.127
34	-28.634	-27.979	-33.728	-24.554	-23.932	-16.78	-12.542	-29.78	-29.953	-31.412
35	-31.663	-36.061	-31.481	-22.662	-20.163	-17.584	-12.324	-32.47	-30.97	-27.706
36	-30.102	-28.65	-35.651	-24.104	-23.455	-15.795	-12.291	-35.573	-34.121	-29.005
37	-30.428	-31.224	-35.643	-21.742	-20.77	-16.43	-12.893	-30.532	-31.436	-30.766
38	-30.221	-26.501	-30.455	-24.342	-20.768	-17.233	-13.364	-34.61	-36.906	-35.714

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4	-11
LowLimit										
Average =	-22.54	-21.35	-17.32	-12.64	-33.08	-31.06	-32.35	-22.82	-22.12	-17.09
STD DEV =	1.41	1.30	1.09	0.87	2.18	3.01	3.12	1.42	1.61	1.11
Cpu	1.55	1.79	1.93	1.40	2.31	1.44	1.53	1.60	1.60	1.83
Cpl										
Cpk	1.55	1.79	1.93	1.40	2.31	1.44	1.53	1.60	1.60	1.83
DATA	-	-	-	-	-	-	-	-	-	-
1	-21.3	-19.421	-18.247	-12.758	-31.852	-32.607	-35.003	-24.196	-20.074	-18.968
2	-23.312	-20.274	-15.145	-13.722	-33.186	-29.124	-30.481	-22.092	-23.447	-18.471
3	-22.666	-22.975	-18.045	-12.074	-32.123	-28.332	-36.595	-24.319	-20.221	-16.419
4	-20.485	-21.665	-15.738	-11.575	-30.186	-27.814	-28.186	-23.222	-23.064	-15.274
5	-21.484	-22.988	-16.104	-11.193	-34.922	-28.69	-35.757	-22.288	-19.294	-18.213
6	-22.678	-22.417	-17.446	-13.417	-32.267	-26.717	-33.789	-22.614	-23.848	-18.497
7	-23.749	-19.302	-18.696	-12.971	-35.529	-33.313	-35.719	-23.865	-23.883	-15.644
8	-21.217	-20.224	-16.666	-11.857	-35.157	-31.553	-35.72	-21.124	-23.41	-17.138
9	-20.236	-20.299	-15.841	-11.691	-36.317	-29.009	-30.78	-23.217	-21.334	-16.294
10	-23.122	-21.932	-18.172	-11.589	-29.325	-26.996	-36.084	-24.423	-21.515	-16.077
11	-23.518	-19.186	-17.474	-11.762	-29.417	-36.681	-29.769	-24.752	-23.912	-18.863
12	-23.866	-21.342	-18.175	-13.958	-34.407	-33.976	-29.115	-23.861	-21.863	-15.374
13	-21.958	-20.774	-18.221	-12.393	-30.129	-29.073	-29.599	-22.821	-19.893	-18.352
14	-21.159	-21.436	-16.472	-13.007	-33.928	-33.747	-27.458	-24.678	-23.464	-18.981
15	-20.831	-19.36	-18.704	-13.477	-33.761	-27.218	-34.145	-23.438	-22.118	-15.799
16	-23.417	-22.061	-17.436	-13.65	-31.967	-34.629	-26.51	-24.777	-19.148	-17.95
17	-22.927	-19.598	-18.013	-13.027	-34.152	-29.306	-32.586	-24.068	-21.567	-18.287
18	-21.343	-22.435	-18.156	-13.735	-32.259	-35.443	-36.77	-24.713	-23.633	-17.648
19	-23.17	-19.414	-18.269	-11.398	-34.153	-34.476	-27.78	-21.47	-20.091	-16.093
20	-24.789	-23.36	-17.793	-11.235	-31.535	-34.147	-30.165	-22.371	-19.344	-18.828
21	-20.775	-22.704	-18.929	-11.66	-33.561	-32.954	-27.81	-20.724	-22.537	-18.553
22	-21.604	-21.572	-16.768	-13.741	-36.655	-31.412	-28.323	-22.565	-23.349	-16.455
23	-23.567	-21.817	-17.363	-13.067	-33.022	-33.002	-36.39	-20.845	-24	-16.826
24	-24.826	-19.368	-17.862	-11.991	-35.607	-28.406	-34.259	-23.806	-23.828	-17.465
25	-20.786	-23.059	-16.739	-13.026	-33.925	-34.936	-36.909	-23.763	-22.277	-16.66
26	-21.27	-22.937	-17.622	-12.061	-35.412	-30.397	-29.479	-20.474	-23.521	-16.021
27	-23.218	-21.972	-17.108	-13.243	-29.661	-33.958	-35.041	-21.97	-19.532	-15.591
28	-22.625	-21.127	-17.185	-13.803	-35.563	-29.793	-32.18	-21.534	-21.927	-17.232
29	-21.772	-21.708	-16.659	-12.241	-31.68	-29.399	-33.157	-21.629	-23.689	-16.25
30	-23.013	-21.819	-16.186	-13.572	-28.308	-26.505	-30.043	-22.863	-22.541	-16.774
31	-24.286	-21.006	-15.252	-13.119	-35.746	-27.028	-34.919	-24.388	-22.299	-16.821
32	-21.668	-21.751	-18.646	-12.36	-34.913	-32.208	-32.863	-23.219	-21.016	-16.056
33	-20.817	-23.657	-18.986	-13.565	-30.103	-34.693	-31.649	-20.482	-23.961	-17.692
34	-24.566	-21.72	-15.956	-13.269	-34.576	-31.552	-34.465	-22.067	-23.7	-16.533
35	-24.224	-22.185	-19.006	-12.839	-31.229	-36.106	-29.77	-20.306	-23.438	-16.023
36	-24.938	-22.584	-16.241	-11.328	-31.737	-27.941	-36.443	-22.987	-20.737	-16.23
37	-20.791	-19.791	-15.534	-11.505	-34.095	-26.847	-30.206	-20.319	-23.384	-17.624
38	-24.713	-20.172	-17.478	-13.426	-34.696	-30.256	-33.205	-24.832	-19.751	-17.617

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-9	-18	-18	-18	-16	-14.4	-11	-9	-18	-18
LowLimit										
Average =	-12.76	-33.23	-31.72	-31.93	-22.41	-21.44	-17.17	-12.73	-32.96	-31.37
STD DEV =	0.73	3.24	3.13	3.16	1.27	1.40	1.07	0.77	2.21	3.17
Cpu	1.72	1.57	1.46	1.47	1.68	1.68	1.93	1.62	2.26	1.41
Cpl										
Cpk	1.72	1.57	1.46	1.47	1.68	1.68	1.93	1.62	2.26	1.41
DATA	-	-	-	-	-	-	-	-	-	-
1	-13.041	-35.192	-30.649	-35.123	-22.246	-23.421	-16.951	-11.852	-30.282	-36.748
2	-11.753	-28.682	-28.601	-33.139	-22.534	-22.832	-17.541	-13.22	-34.6	-30.918
3	-12.497	-33.625	-35.091	-29.459	-21.319	-23.155	-15.965	-13.551	-31.012	-28.074
4	-13.089	-31.343	-32.569	-35.191	-20.374	-20.314	-17.26	-11.288	-30.736	-28.975
5	-13.217	-33.284	-34.859	-36.555	-23.125	-22.051	-17.025	-13.007	-35.325	-30.517
6	-12.888	-31.673	-34.195	-27.945	-23.799	-21.429	-17.494	-12.362	-36.518	-27.79
7	-13.654	-34.284	-34.58	-35.728	-23.722	-20.798	-17.804	-12.147	-29.528	-28.935
8	-12.524	-39.504	-29.771	-26.557	-21.798	-23.667	-18.304	-13.218	-32.901	-33.38
9	-13.796	-31.616	-31.812	-30.977	-20.419	-19.31	-18.878	-13.901	-31.669	-28.856
10	-13.303	-32.278	-33.119	-36.639	-20.15	-21.553	-16.067	-12.501	-32.468	-28.603
11	-13.567	-33.317	-31.616	-35.588	-23.19	-20.681	-18.929	-13.734	-34.941	-29.738
12	-11.777	-34.63	-32.747	-36.913	-22.719	-23.627	-15.198	-11.983	-29.084	-34.747
13	-12.627	-35.74	-29.596	-34.685	-21.439	-19.229	-15.352	-13.349	-32.308	-27.36
14	-12.72	-34.987	-33.58	-27.753	-22.069	-21.11	-17.585	-12.756	-35.806	-36.377
15	-12.961	-36.141	-26.471	-32.753	-21.147	-22.375	-18.691	-12.46	-32.16	-35.856
16	-13.711	-34.026	-33.548	-36.436	-22.398	-21.528	-16.623	-11.78	-31.105	-28.947
17	-12.554	-32.939	-28.55	-31.28	-21.375	-23.547	-16.908	-12.585	-30.913	-29.91
18	-11.541	-35.012	-30.228	-27.252	-21.732	-20.103	-15.861	-11.388	-32.543	-34.811
19	-12.354	-32.089	-35.718	-27.391	-20.95	-21.707	-16.1	-13.474	-30.328	-34.819
20	-13.663	-29.412	-27.153	-35.374	-24.724	-19.373	-16.129	-11.861	-36.79	-27.447
21	-13.711	-38.223	-36.583	-27.976	-24.383	-21.562	-17.877	-12.973	-30.615	-29.417
22	-12.074	-31.237	-33.152	-30.311	-21.512	-19.633	-16.555	-13.428	-36.085	-35.63
23	-12.351	-31.489	-27.578	-33.798	-22.094	-22.152	-16.81	-11.554	-36.326	-26.297
24	-11.598	-33.233	-27.116	-31.91	-23.694	-20.544	-16.874	-13.552	-33.493	-34.71
25	-13.729	-30.064	-34.547	-28.755	-24.845	-20.111	-18.721	-13.59	-36.606	-30.941
26	-13.103	-32.443	-29.051	-33.738	-24.048	-21.358	-17.588	-12.584	-33.908	-35.999
27	-12.324	-37.052	-36.652	-31.135	-21.576	-22.38	-15.644	-12.217	-28.797	-28.857
28	-12.959	-34.172	-29.857	-34.048	-23.728	-21.216	-16.656	-13.741	-33.871	-31.525
29	-11.535	-30.472	-30.977	-31.516	-22.121	-22.672	-18.54	-12.055	-31.081	-29.746
30	-12.727	-28.662	-28.243	-29.374	-21.443	-19.909	-16.499	-13.755	-34.715	-28.368
31	-12.427	-31.526	-36.588	-35.698	-22.279	-22.669	-17.554	-12.045	-34.891	-36.917
32	-11.996	-29.56	-33.509	-28.413	-20.748	-23.575	-17.918	-13.382	-32.881	-35.327
33	-13.923	-33.272	-29.102	-27.07	-23.094	-19.847	-18.192	-13.458	-34.904	-27.236
34	-12.311	-26.412	-27.423	-33.441	-21.811	-21.832	-18.366	-11.564	-34.307	-32.039
35	-12.359	-44.826	-34.93	-31.348	-23.02	-21.761	-16.247	-12.238	-32.317	-34.241
36	-11.376	-34.015	-35.878	-31.587	-23.578	-19.381	-18.95	-13.763	-31.955	-32.303
37	-13.379	-33.723	-33.201	-31.356	-24.82	-23.011	-17.442	-12.891	-31.91	-29.265
38	-13.696	-32.54	-26.405	-29.148	-21.652	-19.143	-15.548	-12.38	-32.988	-30.54

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-32.06	-23.15	-21.35	-17.20	-12.75	-33.40	-30.76	-31.80	-22.30	-21.55
STD DEV =	3.08	1.18	1.59	1.06	0.86	3.61	2.82	3.34	1.43	1.41
Cpu	1.52	2.03	1.46	1.96	1.46	1.42	1.51	1.38	1.47	1.69
Cpl										
Cpk	1.52	2.03	1.46	1.96	1.46	1.42	1.51	1.38	1.47	1.69
DATA	-	-	-	-	-	-	-	-	-	-
1	-36.281	-24.181	-19.584	-17.494	-13.826	-27.684	-31.604	-33.336	-20.636	-19.968
2	-29.319	-24.198	-19.912	-15.873	-13.595	-36.313	-32.751	-29.157	-22.57	-20.076
3	-31.586	-23.305	-19.395	-16.74	-12.364	-39.974	-32.905	-36.923	-20.502	-21.44
4	-29.925	-23.257	-21.482	-17.96	-13.084	-36.359	-27.44	-28.011	-24.365	-19.941
5	-36.063	-23.003	-22.274	-17.92	-11.391	-40.063	-29.764	-36.837	-24.194	-23.293
6	-35.857	-20.742	-19.734	-15.939	-12.423	-33.508	-32.504	-36.128	-22.734	-20.781
7	-33.032	-24.744	-21.622	-15.618	-12.047	-34.136	-30.816	-26.306	-23.324	-20.943
8	-29.115	-21.905	-23.903	-18.857	-11.22	-32.296	-33.916	-35.29	-20.656	-21.384
9	-33.047	-23.325	-21.226	-18.878	-12.53	-31.578	-32.323	-30.998	-21.398	-21.859
10	-32.676	-22.563	-23.989	-18.023	-11.361	-32.841	-28.152	-36.694	-24.489	-22.599
11	-36.282	-22.806	-23.646	-15.219	-13.844	-30.978	-26.366	-28.612	-23.227	-22.826
12	-33.254	-24.329	-21.978	-16.065	-13.635	-31.31	-32.1	-26.352	-22.28	-22.076
13	-29.743	-24.65	-20.923	-17.313	-13.148	-35.591	-27.975	-31.114	-22.798	-21.055
14	-36.746	-23.647	-20.759	-18.04	-13.567	-32.969	-27.942	-34.813	-22.096	-21.338
15	-29.36	-22.833	-19.655	-17.158	-13.933	-38.581	-32.803	-34.707	-20.188	-21.996
16	-31.811	-24.422	-20.651	-17.386	-13.091	-35.436	-29.791	-30.727	-20.476	-23.446
17	-35.976	-24.521	-19.33	-15.808	-11.797	-38.114	-30.654	-28.784	-22.308	-19.965
18	-36.478	-22.566	-20.933	-18.934	-13.355	-37.309	-32.524	-34.933	-22.371	-20.746
19	-29.883	-23.704	-21.096	-16.081	-12.871	-36.218	-29.312	-27.557	-23.471	-20.305
20	-34.82	-23.878	-20.018	-15.919	-13.677	-41.04	-29.452	-27.604	-24.275	-21.093
21	-27.482	-22.933	-20.18	-18.94	-13.988	-29.189	-33.46	-30	-25.017	-19.843
22	-33.915	-21.702	-19.618	-17	-11.851	-31.637	-33.054	-27.273	-21.941	-22.602
23	-31.243	-24.691	-21.62	-16.534	-13.762	-39.245	-27.325	-30.953	-22.772	-19.838
24	-26.561	-24.554	-20.36	-16.579	-11.533	-28.588	-27.915	-31.323	-20.176	-22.648
25	-28.61	-21.298	-19.138	-18.52	-12.934	-33.097	-36.996	-34.386	-21.11	-19.279
26	-30.999	-24.327	-23.948	-17.858	-12.377	-29.787	-29.018	-36.233	-21.126	-22.005
27	-31.159	-23.019	-23.714	-18.256	-13.571	-31.746	-29.651	-29.026	-24.452	-23.746
28	-28.599	-23.443	-19.255	-17.891	-12.101	-32.244	-32.961	-28.152	-20.681	-23.232
29	-26.627	-21.738	-23.26	-15.536	-11.83	-30.434	-31.276	-31.342	-21.084	-21.041
30	-36.143	-24.453	-23.743	-18.4	-12.86	-30.848	-30.858	-34.82	-20.79	-23.821
31	-33.579	-22.346	-21.389	-17.237	-12.308	-34.643	-36.787	-32.64	-23.714	-19.611
32	-28.771	-23.258	-19.605	-17.337	-12.106	-35.774	-33.085	-32.018	-24.61	-19.269
33	-33.588	-20.798	-22.15	-16.258	-12.996	-28.916	-26.658	-27.581	-22.082	-19.525
34	-29.56	-22.591	-23.288	-17.378	-11.446	-28.765	-30.451	-29.091	-21.179	-22.567
35	-30.689	-21.613	-22.242	-17.56	-12.251	-29.176	-36.591	-32.817	-21.208	-23.094
36	-36.732	-21.347	-19.584	-16.375	-12.096	-29.356	-27.119	-34.737	-23.343	-23.783
37	-28.747	-24.966	-23.482	-18.256	-13.796	-30.595	-27.806	-34.622	-20.69	-22.545
38	-34.034	-22.202	-22.611	-16.604	-13.922	-32.689	-26.912	-36.673	-22.949	-23.195

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	DCMR1
Condition:	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-11	-9	-18	-18	-18	-16	-14.4	-11	-9	-50
LowLimit										
Average =	-16.98	-12.68	-32.84	-31.84	-31.58	-22.68	-21.24	-16.83	-12.51	-56.50
STD DEV =	1.11	0.83	2.49	3.08	2.49	1.45	1.46	1.08	0.86	1.12
Cpu	1.80	1.48	1.99	1.50	1.82	1.53	1.56	1.80	1.36	1.93
Cpl										
Cpk	1.80	1.48	1.99	1.50	1.82	1.53	1.56	1.80	1.36	1.93
DATA	-	-	-	-	-	-	-	-	-	-
1	-17.335	-11.334	-36.607	-35.157	-32.722	-23.051	-20.018	-15.606	-11.803	-58.868
2	-15.421	-12.879	-36.972	-31.624	-30.115	-20.358	-23.807	-15.263	-12.055	-56.962
3	-16.188	-11.953	-33.377	-26.329	-27.982	-21.654	-19.348	-16.253	-13.022	-57.861
4	-17.05	-12.855	-36.018	-31.057	-33.504	-25.02	-20.082	-17.914	-12.091	-55.174
5	-16.412	-12.499	-35.478	-26.66	-29.793	-23.861	-20.317	-16.605	-13.145	-55.983
6	-16.623	-11.426	-28.163	-34.274	-29.83	-24.224	-20.349	-17.297	-12.23	-57.265
7	-17.542	-12.666	-30.39	-35.37	-27.771	-23.215	-20.32	-15.872	-12.518	-57.581
8	-15.27	-13.425	-33.849	-32.175	-32.291	-21.833	-23.697	-15.321	-11.429	-54.772
9	-17.383	-12.784	-33.827	-29.628	-29.39	-22.355	-23.06	-18.124	-13.353	-56.213
10	-15.613	-12.185	-29.476	-32.921	-34.165	-20.395	-20.971	-15.991	-12.231	-55.454
11	-18.797	-11.232	-32.351	-32.242	-29.71	-24.307	-22.95	-19.023	-13.023	-59.061
12	-15.793	-13.992	-33.558	-35.126	-33.507	-21.487	-20.53	-17.288	-11.53	-55.479
13	-17.239	-12.464	-33.241	-28.109	-34.047	-21.11	-19.183	-17.795	-12.872	-55.842
14	-15.442	-13.042	-36.438	-28.447	-28.369	-24.251	-22.367	-17.422	-13.197	-56.293
15	-17.787	-12.772	-33.713	-34.683	-30.184	-21.592	-23.241	-17.011	-13.83	-56.161
16	-15.588	-11.601	-30.316	-36.66	-34.076	-22.692	-19.349	-18.747	-13.435	-56.442
17	-17.339	-12.009	-30.566	-31.292	-28.727	-21.14	-20.315	-18.013	-11.829	-55.515
18	-16.791	-13.545	-30.104	-32.504	-32.026	-24.826	-23.012	-17.226	-13.199	-56.327
19	-18.193	-12.13	-35.393	-26.857	-36.893	-22.545	-23.981	-16.072	-13.38	-55.237
20	-17.324	-12.323	-31.668	-29.565	-32.68	-24.842	-23.21	-15.977	-11.166	-55.004
21	-17.32	-12.36	-29.413	-35.359	-34.799	-22.326	-19.848	-18.77	-13.628	-55.433
22	-17.326	-12.675	-32.507	-32.638	-29.086	-20.771	-19.804	-16.481	-12.078	-56.372
23	-18.089	-12.645	-33.456	-34.498	-32.119	-23.539	-20.197	-15.429	-11.387	-55.43
24	-15.382	-13.632	-31.986	-35.247	-29.986	-22.214	-21.911	-19.008	-11.191	-57.27
25	-16.826	-12.117	-33.894	-32.734	-35.12	-24.06	-21.276	-17.403	-13.512	-57.53
26	-15.356	-12.983	-31.834	-30.429	-28.979	-20.498	-23.096	-18.09	-12.913	-57.03
27	-16.199	-11.256	-37.009	-32.432	-27.193	-22.759	-19.276	-15.452	-11.314	-55.262
28	-16.454	-12.787	-36.636	-28.259	-33.939	-21.473	-19.935	-15.391	-11.58	-57.188
29	-17.295	-13.901	-36.539	-34.121	-33.97	-23.967	-19.838	-15.969	-12.326	-56.151
30	-17.959	-13.868	-29.095	-27.369	-34.369	-24.232	-20.924	-17.344	-12.538	-56.862
31	-17.54	-12.605	-31.698	-27.253	-30.331	-25.012	-19.583	-15.93	-11.622	-57.741
32	-16.095	-13.92	-31.777	-34.744	-35.53	-24.009	-21.825	-16.626	-13.299	-56.802
33	-18.908	-13.863	-32.394	-32.65	-29.309	-24.547	-22.232	-16.4	-11.266	-59.235
34	-15.413	-13.881	-33.035	-34.269	-30.915	-20.512	-22.391	-16.012	-13.618	-57.618
35	-19.024	-11.534	-30.787	-28.447	-34.264	-21.61	-21.42	-16.093	-11.267	-55.965
36	-19.014	-13.446	-28.163	-27.503	-31.131	-21.671	-19.906	-16.591	-13.585	-55.226
37	-18.002	-13.504	-32.452	-36.44	-31.918	-21.524	-21.879	-17.4	-13.401	-55.8
38	-17.899	-11.612	-33.595	-34.71	-29.339	-22.218	-21.486	-16.464	-13.388	-56.401

Parameter	DCMR1	DCMR1	DCMR1	DCMR2	DCMR2	DCMR2	DCMR2	DCMR3	DCMR3	DCMR3
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-54.98	-54.35	-41.86	-56.82	-53.49	-48.57	-38.79	-56.94	-53.79	-49.59
STD DEV =	2.70	3.35	0.61	0.62	1.96	0.42	0.31	0.60	0.84	0.43
Cpu	1.85	1.93	6.52	3.68	2.29	10.86	9.42	3.82	5.49	11.33
Cpl										
Cpk	1.85	1.93	6.52	3.68	2.29	10.86	9.42	3.82	5.49	11.33
DATA	-	-	-	-	-	-	-	-	-	-
1	-53.299	-52.13	-40.769	-56.819	-52.192	-47.96	-38.724	-57.931	-53.115	-49.744
2	-58.642	-57.836	-42.642	-56.682	-52.84	-48.453	-38.685	-56.345	-53.713	-50.244
3	-53.994	-51.739	-42.496	-58.203	-53.138	-48.735	-38.886	-56.495	-52.617	-50.102
4	-52.535	-51.371	-40.81	-56.211	-52.835	-48.722	-39.418	-57.048	-52.297	-49.699
5	-52.332	-52.541	-41.645	-57.38	-53.407	-47.732	-38.224	-56.419	-55.729	-49.238
6	-59.326	-57.787	-42.912	-56.358	-52.596	-47.978	-39.289	-56.019	-54.408	-49.733
7	-53.827	-51.724	-41.643	-56.587	-53.515	-49.16	-38.972	-57.693	-54.334	-49.735
8	-54.26	-53.584	-40.95	-56.804	-52.948	-48.454	-39.231	-57.159	-53.911	-50.131
9	-52.707	-52.199	-41.966	-57.301	-53.392	-48.388	-38.586	-56.884	-54.687	-49.47
10	-58.765	-59.244	-42.215	-56.399	-53.233	-48.415	-38.327	-57.046	-53.647	-49.151
11	-65.325	-58.327	-42.59	-57.399	-52.455	-48.413	-38.78	-56.906	-52.66	-49.229
12	-52.929	-50.114	-41.132	-56.608	-53.6	-48.462	-38.719	-57.545	-53.46	-50.16
13	-52.423	-50.598	-42.027	-57.256	-53.151	-48.064	-38.37	-56.447	-52.941	-49.15
14	-55.739	-60.756	-41.387	-56.964	-53.412	-48.171	-38.96	-57.028	-53.759	-49.474
15	-53.185	-51.587	-41.919	-56.355	-54.266	-48.65	-38.946	-58.393	-52.229	-49.377
16	-53.478	-53.074	-41.586	-56.737	-52.68	-48.946	-38.929	-56.769	-55.155	-50.113
17	-53.499	-51.328	-42.151	-57.771	-52.381	-48.086	-38.429	-56.533	-54.026	-49.837
18	-53.199	-52.141	-42.443	-56.832	-53.506	-48.66	-38.5	-56.934	-53.721	-50.126
19	-53.988	-52.155	-41.999	-57.221	-54.204	-48.253	-38.679	-57.104	-54.5	-49.634
20	-52.775	-52.152	-42.453	-57.801	-51.876	-48.802	-38.311	-57.376	-53.633	-48.821
21	-54.334	-51.649	-42.128	-57.853	-54.146	-48.657	-38.818	-56.016	-54.182	-49.626
22	-52.535	-51.43	-42.418	-56.273	-52.94	-48.671	-39.26	-56.637	-52.36	-49.437
23	-53.357	-53.182	-42.413	-55.972	-53.103	-48.905	-38.707	-56.196	-54.086	-48.815
24	-54.936	-54.497	-41.447	-57.394	-53.107	-48.734	-39.006	-57.288	-54.184	-50.203
25	-54.585	-52.571	-41.392	-56.67	-53.457	-49.073	-38.427	-56.642	-52.434	-49.073
26	-53.164	-52.487	-40.944	-57.013	-52.859	-48.939	-39.273	-55.838	-53.905	-50.433
27	-54.453	-53.21	-41.696	-57.093	-52.592	-48.753	-38.81	-56.477	-52.861	-50.25
28	-54.242	-53.456	-41.517	-56.87	-64.845	-49.601	-38.89	-57.783	-54.279	-49.954
29	-55.081	-54.336	-43.089	-55.685	-53.612	-49.05	-39.337	-56.333	-54.292	-49.496
30	-53.573	-51.564	-41.708	-56.681	-53.796	-48.468	-38.577	-57.036	-54.254	-49.292
31	-54.323	-54.638	-42.102	-55.791	-52.325	-48.158	-39.185	-56.774	-54.665	-49.279
32	-54.305	-55.158	-41.301	-57.76	-53	-48.283	-38.715	-56.506	-54.401	-49.037
33	-56.825	-62.887	-41.402	-56.536	-54.35	-49.397	-38.781	-57.148	-55.323	-49.722
34	-54.426	-53.512	-40.625	-56.518	-53.858	-47.925	-38.91	-58.616	-53.852	-49.471
35	-59.647	-58.878	-42.473	-56.138	-52.375	-48.606	-38.87	-57.319	-52.817	-48.932
36	-58.381	-60.833	-42.201	-55.611	-53.923	-49.13	-38.3	-57.048	-53.888	-49.352
37	-55.756	-58.813	-42.201	-56.276	-53.287	-48.74	-38.508	-56.946	-54.008	-49.69
38	-59.162	-59.763	-41.862	-57.223	-53.346	-48.226	-38.773	-57.093	-53.87	-49.257

Parameter	DCMR3	DCMR4	DCMR4	DCMR4	DCMR4	DCMR5	DCMR5	DCMR5	DCMR5	DCMR6
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-50	-40	-35	-30	-50	-40	-35	-30	-50
LowLimit										
Average =	-39.66	-56.73	-53.24	-49.07	-39.26	-57.12	-53.92	-49.73	-39.96	-56.52
STD DEV =	0.29	0.59	0.92	0.47	0.30	0.75	0.79	0.56	0.32	0.63
Cpu	11.17	3.78	4.82	9.94	10.40	3.18	5.89	8.74	10.27	3.45
Cpl										
Cpk	11.17	3.78	4.82	9.94	10.40	3.18	5.89	8.74	10.27	3.45
DATA	-	-	-	-	-	-	-	-	-	-
1	-39.74	-57.73	-53.116	-48.493	-38.513	-56.266	-53.427	-49.283	-39.282	-56.012
2	-39.756	-56.694	-52.518	-48.691	-39.306	-58.129	-54.19	-48.603	-39.693	-56.284
3	-39.204	-57.457	-52.495	-48.504	-38.904	-57.11	-54.039	-49.687	-40.005	-56.54
4	-39.326	-57.04	-52.604	-48.605	-39.659	-57.412	-54.758	-50.015	-39.618	-56.028
5	-39.085	-56.686	-53.058	-49.005	-39.252	-57.54	-53.851	-49.663	-39.825	-57.206
6	-39.974	-55.862	-53.377	-49.117	-39.72	-58.054	-53.185	-49.129	-40.198	-55.781
7	-39.796	-57.22	-54.008	-48.456	-39.023	-57.646	-54.584	-49.565	-40.568	-55.455
8	-39.826	-56.646	-52.762	-49.271	-39.218	-56.95	-54.356	-49.735	-40.607	-58.195
9	-39.916	-55.834	-51.662	-48.963	-38.635	-56.731	-54.187	-49.557	-39.962	-57.156
10	-39.41	-56.609	-52.327	-49.276	-39.204	-57.811	-55.302	-50.387	-40.302	-57.212
11	-39.465	-56.126	-56.346	-49.789	-39.458	-56.723	-53.162	-50.119	-39.951	-55.729
12	-39.803	-56.772	-52.088	-48.73	-39.039	-58.564	-54.17	-48.831	-40	-56.832
13	-39.884	-57.255	-52.817	-48.476	-39.361	-56.6	-55.044	-49.682	-39.544	-56.368
14	-40.101	-56.511	-53.264	-49.037	-39.461	-57.44	-53.79	-49.599	-39.826	-56.427
15	-40.298	-57.089	-52.687	-49.732	-39.257	-56.878	-55.012	-49.668	-39.965	-56.8
16	-39.983	-57.486	-52.255	-49.072	-39.397	-58.482	-53.991	-50.26	-39.581	-56.496
17	-39.662	-57.302	-52.789	-48.386	-39.107	-57.981	-54.014	-49.821	-39.817	-56.035
18	-39.944	-55.802	-52.949	-49.207	-39.336	-57.814	-53.086	-49.38	-39.944	-57.207
19	-39.099	-57.117	-54.063	-50.262	-38.983	-55.63	-54.621	-50.237	-40.369	-55.845
20	-39.489	-57.408	-53.667	-48.659	-39.442	-56.864	-53.015	-49.944	-39.757	-57.09
21	-39.876	-56.441	-52.866	-49.327	-39.193	-56.833	-53.506	-50.747	-40.797	-56.321
22	-39.656	-57.037	-53.025	-48.338	-40.105	-58.323	-53.358	-50.137	-39.799	-56.399
23	-39.26	-56.519	-55.469	-49.03	-38.742	-56.26	-53.51	-49.204	-39.938	-56.542
24	-39.357	-57.245	-52.891	-48.539	-39.101	-57.325	-53.478	-49.334	-40.383	-56.574
25	-39.735	-56.234	-54.42	-49.954	-39.494	-56.721	-54.53	-50.187	-39.659	-56.656
26	-39.765	-55.534	-53.071	-49.564	-39.416	-57.912	-54.399	-50.187	-39.849	-56.871
27	-39.849	-56.802	-52.943	-49.789	-39.339	-56.234	-54.849	-49.125	-40.53	-54.909
28	-39.889	-56.648	-54.198	-48.926	-39.327	-56.581	-53.666	-50.066	-39.818	-56.132
29	-39.495	-55.816	-52.996	-49.276	-39.436	-56.669	-53.525	-49.963	-39.959	-55.957
30	-39.37	-58.064	-52.867	-48.682	-38.929	-56.837	-52.994	-50.142	-40.167	-56.603
31	-39.738	-56.687	-53.075	-49.161	-39.214	-57.437	-53.749	-49.593	-39.982	-55.873
32	-39.52	-56.189	-53.456	-48.51	-39.276	-56.474	-52.837	-48.254	-39.611	-57.014
33	-39.509	-56.757	-52.675	-49.317	-38.969	-56.932	-53.272	-49.312	-40.087	-57.804
34	-39.988	-57.725	-52.747	-49.324	-39.574	-56.297	-51.731	-50.976	-39.947	-56.411
35	-39.193	-56.336	-53.059	-49.501	-39.337	-56.99	-53.991	-49.163	-39.6	-57.145
36	-39.806	-56.319	-53.399	-49.315	-39.513	-58.003	-54.698	-50.649	-40.046	-56.235
37	-39.52	-56.117	-55.086	-49.412	-39.439	-56.365	-55.776	-49.56	-39.912	-57.038
38	-39.892	-56.683	-54.01	-48.973	-39.17	-55.614	-53.264	-49.87	-39.642	-56.709

Parameter	DCMR6	DCMR6	DCMR6	DCMR7	DCMR7	DCMR7	DCMR7	DCMR8	DCMR8	DCMR8
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-53.35	-49.28	-39.52	-56.98	-53.68	-49.78	-40.11	-56.73	-52.61	-48.56
STD DEV =	0.65	0.48	0.33	0.66	0.74	0.48	0.31	0.67	0.72	0.45
Cpu	6.85	9.99	9.68	3.52	6.17	10.24	11.01	3.34	5.83	10.15
Cpl										
Cpk	6.85	9.99	9.68	3.52	6.17	10.24	11.01	3.34	5.83	10.15
DATA	-	-	-	-	-	-	-	-	-	-
1	-53.124	-48.882	-39.467	-56.567	-54.394	-49.84	-39.744	-56.924	-53.953	-48.714
2	-53.538	-48.597	-39.164	-58.119	-52.939	-49.767	-40.145	-56.397	-53.013	-49.058
3	-53.248	-49.894	-39.093	-58.003	-52.706	-49.44	-40.666	-57.528	-54.083	-49.267
4	-53.013	-49.284	-39.445	-56.779	-53.966	-49.481	-40.269	-57.338	-53.171	-47.778
5	-53.994	-49.141	-39.659	-56.21	-54.376	-49.184	-39.589	-56.243	-53.944	-48.175
6	-53.735	-49.077	-40.072	-58.075	-54.277	-48.674	-39.793	-56.906	-52.085	-48.673
7	-53.039	-48.641	-39.747	-58.148	-54.722	-50.223	-40.25	-55.386	-53.284	-48.971
8	-53.264	-49.478	-40.277	-57.287	-53.127	-49.638	-39.979	-56.064	-52.887	-48.628
9	-53.986	-50.014	-39.9	-57.101	-54.58	-50.39	-40.361	-57.157	-53.24	-49.503
10	-53.567	-49.486	-39.558	-57.25	-54.586	-49.226	-40.315	-56.557	-53.09	-48.265
11	-53.142	-48.499	-38.669	-55.375	-54.403	-50.07	-40.043	-56.839	-51.155	-47.791
12	-51.944	-49.901	-39.269	-58.462	-54.559	-49.002	-39.788	-56.773	-52.821	-48.975
13	-53.937	-49.856	-39.739	-56.39	-52.39	-49.761	-40.074	-56.536	-52.307	-48.998
14	-53.509	-49.345	-40.024	-57.704	-55.342	-49.767	-40.02	-57.755	-52.187	-48.536
15	-53.55	-49.037	-39.488	-57.01	-53.359	-49.098	-40.192	-56.805	-53.133	-48.793
16	-53.406	-49.521	-39.769	-55.588	-52.466	-49.9	-39.8	-56.836	-52.219	-48.331
17	-52.937	-48.752	-39.186	-56.696	-53.223	-50.326	-40.366	-58.364	-52.419	-48.038
18	-52.939	-48.716	-39.374	-57.233	-53.264	-50.017	-39.965	-56.575	-51.78	-48.321
19	-53.652	-49.327	-39.737	-56.494	-53.353	-49.731	-40.271	-56.16	-52.666	-48.457
20	-52.228	-48.544	-39.509	-56.627	-54.117	-50.446	-39.888	-56.529	-52.422	-48.105
21	-52.911	-49.766	-39.213	-56.67	-54.047	-50.446	-40.58	-55.851	-51.472	-49.194
22	-51.668	-49.07	-39.447	-57.288	-53.537	-49.665	-40.762	-56.724	-50.886	-48.047
23	-53.305	-49.519	-39.575	-56.816	-53.492	-50.089	-40.213	-55.88	-53.622	-48.807
24	-55.363	-49.131	-39.267	-56.597	-53.399	-48.907	-40.408	-55.917	-52.649	-48.337
25	-54.107	-49.217	-39.619	-57.286	-54.261	-49.794	-40.677	-57.072	-52.37	-48.4
26	-53.965	-49.42	-40.018	-57.401	-53.296	-51.011	-39.709	-57.31	-52.969	-49.301
27	-53.825	-49.244	-39.067	-57.284	-52.969	-49.493	-39.998	-56.916	-51.722	-48.267
28	-52.51	-49.313	-39.733	-56.347	-53.715	-49.484	-39.848	-57.046	-51.966	-48.421
29	-52.826	-50.528	-39.641	-56.891	-54.285	-50.309	-39.966	-56.852	-52.271	-48.488
30	-53.573	-49.672	-39.407	-56.352	-53.671	-50.458	-40.277	-56.521	-52.333	-47.46
31	-53.579	-48.894	-39.457	-56.803	-52.221	-49.63	-39.917	-56.506	-51.766	-48.61
32	-53.828	-48.674	-38.998	-56.936	-53.346	-49.736	-39.622	-57.359	-53.366	-48.335
33	-53.644	-49.747	-39.587	-56.284	-52.875	-49.875	-39.959	-57.456	-52.321	-48.446
34	-52.629	-49.404	-39.267	-57.29	-54.304	-49.757	-40.038	-57.538	-52.491	-48.344
35	-53.857	-49.836	-39.771	-56.434	-53.03	-49.544	-40.321	-56.968	-53.053	-48.976
36	-53.008	-49.589	-39.195	-57.349	-52.963	-49.835	-39.944	-56.987	-52.656	-48.749
37	-53.363	-48.492	-39.863	-57.019	-53.696	-50.116	-40.661	-54.619	-52.761	-48.789
38	-53.468	-49.017	-39.632	-57.078	-54.683	-49.334	-39.716	-56.46	-52.595	-49

Parameter	DCMR8	Hipot
Condition:	100MHZ	1500VAC/ 60s/1mA
Pins		
Unit	dB	
HighLimit	-30	
LowLimit		
Average =	-39.03	
STD DEV =	0.33	
Cpu	9.20	
Cpl		
Cpk	9.20	
DATA	-	
1	-39.398	Pass
2	-38.754	Pass
3	-38.963	Pass
4	-38.447	Pass
5	-38.523	Pass
6	-39.015	Pass
7	-39.717	Pass
8	-38.808	Pass
9	-39.471	Pass
10	-38.744	Pass
11	-38.758	Pass
12	-39.049	Pass
13	-39.346	Pass
14	-38.656	Pass
15	-38.972	Pass
16	-38.948	Pass
17	-39.431	Pass
18	-38.872	Pass
19	-38.47	Pass
20	-39.152	Pass
21	-39.034	Pass
22	-38.979	Pass
23	-39.332	Pass
24	-38.538	Pass
25	-39.222	Pass
26	-39.149	Pass
27	-39.088	Pass
28	-39.518	Pass
29	-39.643	Pass
30	-38.636	Pass
31	-39.025	Pass
32	-38.995	Pass
33	-38.595	Pass
34	-39.086	Pass
35	-39.146	Pass
36	-39.15	Pass
37	-39.48	Pass
38	-38.857	Pass

Appendix 2

HX5020NL Thermal Shock100cycles Electrical Test Data

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1-2	2-3	4-5	5-6	7-8	8-9	10-11	11-12	13-14	14-15
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	690.25	685.22	690.08	685.51	687.36	680.94	689.49	682.72	687.47	678.52
STD DEV =	7.90	6.92	8.58	9.14	6.71	7.09	7.22	6.25	10.16	7.70
Cpu	55.26	63.36	50.91	47.93	65.16	62.03	60.53	70.24	43.08	57.21
Cpl										
Cpk	55.26	63.36	50.91	47.93	65.16	62.03	60.53	70.24	43.08	57.21
DATA	-	-	-	-	-	-	-	-	-	-
1	700.622	695.165	698.094	690.772	688.528	684.538	691.368	689.114	709.318	686.667
2	691.649	689.527	679.366	678.237	696.527	684.343	696.375	695.467	686.823	689.313
3	683.895	680.19	679.447	680.091	680.643	677.072	688.417	687.837	689.693	678.163
4	684.742	678.586	688.187	685.71	699.929	685.32	689.462	691.166	691.385	685.958
5	686.294	682.539	685.237	676.367	679.32	669.624	675.257	669.535	681.778	675.783
6	679.222	677.258	682.648	684.577	684.08	676.486	681.807	676.354	681.484	671.37
7	685.426	680.71	702.537	694.657	694.037	687.493	690.755	679.976	687.258	677.504
8	721.884	709.601	697.428	687.987	687.665	676.031	691.869	679.085	693.925	685.044
9	690.42	682.031	692.87	697.548	677.938	672.082	690.673	681.634	687.19	677.478
10	679.324	681.149	675.074	670.163	694.002	687.491	684.765	680.15	696.177	678.615
11	699.171	703.196	687.539	677.229	698.819	688.108	693.065	686.698	688.966	680.238
12	691.657	681.973	688.106	679.561	689.589	689.75	692.464	681.326	679.54	673.308
13	688.832	680.484	679.186	671.009	682.436	695.625	696.664	688.877	694.5	684.526
14	688.332	677.159	681.387	678.502	687.288	676.74	698.295	671.16	689.422	685.112
15	700.752	692.84	685.446	680.392	683.246	675.137	693.485	684.461	677.257	672.181
16	680.844	684.577	685.807	683.794	696.032	688.065	686.031	679.036	676.542	666.164
17	687.624	683.169	686.543	688.247	683.171	679.195	680.192	674.991	683.402	677.426
18	689.109	681.538	689.156	687.353	699.984	689.252	681.385	678.467	696.258	684.194
19	681.247	684.746	694.562	686.576	697.947	693.464	686.929	681.745	678.539	678.206
20	691.674	689.408	688.642	683.273	677.87	671.273	689.447	679.058	690.509	680.703
21	683.981	677.585	683.511	677.452	696.599	694.102	683.859	676.968	678.682	671.633
22	694.202	687.253	698.894	685.797	688.9	682.291	674.916	678.278	689.068	679.13
23	690.633	676.533	693.451	692.501	687.721	678.018	694.483	687.91	726.483	702.322
24	692.384	687.66	699.45	692.481	688.244	680.175	684.261	677.59	686.491	674.612
25	684.66	685.706	694.859	689.129	692.035	680.527	696.453	683.46	678.947	673.238
26	692.474	682.68	715.204	709.628	690.06	677.745	679.282	679.926	690.036	683.637
27	689.521	682.723	687.599	679.464	674.379	664.731	688.856	684.291	675.137	665.365
28	692.544	683.272	692.002	689.177	687.366	685.271	688.321	681.922	677.737	669.033
29	692.955	681.844	684.706	675.742	684.821	686.463	685.013	679.762	689.05	678.644
30	687.889	680.149	700.309	697.329	686.865	679.391	695.484	683.484	677.557	674.975
31	698.834	691.601	684.002	679.653	685.569	681.774	686.747	679.728	692.809	675.388
32	679.556	682.183	694.219	698.662	676.112	671.593	692.374	682.301	684.172	674.503
33	694.901	693.569	693.7	685.301	687.193	680.823	681.041	674.778	690.881	686.985
34	685.167	687.19	686.64	685.291	681.574	673.137	704.21	692.325	704.995	695.561
35	682.86	682.428	709.745	711.031	685.418	672.72	708.184	697.825	675.178	676.187
36	691.589	683.899	681.049	678.248	681.656	683.185	684.826	690.937	674.916	666.069
37	691.132	682.86	680.3	673.456	680.861	677.594	695.065	686.352	688.14	670.612
38	701.505	693.466	696.249	686.861	685.066	679.11	698.658	689.285	683.666	678.046

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17	17-18	19-20	20-21	22-23	23-24	25-26	26-27	28-29	29-30
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	688.74	681.09	687.95	682.88	694.39	689.76	947.18	941.51	937.46	939.79
STD DEV =	9.21	8.89	9.71	7.96	10.24	7.94	9.97	9.79	9.71	15.13
Cpu	47.43	49.47	45.06	55.13	42.52	55.03	35.21	36.03	36.48	23.36
Cpl										
Cpk	47.43	49.47	45.06	55.13	42.52	55.03	35.21	36.03	36.48	23.36
DATA	-	-	-	-	-	-	-	-	-	-
1	687.302	676.437	703.148	681.157	707.513	711.313	948.63	945.581	938.759	950.054
2	677.142	663.653	693.234	689.255	682.939	685.845	940.289	938.23	938.111	944.796
3	689.383	677.535	679.926	683.678	683.783	679.826	931.854	923.137	937.512	944.192
4	683.681	684.84	687.834	690.001	694.84	686.488	940.959	933.989	945.817	946.684
5	686.159	672.48	673.501	667.007	690.019	685.717	963.845	953.869	923.931	919.174
6	685.372	680.753	692.153	682.811	687.577	693.055	932.192	930.204	938.249	944.475
7	684.504	680.711	679.716	678.631	695.71	691.41	951.296	947.686	943.379	951.032
8	697.166	683.019	689.837	685.047	701.994	690.923	959.082	955.176	950.788	953.6
9	699.44	686.628	691.275	685.495	695.367	691.608	956.7	951.081	947.434	946.431
10	681.585	679.137	676.413	671.256	694.368	689.638	943.692	937.445	925.671	932.772
11	707.851	700.288	683.627	676.062	707.228	699.647	937.88	931.982	935.087	939.806
12	677.247	671.195	686.906	684.898	695.519	685.45	959.947	958.526	940.464	942.15
13	684.143	676.896	685.248	684.34	690.613	683.337	950.62	944.624	935.973	932.731
14	682.756	673.41	704.971	698.473	689.858	678.683	934.39	931.304	938.249	943.884
15	691.405	682.917	677.986	674.174	691.848	683.67	931.738	930.368	922.574	927.861
16	698.189	689.443	723.437	702.176	700.7	693.973	938.285	929.271	919.876	926.222
17	686.373	685.973	682.709	686.92	692.415	693.425	964.958	955.842	933.222	935.834
18	717.622	702.921	688.108	686.637	692.287	696.252	952.343	949.108	954.825	952.265
19	684.86	677.36	694.937	678.861	688.264	686.221	943.912	932.591	944.502	949.125
20	672.039	664.531	678.025	677.39	683.539	681.494	949.323	944.878	934.745	933.966
21	701.511	704.422	690.742	687.105	690.754	688.749	943.324	940.449	931.571	936.618
22	691.334	679.924	689.481	680.981	684.542	677.619	938.436	937.511	939.071	956.993
23	687.842	677.086	680.496	679.1	690.215	681.645	941.572	938.35	943.643	950.597
24	691.235	684.652	683.144	674.956	684.039	685.224	938.569	932.917	928.136	931.177
25	687.165	677.427	689.687	697.26	701.109	694.324	952.075	946.749	961.646	966.786
26	696.777	690.085	708.702	696.562	680.469	681.236	928.351	920.64	958.207	970.16
27	675.917	668.8	679.885	671.692	687.199	679.146	945.186	929.902	936.053	942.039
28	685.783	676.558	686.004	688.538	689.516	682.503	947.494	947.313	937.281	939.389
29	681.728	673.907	689.248	678.543	693.317	689.479	948.52	937.41	929.301	932.353
30	682.712	679.296	680.222	679.337	688.18	689.291	949.895	943.784	929.12	929.851
31	683.608	676.881	697.681	681.55	705.069	702.25	947.927	943.384	936.032	938.595
32	700.548	686.494	691.361	693.981	696.682	692.006	959.061	951.679	949.756	941.57
33	683.163	680.436	680.867	676.606	691.028	689.336	947.312	938.841	920.992	919.285
34	689.321	675.669	680.034	669.563	691.166	689.451	946.077	943.815	925.902	937.853
35	694.72	686.02	690.197	688.038	702.737	697.425	962.409	953.279	937.681	949.033
36	701.118	692.677	679.252	681.277	718.811	696.357	946.96	939.151	935.106	875.726
37	684.554	680.156	687.508	682.324	734.647	712.521	945.502	944.262	943.316	941.624
38	678.696	680.937	684.588	677.823	690.919	694.492	972.118	963.007	931.395	935.152

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31-32	32-33	34-35	35-36	37-38	38-39	40-41	41-42	43-44	44-45
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	947.48	941.81	939.42	945.25	943.35	941.10	944.81	941.80	947.27	937.60
STD DEV =	22.17	10.80	8.05	8.46	10.79	10.71	13.54	9.12	11.33	9.97
Cpu	15.83	32.65	43.93	41.57	32.64	32.94	25.97	38.66	30.98	35.52
Cpl										
Cpk	15.83	32.65	43.93	41.57	32.64	32.94	25.97	38.66	30.98	35.52
DATA	-	-	-	-	-	-	-	-	-	-
1	951.267	946.089	950.776	958.037	942.65	944.831	976.321	946.368	959.003	932.431
2	940.632	933.575	952.821	961.11	943.171	944.006	993.282	934.343	946.706	937.522
3	956.156	946.598	933.563	948.953	930.194	931.54	950.317	935.332	940.384	929.164
4	942.533	946.701	943.683	947.26	959.395	956.19	966.632	965.216	939.217	930.344
5	941.751	938.061	948.57	954.601	939.91	942.054	920.235	921.776	931.787	923.088
6	949.493	943.309	930.824	938.842	954.194	943.926	928.88	928.794	947.285	941.056
7	936.854	935.412	946.314	955.504	953.885	947.087	951.756	949.041	954.843	949.623
8	949.437	945.273	941.703	951.995	939.97	935.076	951.538	952.403	964.994	953.455
9	953.389	951.848	930.751	938.792	936.575	936.229	932.773	930.785	956.267	947.134
10	933.145	931.168	944.42	951.023	940.915	935.896	951.433	951.901	937.133	925.251
11	958.619	956.133	933.87	951.367	963.011	953.054	953.246	950.618	944.629	929.405
12	919.09	931.169	931.552	935.225	952.228	954.001	944.497	946.774	947.05	935.677
13	941.965	937.326	947.694	950.465	973.083	970.198	939.512	942.876	941.374	930.386
14	1061.098	925.782	943.864	943.137	946.748	948.497	932.885	934.007	938.212	930.776
15	948.16	941.78	938.289	942.955	940.829	937.509	943.36	949.443	948.068	938.576
16	956.223	948.88	930.698	938.619	943.376	939.775	948.269	932.659	950.777	937.502
17	935.927	937.801	941.432	940.418	935.536	936.338	939.886	941.23	949.736	939.579
18	941.34	944.299	949.228	948.423	937.927	945.406	954.383	952.844	943.975	932.638
19	933.417	934.283	932.475	939.869	943.181	941.933	936.597	938.825	949.968	938.824
20	919.471	919.125	942.932	953.516	939.136	940.431	938.378	940.717	933.074	922.389
21	952.793	949.073	931.568	945.894	956.157	955.156	943.241	942.556	953.732	949.442
22	955.599	941.447	947.953	948.888	928.636	920.084	956.112	950.322	965.346	956.246
23	944.138	949.17	945.054	946.868	941.145	935.729	942.333	943.573	948.528	940.913
24	936.064	930.21	941.368	945.487	933.477	926.79	955.238	953.733	949.027	939.288
25	937.927	935.951	933.517	936.53	957.223	954.06	926.439	925.037	942.01	935.04
26	944.992	945.642	950.897	956.903	927.179	923.407	939.968	935.88	979.901	952.235
27	942.29	936.464	935.639	941.886	963.393	961.054	934.426	935.618	943.662	931.991
28	941.477	942.448	925.702	931.106	936.723	934.111	934.946	935.286	950.91	939.629
29	952.736	952.967	932.21	939.067	935.748	931.982	929.84	934.396	919.864	931.509
30	943.666	941.003	925.732	923.036	950.416	949.824	942.71	942.344	961.879	955.327
31	950.493	943.042	947.002	950.473	940.277	938.789	944.126	946.073	944.806	930.554
32	952.514	951.241	933.8	941.218	938.694	937.526	937.178	932.231	958.648	948.96
33	924.815	923.389	954.044	959.023	937.261	934.001	949.62	949.721	936.141	923.653
34	949.482	946.841	937.575	940.183	934.855	933.661	949.294	948.362	947.04	936.252
35	934.483	931.778	928.007	930.281	943.665	942.094	937.683	931.368	954.803	951.442
36	937.997	943.218	947.147	952.938	949.099	946.168	952.052	951.997	937.914	935.312
37	943.482	946.623	934.225	941.869	920.916	919.727	928.885	941.971	923.554	915.678
38	989.324	983.682	931.128	937.689	936.53	933.76	944.518	941.834	954.012	950.663

Parameter	DCR	DCR	BL	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	47-48	47-48:1-2	2-5	5-8	8-11	11-13	13-17	17-20	20-23
Unit	m ohms	m ohms	m ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms
HighLimit	2000	2000	2000							
LowLimit				10	10	10	10	10	10	10
Average =	943.45	945.55	255.30	71.14	70.00	70.24	69.22	70.87	70.47	70.62
STD DEV =	9.00	8.89	9.93	2.52	1.94	2.25	2.73	2.41	2.31	2.16
Cpu	39.15	39.54	58.58							
Cpl				8.10	10.28	8.94	7.23	8.41	8.71	9.34
Cpk	39.15	39.54	58.58	8.10	10.28	8.94	7.23	8.41	8.71	9.34
DATA	-	-	-	-	-	-	-	-	-	-
1	946.157	955.291	254.67	69.706	69.453	69.945	67.121	65.943	67.39	68.718
2	953.532	950.743	259.093	69.563	68.801	67.028	66.647	68.353	69.468	69.18
3	958.611	958.747	274.852	66.73	66.338	64.659	66.099	67.93	68.427	69.692
4	940.598	946.585	261.843	70.599	69.503	70.219	67.11	69.005	68.205	69.916
5	951.289	951.747	265.453	70.43	70.821	69.256	66.565	69.401	68.679	69.499
6	941.363	946.373	267.151	72.021	70.528	70.434	71.146	70.752	69.555	66.179
7	953.611	957.27	271.845	68.564	69.064	69.292	71.775	69.986	67.869	69.471
8	941.515	942.793	220.909	66.461	65.831	68.024	65.56	68.542	67.202	68.226
9	940.396	941.916	251.496	78.137	74.896	71.505	72.145	71.066	70.8	71.139
10	940.858	940.95	261.626	70.385	70.341	70.344	68.991	69.974	72.829	71.033
11	960.739	960.831	261.66	68.821	67.444	67.9	67.589	68.754	67.584	67.781
12	929.61	932.89	241.234	72.091	68.907	68.007	68.45	70.918	70.749	71.016
13	935.419	931.918	243.086	66.463	65.737	67.72	65.678	68.373	67.742	67.667
14	944.446	941.378	253.046	72.989	70.064	70.282	70.575	71.2	69.632	70.395
15	954.581	954.714	253.962	72.87	70.697	70.185	68.888	70.709	69.41	69.989
16	932.036	930.445	249.601	69.521	69.064	69.906	67.824	71.238	71.497	70.556
17	950.889	952.938	265.314	70.915	69.387	68.914	68.592	71.648	72.02	71.093
18	949.226	953.226	264.117	72.778	70.84	69.478	68.683	70.639	69.397	69.607
19	925.008	932.455	251.208	68.8	68.025	68.807	67.37	72.509	71.504	71.321
20	942.542	948.218	256.544	72.943	70.505	71.087	68.433	70.638	70.027	69.349
21	936.738	937.926	253.944	71.408	68.986	70.581	68.394	71.464	70.972	70.862
22	948.709	950.164	255.962	74.44	69.293	65.96	60.366	62.7	64.472	66.667
23	944.401	943.817	253.184	72.153	71.126	71.813	71.366	73.354	71.262	70.634
24	939.693	940.424	248.041	71.037	70.77	75.437	72.524	75.139	74.89	77.044
25	932.453	935.56	250.9	73.308	70.904	70.593	71.351	72.661	70.639	72.075
26	957.376	958.35	265.876	69.642	70.677	71.532	74.523	74.792	74.591	75.916
27	942.426	941.192	251.671	73.859	71.942	71.968	70.403	72.626	71.722	71.514
28	934.693	934.661	242.118	68.807	68.224	70.572	67.483	73.242	73.077	71.462
29	936.552	940.901	247.946	74.124	70.003	70.538	69.869	70.552	69.268	71.147
30	930.944	934.902	247.013	69.057	68.563	68.037	68.595	69.056	69.231	69.5
31	952.235	958.592	259.758	74.275	73.61	72.951	70.42	72.454	70.845	70.073
32	941.049	944.762	265.206	66.925	69.452	71.808	73.394	73.556	75.031	74.513
33	959.776	959.911	265.01	72.564	71.441	71.358	69.2	71.719	69.954	69.894
34	930.747	932.42	247.253	74.154	72.747	72.692	70.566	74.693	71.875	72.188
35	943.239	946.905	264.044	71.332	71.144	71.033	68.584	71.182	70.442	70.903
36	941.759	947.589	256	70.291	70.688	71.296	72.901	71.45	72.36	71.576
37	935.751	939.162	248.03	72.423	70.514	71.086	70.886	71.189	72.623	72.139
38	949.992	952.26	250.755	72.604	73.727	76.747	74.146	73.513	74.558	73.729

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OCL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-26	26-29	29-32	32-35	35-38	38-41	41-44	44-47	47-2	1-3
Unit	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	uH
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	350
Average =	74.23	70.21	67.69	70.98	71.85	71.26	71.73	71.64	72.17	1,008.01
STD DEV =	3.01	2.01	1.88	2.20	1.99	1.94	2.21	2.41	2.96	53.36
Cpu										
Cpl	7.11	9.98	10.25	9.22	10.38	10.53	9.30	8.54	7.00	4.11
Cpk	7.11	9.98	10.25	9.22	10.38	10.53	9.30	8.54	7.00	4.11
DATA	-	-	-	-	-	-	-	-	-	-
1	71.471	69.685	65.171	69.781	70.924	69.013	68.324	66.885	66.01	950.123
2	69.061	68.697	65.782	67.71	69.811	70.035	70.352	71.51	72.258	1028.252
3	74.369	68.206	65.491	70.669	68.91	68.955	68.655	66.779	67.481	899.361
4	71.311	68.555	65.945	69.345	70.085	68.33	68.18	66.685	68.684	1025.265
5	71.306	68.965	67.354	69.233	69.346	68.502	70.046	71.743	72.919	1059.096
6	68.023	62.719	61.042	64.977	67.932	68.982	71.295	68.995	69.591	1090.61
7	76.189	69.53	67.542	72.721	74.688	71.313	70.014	71.711	72.044	1039.055
8	69.927	67.092	64.469	68.798	70.699	69.445	67.775	66.396	65.185	1047.389
9	76.583	70.176	68.443	71.748	73.203	69.836	74.455	74.133	73.084	997.691
10	77.849	72.276	68.956	72.379	72.935	71.786	68.779	66.688	63.595	1007.205
11	71.047	68.336	67.188	69.554	69.941	70.086	69.579	71.11	70.585	972.812
12	75.836	71.603	68.177	70.211	69.284	66.923	68.923	70.171	72.346	983.546
13	71.29	67.17	66.506	69.028	72.502	72.291	71.5	72.865	73.749	1055.571
14	71.47	69.682	69.03	71.677	70.365	69.658	68.853	72.181	75.883	1065.544
15	73.024	71.239	68.97	70.329	70.496	72.155	73.223	71.57	75.977	1084.824
16	76.365	69.313	67.845	68.884	69.798	72.471	71.426	71.605	72.058	1017.054
17	72.908	69.032	64.59	68.043	73	69.727	71.923	74.504	76.325	899.524
18	70.754	68.712	68.03	69.803	71.601	71.352	72.423	74.894	74.949	964.704
19	77.102	70.749	67.974	68.679	69.572	69.899	70.001	71.077	69.753	1042.537
20	73.786	69.386	66.74	69.921	70.128	69.738	71.17	70.734	74.574	1052.006
21	75.986	70.649	68.192	71.659	72.747	71.883	71.144	72.589	72.212	974.822
22	73.18	71.431	70.949	76.19	76.979	75.234	74.395	71.43	72.64	1077.317
23	74.052	71.215	67.473	72.95	73.617	72.598	75.131	75.859	73.387	993.334
24	78.472	72.654	68.775	72.327	72.47	70.279	71.973	71.757	72.354	1042.206
25	73.974	70.653	67.056	70.189	71.327	72.149	71.802	69.947	72.825	880.493
26	84.667	72.88	69.082	73.038	72.809	73.76	76.671	74.587	73.87	1022.071
27	75.956	69.751	66.861	71.114	71.818	73.006	74.096	73.432	74.585	1032.469
28	76.559	72.71	68.519	71.658	72.599	71.724	73.11	73.909	75.777	1033.009
29	72.672	69.931	68.916	71.791	72.701	72.72	71.961	73.532	73.54	964.142
30	75.992	74.016	70.742	77.171	76.82	75.493	76.305	74.676	70.74	1030.223
31	75.599	71.557	67.979	72.898	72.749	73.443	72.59	73.359	74.338	944.482
32	75.869	72.398	69.928	73.132	71.71	70.867	72.848	73.135	75.506	981.139
33	75.624	70.924	67.962	71.684	71.994	70.124	71.092	71.122	70.551	1063.662
34	74.657	71.899	68.658	71.855	71.839	72.653	73.148	73.089	74.932	1054.273
35	73.261	70.747	70.022	71.265	72.902	71.816	72.148	72.351	70.971	1030.605
36	75.441	71.54	69.556	72.872	73.79	72.73	73.304	71.639	74.265	905.988
37	75.418	70.463	68.848	70.11	71.749	72.298	73.633	71.509	71.845	968.346
38	73.707	71.498	67.476	71.711	74.539	74.485	73.532	72.326	71.051	1023.646

Parameter	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	4-6	7-9	10-12	13-15	16-18	19-21	22-24	1-3	46-48	4-6
Unit	uH	uH	uH	uH	uH	uH	uH	*1	*1	*1
HighLimit								1.02	1.02	1.02
LowLimit	350	350	350	350	350	350	350	0.98	0.98	0.98
Average =	1,008.85	918.77	985.30	945.14	989.98	953.98	1,017.32	1.00	1.00	1.00
STD DEV =	39.22	66.96	52.89	47.41	46.26	57.72	50.87	0.00	0.00	0.00
Cpu								41.59	19.85	41.59
Cpl	5.60	2.83	4.00	4.18	4.61	3.49	4.37	41.70	19.59	41.70
Cpk	5.60	2.83	4.00	4.18	4.61	3.49	4.37	41.59	19.59	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	895.775	753.016	1010.428	1005.614	988.125	822.133	1086.946	1	0.999	1
2	1022.366	980.974	969.089	983.393	946.558	962.172	994.493	1	1	1
3	1030.434	916.4	946.167	789.331	847.585	988.189	1030.697	1	0.999	1
4	1074.99	965.444	970.349	978.37	978.782	999.182	1027.543	1	1	1
5	950.78	873.762	1008.106	978.463	1038.795	966.767	893.966	1	1	1
6	1075.507	995.692	1026.454	866.315	1039.533	994.178	1049.631	1	1	1
7	1016.135	792.581	1023.138	961.001	1042.612	997.92	991.458	1	1	1
8	1026.445	879.049	999.066	995.921	1018.326	993.438	961.955	1	1	1
9	1006.236	942.71	1038.113	936.7	987.949	986.437	948.029	1	1	1
10	984.404	898.168	949.957	981.979	1023.544	979.907	1049.354	1	1	1
11	960.338	945.251	1017.996	949.862	1005.632	960.978	1025.543	1	1	1
12	991.568	780.848	1012.8	938.238	1030.115	820.312	1067.623	1	0.999	1
13	995.352	904.709	935.807	974.045	1062.114	974.725	908.796	1	1	1.001
14	970.218	964.521	1016.419	967.291	1060.094	954.004	961.4	1	1	1
15	1040.536	795.909	1034.202	974.292	939.33	982.329	1001.35	1	1	1
16	1004.418	965.535	928.831	984.684	1010.634	1005.867	1038.541	1	1	1
17	1014.843	987.501	910.325	989.472	985.611	993.134	1087.919	1	0.999	1
18	1025.265	883.784	978.971	932.315	1002.111	1021.44	1027.43	1	0.999	1
19	1055.142	949.018	1037.004	949.831	1014.155	953.87	1046.762	1	1	1
20	1009.08	990.625	988.694	946.474	997.7	949.008	1048.937	1	1	1
21	1043.103	942.79	1050.676	942.801	987.082	853.117	1075.537	1	1	1
22	936.641	881.512	874.877	919.354	914.785	945.323	1005.847	1.001	1	1
23	995.762	922.587	1034.638	802.574	874.412	958.221	1048.509	1	1	1
24	1011.909	970.96	975.685	970.029	1002.316	983.246	1011	1	1	1
25	1046.742	943.644	957.041	904.243	955.843	996.883	1023.168	1	1	1
26	1025.239	1005.908	934.321	939.133	987.799	921.84	1014.283	1	1	1
27	1051.685	941.929	1052.234	990.806	965.8	953.13	1068.21	1	1	1
28	994.875	979.679	971.079	909.113	1012.458	946.244	977.905	1	1	1
29	1018.267	972.117	966.829	993.528	1022.777	776.934	1025.838	1	1	1
30	1019.162	979.818	989.695	935.917	1030.121	963.597	1051.432	1	1	1
31	902.031	754.02	1008.76	997.264	983.886	827.642	1078.21	1	1	1
32	1010.003	935.209	1045.757	926.872	986.74	982.167	939.146	1	1	1
33	1020.381	936.654	949.311	946.217	973.936	961.295	1027.942	1	1	1
34	1007.585	870.517	990.382	924.272	996.183	1011.623	982.556	1	1	1
35	1018.814	925.335	1055.012	969.321	988.158	906.996	1021.52	1	1	1
36	1023.894	954.639	789.078	938.572	944.186	990.449	904.779	1	1	1
37	1010.454	959.759	998.691	881.143	927.146	989.976	1097.315	1	1	1
38	1049.845	870.852	995.364	940.722	1046.433	976.593	1056.439	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	45-43	7-9	40-42	10-12	39-37	13-15	34-36	16-18	33-31	19-21
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	13.79	41.59	13.04	41.59	41.59	41.59	13.37	41.59	41.59	41.59
Cpl	13.22	41.70	13.78	41.70	41.70	41.70	13.91	41.70	41.70	41.70
Cpk	13.22	41.59	13.04	41.59	41.59	41.59	13.37	41.59	41.59	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	1	1	1	1	1.001	1	1	1
2	0.999	1	1.001	1	1	1	1	1	1	1
3	0.999	1	1.001	1	1	1	1	1	1	1
4	0.999	1	1.001	1	1	1	1	1	1	1
5	0.999	1	1	1	1	1	1.001	1	1	1
6	0.999	1	1.001	1	1	1	1	1	1	1
7	0.999	1	1	1	1	1	1	1	1	1
8	0.999	1	1	1	1	1	1.001	1	1	1
9	0.999	1	1.001	1	1.001	1	1	1	1	1
10	0.999	1	1	1	1	1	1	1	1	1.001
11	1	1	1.001	1	1	1.001	1.001	1	1	1
12	0.999	1	1	1	1	1	1.001	1	1	1
13	1	1.001	1	1	1	1	1.001	1	1	1
14	0.999	1	1.001	1.001	1	1	1.001	1.001	1	1
15	1	1	1	1	1	1	1	1	1	1
16	1	1	1.001	1	1	1	1.001	1	1	1
17	1	1	1.001	1	1	1	1.001	1	1	1
18	1	1	1	1	1	1	1	1	1	1
19	1	1	1.001	1	1	1	1.001	1	1	1
20	1	1	1.001	1	1	1	1	1	1	1
21	1	1	1.001	1	1	1	1	1	1	1
22	1	1	1.001	1	1	1	1	1	1	1
23	0.999	1	1.001	1	1	1	1	1	1	1
24	1	1	1.001	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1
26	1	1	1.001	1	1	1	1	1	1	1
27	1	1	1.001	1	1	1	1.001	1	1	1
28	0.999	1	1.001	1	1	1	1	1	1	1
29	1	1	1.001	1	1	1	1.001	1	1	1
30	1	1	1.001	1	1	1	1.001	1	1	1
31	0.999	1	1	1	1	1	1.001	1	1	1
32	1	1	1	1	1	1	1	1	1	1
33	1	1	1	1	1	1	1	1	1	1
34	0.999	1	1	1	1	1	1	1	1	1
35	1	1	1	1	1	1	1	1	1	1
36	1	1	1.001	1	1	1	1	1	1	1
37	1	1	1	1	1	1	1	1	1	1
38	1	1	1	1	1	1	1.001	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	28-30	22-24	27-25	1-2	2-3	4-5	5-6	7-8	8-9	10-11
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	13.85	41.70	20.77	41.70	31.27	41.70	41.70	41.70	41.59	41.59
Cpl	14.83	41.59	20.88	41.59	28.44	41.59	41.59	41.59	41.70	41.70
Cpk	13.85	41.59	20.77	41.59	28.44	41.59	41.59	41.59	41.59	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	0.999	1	1	1	1	1
2	1.001	1	1	1	0.999	1	1	1	1	1
3	1.001	1	1	1	1	1	1	1	1	1
4	1.001	1	1	1	0.999	1	1	1	1	1
5	1.001	1	1	1	0.999	1	1	1	1	1
6	1.001	1	1	1	0.999	0.999	1	1	1	1
7	1.001	1	1	1	0.999	1	1	1	1	1
8	1.001	1	0.999	1	0.999	1	1	1	1.001	1
9	1.001	1	1	1	0.999	1	1	1	1	1
10	1	1	1	1	0.999	1	1	1	1	1
11	1.001	1	1	1	0.999	1	1	0.999	1	1
12	1	1	1	0.999	0.999	1	1	1	1	1
13	1.001	1	1	1	0.999	1	1	1	1	1.001
14	1.001	1	1	1	0.999	1	0.999	1	1	1
15	1.001	0.999	1	1	0.999	1	1	1	1	1
16	1.001	1	1	1	0.999	1	1	1	1	1
17	1.001	1	1.001	1	1	1	1	1	1	1
18	1.001	1	1	1	0.999	1	1	1	1	1
19	1.001	1	1	1	0.999	1	1	1	1	1
20	1.001	1	1	1	0.999	1	1	1	1	1
21	1	1	1	1	0.999	1	1	1	1	1
22	1	1	1	1	0.999	1	1	1	1	1
23	1	1	1	1	0.999	1	1	1	1	1
24	1.001	1	1	1	0.999	1	1	1	1	1
25	1.001	1	1	1	0.999	1	1	1	1	1
26	1.001	1	1	1	0.999	1	1	1	1	1
27	1	1	1	1	0.999	1	1	1	1	1
28	1.001	1	1	1	0.999	1	1	1	1	1
29	1	1	1	1	0.999	1	1	1	1	1
30	1.001	1	1	1	0.999	1	1	1	1	1
31	1	1	1.001	1	0.999	1	1	1	1	1
32	1.001	1	1	1	0.999	1	1	1	1	1
33	1.001	1	1	1	0.999	1	1	1	1	1
34	1.001	1	1	1	0.999	1	1	1	1	1
35	1	1	1	1	0.999	1	1	1	1	1
36	1.001	1	1	1	0.999	1	1	1	1	1
37	1	1	1.001	1	0.999	1	1	1	1	1
38	1	1	1	1	0.999	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-12	13-14	14-15	16-17	17-18	19-20	20-21	22-23	23-24	25-26
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	41.59	41.59	43.68	41.59	41.59	41.59	41.70	41.59	13.00	41.70
Cpl	41.70	41.70	39.62	41.70	41.70	41.70	41.59	41.70	13.67	41.59
Cpk	41.59	41.59	39.62	41.59	41.59	41.59	41.59	41.59	13.00	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	0.999	1	1	1	1	1	1.001	1
2	1	1	0.999	1	1	1	1	1	1.001	1
3	1	1	0.999	1	1	1	1	1	1.001	1
4	1	1	0.999	1	1	1	1	1	1.001	1
5	1	1	0.999	1	1	1	1	1	1	1
6	1	1	0.999	1	1	1	1	1	1	1
7	1.001	1	0.999	1	1.001	1	1	1	1	1
8	1	1	0.999	1	1	1	1	1.001	1	1
9	1	1	0.999	1	1	1	1	1	1	1
10	1	1	0.999	1	1	1	1	1	1.001	1
11	1	1	0.999	1	1	1	1	1	1.001	1
12	1	1	1	1	1	1	1	1	1.001	1
13	1	1	0.999	1	1	1.001	1	1	1	1
14	1	1.001	0.999	1.001	1	1	1	1	1.001	0.999
15	1	1	0.999	1	1	1	1	1	1.001	1
16	1	1	0.999	1	1	1	1	1	1	1
17	1	1	0.999	1	1	1	1	1	1	1
18	1	1	0.999	1	1	1	1	1	1.001	1
19	1	1	0.999	1	1	1	1	1	1.001	1
20	1	1	0.999	1	1	1	1	1	1.001	1
21	1	1	0.999	1	1	1	1	1	1.001	1
22	1	1	0.999	1	1	1	1	1	1	1
23	1	1	0.999	1	1	1	1	1	1	1
24	1	1	0.999	1	1	1	1	1	1	1
25	1	1	0.999	1	1	1	1	1	1.001	1
26	1	1	0.999	1	1	1	1	1	1	1
27	1	1	0.999	1	1	1	1	1	1.001	1
28	1	1	0.999	1	1	1	1	1	1	1
29	1	1	0.999	1	1	1	0.999	1	1	1
30	1	1	0.999	1	1	1	1	1	1.001	1
31	1	1	0.999	1	1	1	1	1	1.001	1
32	1	1	0.999	1	1	1	1	1	1	1
33	1	1	0.999	1	1	1	1	1	1	1
34	1	1	0.999	1	1	1	1	1	1	1
35	1	1	0.999	1	1	1	1	1	1	1
36	1	1	0.999	1	1	1	1	1	1	1
37	1	1	0.999	1	1	1	1	1	1.001	1
38	1	1	0.999	1	1	1	1	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	26-27	28-29	29-30	31-32	32-33	34-35	35-36	37-38	38-39	40-41
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	45.76	41.70	19.85	41.70	13.91	41.70	41.70	41.70	43.68	41.59
Cpl	37.54	41.59	19.59	41.59	13.37	41.59	41.59	41.59	39.62	41.70
Cpk	37.54	41.59	19.59	41.59	13.37	41.59	41.59	41.59	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	0.998	1	0.999	1	1	1	1	1	0.999	1
2	0.998	1	1	1	1	1	1	1	0.999	1
3	0.998	1	1	1	1	1	0.999	1	0.999	1
4	0.998	1	1	1	1	1	1	1	0.999	1
5	0.998	1	1	1	1	1	1	1	0.999	1
6	0.998	1	1	1	0.999	1	1	1	0.999	1
7	0.998	1	1	1	1	1	1	1	0.999	1
8	0.998	1	1	0.999	1	1	1	1	0.999	1
9	0.998	1	1	1	1	1	1	1	0.999	1
10	0.998	1	1	1	1	1	1	1	0.999	1
11	0.998	1	1	1	1	1	1	1	0.999	1
12	0.999	1	1	1	1	0.999	1	0.999	0.999	1.001
13	0.998	1	1	1	0.999	1	1	1	0.999	1
14	0.998	1	1	1	1	1	1	1	0.999	1
15	0.998	1	1	1	1	1	1	1	0.999	1
16	0.998	1	1	1	1	1	1	1	0.999	1
17	0.998	1	1	1	0.999	1	1	1	0.999	1
18	0.998	1	1	1	1	1	1	1	0.999	1
19	0.998	0.999	1	1	0.999	1	1	1	0.999	1
20	0.998	1	1	1	0.999	1	1	1	0.999	1
21	0.998	1	0.999	1	1	1	1	1	0.999	1
22	0.998	1	1	1	1	1	1	1	0.999	1
23	0.998	1	1	1	1	1	1	1	0.999	1
24	0.998	1	1	1	0.999	1	1	1	0.999	1
25	0.998	1	1	1	0.999	1	1	1	0.999	1
26	0.998	1	1	1	1	1	1	1	0.999	1
27	0.998	1	1	1	1	1	1	1	0.999	1
28	0.998	1	1	1	1	1	1	1	0.999	1
29	0.998	1	0.999	1	0.999	1	1	1	0.999	1
30	0.998	1	1	1	0.999	1	1	1	0.999	1
31	0.998	1	0.999	1	0.999	1	1	1	0.999	1
32	0.998	1	1	1	1	1	1	1	0.999	1
33	0.998	1	1	1	0.999	1	1	1	0.999	1
34	0.998	1	0.999	1	1	1	1	1	0.999	1
35	0.998	1	1	1	0.999	1	1	1	0.999	1
36	0.998	1	1	1	0.999	1	1	1	1	1
37	0.998	1	1	1	0.999	1	1	1	0.999	1
38	0.998	1	1	1	0.999	1	1	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1	CH1 IL-1	H1 IL-1 Phas
Condition:	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins	41-42	43-44	44-45	46-47	47-48					
Unit	*1	*1	*1	*1	*1	dB	dB	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02					
LowLimit	0.98	0.98	0.98	0.98	0.98	-1	-0.8	-0.8	-1.6	-60
Average =	1.00	1.00	1.00	1.00	1.00	-0.11	-0.20	-0.22	-0.38	-28.04
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.06	1.23
Cpu	41.59	41.59	14.94	41.59	37.54					
Cpl	41.70	41.70	15.34	41.70	45.76	34.82	17.81	12.65	7.03	8.64
Cpk	41.59	41.59	14.94	41.59	37.54	34.82	17.81	12.65	7.03	8.64
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1.001	1	1.002	-0.125	-0.211	-0.226	-0.564	-31.103
2	1	1	1.001	1	1.002	-0.109	-0.206	-0.21	-0.354	-27.773
3	1	1	1.001	1	1.002	-0.109	-0.205	-0.211	-0.415	-28.833
4	1	1	1.001	1	1.002	-0.111	-0.199	-0.195	-0.41	-29.048
5	1	1	1.001	1	1.002	-0.112	-0.207	-0.22	-0.357	-27.527
6	1	1	1.001	1	1.002	-0.111	-0.205	-0.227	-0.349	-26.928
7	1	1	1.001	1	1.002	-0.115	-0.198	-0.211	-0.447	-29.575
8	1.001	1	1.001	1	1.002	-0.099	-0.207	-0.215	-0.326	-26.676
9	1	1	1.001	1	1.002	-0.11	-0.191	-0.194	-0.346	-27.447
10	1	1	1.001	1	1.001	-0.107	-0.188	-0.197	-0.409	-28.835
11	1	1	1	1	1.002	-0.139	-0.21	-0.206	-0.312	-26.764
12	1	1.001	1	1.001	1.002	-0.106	-0.212	-0.222	-0.341	-27.402
13	1	1	1	1	1.002	-0.107	-0.191	-0.204	-0.383	-28.707
14	1	1	1	1	1.002	-0.112	-0.196	-0.223	-0.328	-26.607
15	1	1	1	1	1.002	-0.114	-0.209	-0.227	-0.344	-26.806
16	1	1	1	1	1.002	-0.106	-0.188	-0.211	-0.371	-27.856
17	1	1	1	1	1.002	-0.11	-0.198	-0.225	-0.337	-26.565
18	1	1	1	1	1.002	-0.104	-0.202	-0.206	-0.39	-28.26
19	1	1	1	1	1.002	-0.119	-0.217	-0.235	-0.347	-26.223
20	1	1	1	1	1.002	-0.1	-0.199	-0.213	-0.346	-27.74
21	1	1	1	1	1.002	-0.105	-0.191	-0.196	-0.421	-29.103
22	1	1	1	1	1.002	-0.115	-0.207	-0.221	-0.374	-28.137
23	1	1	1	1	1.002	-0.11	-0.203	-0.214	-0.389	-27.872
24	1	1	1	1	1.002	-0.101	-0.195	-0.212	-0.353	-27.135
25	1	1	1	1	1.002	-0.107	-0.188	-0.213	-0.422	-29.281
26	1	1	1	1	1.002	-0.107	-0.212	-0.231	-0.362	-27.528
27	1	1	1	1	1.002	-0.14	-0.254	-0.29	-0.426	-27.286
28	1	1	1	1	1.002	-0.107	-0.2	-0.215	-0.501	-30.752
29	1	1	1	1	1.002	-0.104	-0.212	-0.212	-0.394	-28.902
30	1	1	1	1	1.002	-0.106	-0.206	-0.223	-0.338	-26.742
31	1	1	1	1	1.002	-0.113	-0.206	-0.213	-0.428	-29.104
32	1	1	1	1	1.002	-0.102	-0.204	-0.222	-0.333	-26.704
33	1	1	1	1	1.002	-0.109	-0.206	-0.212	-0.362	-27.739
34	1	1	1	1	1.002	-0.109	-0.201	-0.219	-0.395	-28.911
35	1	1	1	1	1.002	-0.11	-0.198	-0.216	-0.567	-31.086
36	1	1	1	1	1.002	-0.108	-0.208	-0.224	-0.35	-27.639
37	1	1	1	1	1.002	-0.11	-0.194	-0.214	-0.361	-27.162
38	1	1	1	1	1.002	-0.102	-0.207	-0.216	-0.357	-27.665

Parameter	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	H1 IL-2 Phas	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	H1 IL-3 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.11	-0.20	-0.22	-0.39	-29.30	-0.13	-0.20	-0.22	-0.39	-26.35
STD DEV =	0.01	0.01	0.01	0.04	0.98	0.02	0.02	0.03	0.08	1.31
Cpu										
Cpl	37.94	23.11	17.42	9.78	10.44	12.83	8.20	6.12	5.22	8.56
Cpk	37.94	23.11	17.42	9.78	10.44	12.83	8.20	6.12	5.22	8.56
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.108	-0.209	-0.216	-0.463	-31.292	-0.135	-0.213	-0.227	-0.344	-24.758
2	-0.109	-0.195	-0.213	-0.415	-29.947	-0.154	-0.244	-0.271	-0.412	-25.572
3	-0.116	-0.199	-0.227	-0.348	-28.155	-0.148	-0.218	-0.248	-0.41	-26.523
4	-0.115	-0.202	-0.212	-0.394	-29.868	-0.133	-0.207	-0.219	-0.372	-25.724
5	-0.124	-0.211	-0.224	-0.371	-29.036	-0.175	-0.243	-0.274	-0.593	-29.075
6	-0.113	-0.21	-0.226	-0.323	-27.62	-0.1	-0.176	-0.185	-0.309	-24.783
7	-0.129	-0.21	-0.22	-0.396	-29.57	-0.103	-0.176	-0.18	-0.33	-25.904
8	-0.131	-0.205	-0.225	-0.423	-29.423	-0.106	-0.176	-0.186	-0.311	-24.964
9	-0.105	-0.203	-0.218	-0.349	-28.962	-0.159	-0.232	-0.244	-0.522	-28.182
10	-0.114	-0.198	-0.211	-0.382	-29.604	-0.128	-0.2	-0.205	-0.385	-26.378
11	-0.111	-0.203	-0.225	-0.355	-28.184	-0.113	-0.193	-0.204	-0.315	-24.927
12	-0.114	-0.196	-0.212	-0.4	-29.458	-0.101	-0.177	-0.187	-0.304	-25.214
13	-0.108	-0.194	-0.214	-0.375	-29.088	-0.153	-0.226	-0.242	-0.463	-27.305
14	-0.104	-0.203	-0.205	-0.353	-28.994	-0.123	-0.198	-0.207	-0.363	-26.366
15	-0.114	-0.196	-0.225	-0.355	-28.295	-0.11	-0.189	-0.191	-0.33	-25.875
16	-0.118	-0.191	-0.215	-0.361	-28.667	-0.133	-0.212	-0.233	-0.418	-26.623
17	-0.105	-0.193	-0.209	-0.348	-27.764	-0.106	-0.183	-0.2	-0.3	-24.643
18	-0.11	-0.192	-0.214	-0.514	-31.434	-0.104	-0.183	-0.194	-0.3	-24.432
19	-0.132	-0.213	-0.233	-0.419	-31.022	-0.107	-0.186	-0.194	-0.33	-25.351
20	-0.127	-0.212	-0.248	-0.376	-28.338	-0.172	-0.242	-0.285	-0.509	-27.745
21	-0.118	-0.208	-0.219	-0.373	-28.909	-0.142	-0.217	-0.231	-0.466	-27.087
22	-0.115	-0.193	-0.215	-0.395	-29.202	-0.156	-0.241	-0.263	-0.429	-26.086
23	-0.124	-0.206	-0.239	-0.364	-27.834	-0.131	-0.197	-0.213	-0.437	-27.57
24	-0.108	-0.198	-0.218	-0.343	-28.63	-0.118	-0.186	-0.193	-0.484	-28.008
25	-0.127	-0.231	-0.246	-0.467	-30.366	-0.111	-0.185	-0.184	-0.345	-26.603
26	-0.123	-0.216	-0.227	-0.405	-30.037	-0.135	-0.207	-0.235	-0.378	-25.728
27	-0.114	-0.194	-0.214	-0.481	-30.562	-0.106	-0.186	-0.211	-0.315	-24.905
28	-0.107	-0.195	-0.208	-0.346	-28.345	-0.124	-0.193	-0.207	-0.548	-29.329
29	-0.109	-0.195	-0.22	-0.374	-29.051	-0.127	-0.206	-0.213	-0.39	-26.937
30	-0.113	-0.199	-0.218	-0.349	-28.381	-0.107	-0.166	-0.179	-0.489	-28.439
31	-0.126	-0.217	-0.248	-0.388	-29.207	-0.111	-0.19	-0.19	-0.351	-26.159
32	-0.114	-0.204	-0.219	-0.361	-28.75	-0.11	-0.17	-0.18	-0.332	-25.844
33	-0.103	-0.198	-0.214	-0.397	-29.772	-0.183	-0.266	-0.303	-0.483	-26.367
34	-0.108	-0.199	-0.202	-0.381	-29.886	-0.149	-0.224	-0.238	-0.394	-26.199
35	-0.11	-0.194	-0.212	-0.355	-28.416	-0.109	-0.18	-0.181	-0.447	-28.02
36	-0.111	-0.203	-0.212	-0.42	-30.502	-0.112	-0.184	-0.201	-0.323	-24.829
37	-0.113	-0.19	-0.204	-0.418	-30.507	-0.109	-0.178	-0.19	-0.43	-28.204
38	-0.112	-0.2	-0.216	-0.42	-30.436	-0.103	-0.178	-0.199	-0.312	-24.807

Parameter	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	H1 IL-4 Phas	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	H1 IL-5 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.11	-0.18	-0.20	-0.38	-28.93	-0.10	-0.17	-0.17	-0.29	-26.53
STD DEV =	0.01	0.01	0.01	0.06	1.20	0.00	0.01	0.01	0.05	1.19
Cpu										
Cpl	52.40	28.31	22.60	7.01	8.65	88.42	27.04	18.26	8.83	9.34
Cpk	52.40	28.31	22.60	7.01	8.65	88.42	27.04	18.26	8.83	9.34
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.112	-0.184	-0.209	-0.379	-29.32	-0.111	-0.176	-0.175	-0.264	-25.668
2	-0.105	-0.192	-0.218	-0.34	-27.097	-0.103	-0.175	-0.178	-0.288	-26.734
3	-0.108	-0.188	-0.21	-0.39	-29.662	-0.103	-0.173	-0.175	-0.258	-25.987
4	-0.106	-0.184	-0.203	-0.344	-27.908	-0.102	-0.177	-0.181	-0.268	-25.674
5	-0.107	-0.179	-0.197	-0.396	-29.141	-0.112	-0.173	-0.175	-0.26	-25.42
6	-0.1	-0.171	-0.204	-0.511	-31.206	-0.105	-0.155	-0.157	-0.413	-28.964
7	-0.117	-0.2	-0.205	-0.399	-30.306	-0.104	-0.166	-0.152	-0.324	-26.973
8	-0.1	-0.178	-0.189	-0.384	-29.386	-0.102	-0.176	-0.181	-0.246	-25.697
9	-0.109	-0.189	-0.208	-0.336	-27.97	-0.098	-0.153	-0.141	-0.293	-26.231
10	-0.125	-0.202	-0.234	-0.44	-29.386	-0.099	-0.161	-0.157	-0.353	-27.994
11	-0.101	-0.19	-0.208	-0.333	-28.284	-0.102	-0.166	-0.18	-0.25	-25.408
12	-0.102	-0.183	-0.184	-0.324	-26.965	-0.102	-0.154	-0.163	-0.306	-27.695
13	-0.103	-0.188	-0.207	-0.367	-29.24	-0.099	-0.165	-0.16	-0.314	-27.745
14	-0.1	-0.169	-0.191	-0.334	-28.162	-0.101	-0.164	-0.162	-0.296	-27.056
15	-0.102	-0.192	-0.2	-0.371	-29.038	-0.104	-0.158	-0.178	-0.29	-26.369
16	-0.1	-0.188	-0.2	-0.334	-27.265	-0.098	-0.168	-0.169	-0.275	-26.058
17	-0.102	-0.182	-0.196	-0.344	-28.007	-0.099	-0.169	-0.181	-0.251	-25.043
18	-0.096	-0.175	-0.194	-0.443	-29.803	-0.1	-0.169	-0.175	-0.258	-25.74
19	-0.106	-0.185	-0.204	-0.385	-29.173	-0.098	-0.176	-0.166	-0.274	-25.854
20	-0.106	-0.185	-0.196	-0.389	-29.908	-0.098	-0.171	-0.176	-0.271	-25.994
21	-0.11	-0.181	-0.209	-0.33	-26.866	-0.099	-0.162	-0.161	-0.255	-25.161
22	-0.106	-0.183	-0.201	-0.385	-29.452	-0.101	-0.172	-0.176	-0.268	-25.93
23	-0.105	-0.19	-0.206	-0.343	-26.97	-0.102	-0.169	-0.165	-0.29	-26.327
24	-0.102	-0.176	-0.2	-0.448	-30.226	-0.098	-0.16	-0.158	-0.278	-25.742
25	-0.101	-0.184	-0.199	-0.369	-29.125	-0.101	-0.17	-0.187	-0.272	-25.845
26	-0.105	-0.174	-0.192	-0.424	-30.192	-0.101	-0.184	-0.183	-0.293	-26.819
27	-0.114	-0.189	-0.213	-0.366	-28.798	-0.106	-0.178	-0.199	-0.271	-26.001
28	-0.098	-0.179	-0.213	-0.594	-32.029	-0.1	-0.169	-0.167	-0.338	-28.315
29	-0.103	-0.18	-0.2	-0.357	-28.983	-0.102	-0.163	-0.173	-0.412	-28.981
30	-0.11	-0.192	-0.209	-0.353	-28.557	-0.102	-0.176	-0.188	-0.274	-25.873
31	-0.1	-0.182	-0.21	-0.354	-28.821	-0.095	-0.173	-0.18	-0.258	-25.794
32	-0.107	-0.188	-0.205	-0.346	-27.679	-0.1	-0.179	-0.186	-0.273	-26.167
33	-0.102	-0.193	-0.216	-0.333	-27.77	-0.098	-0.16	-0.158	-0.311	-27.172
34	-0.101	-0.176	-0.204	-0.529	-30.897	-0.099	-0.154	-0.168	-0.481	-30.483
35	-0.104	-0.187	-0.204	-0.337	-27.685	-0.099	-0.163	-0.173	-0.285	-26.12
36	-0.104	-0.184	-0.208	-0.386	-29.503	-0.1	-0.179	-0.177	-0.263	-25.572
37	-0.111	-0.185	-0.207	-0.385	-29.024	-0.105	-0.165	-0.165	-0.335	-27.914
38	-0.114	-0.196	-0.204	-0.382	-29.532	-0.098	-0.173	-0.182	-0.261	-25.582

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6	CH1 IL-6	H1 IL-6 Phas	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	H1 IL-7 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.12	-0.20	-0.22	-0.37	-29.17	-0.12	-0.21	-0.24	-0.41	-27.17
STD DEV =	0.02	0.03	0.03	0.06	1.27	0.01	0.01	0.02	0.08	1.55
Cpu										
Cpl	13.92	7.69	6.57	6.72	8.07	27.08	13.27	10.54	5.10	7.07
Cpk	13.92	7.69	6.57	6.72	8.07	27.08	13.27	10.54	5.10	7.07
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.198	-0.309	-0.32	-0.463	-28.824	-0.126	-0.221	-0.25	-0.393	-26.308
2	-0.166	-0.253	-0.275	-0.434	-29.516	-0.115	-0.21	-0.234	-0.504	-29.343
3	-0.128	-0.196	-0.22	-0.345	-27.946	-0.157	-0.258	-0.298	-0.427	-25.738
4	-0.114	-0.184	-0.208	-0.331	-28.695	-0.119	-0.191	-0.248	-0.62	-30.763
5	-0.155	-0.234	-0.272	-0.417	-29.137	-0.111	-0.209	-0.236	-0.381	-26.671
6	-0.115	-0.19	-0.209	-0.319	-28.203	-0.113	-0.21	-0.232	-0.383	-27.803
7	-0.121	-0.202	-0.228	-0.33	-28.019	-0.108	-0.196	-0.216	-0.417	-27.969
8	-0.111	-0.197	-0.21	-0.327	-28.874	-0.116	-0.209	-0.247	-0.342	-25.169
9	-0.113	-0.202	-0.213	-0.31	-27.865	-0.133	-0.225	-0.258	-0.369	-25.95
10	-0.133	-0.213	-0.235	-0.358	-28.549	-0.135	-0.224	-0.244	-0.395	-26.692
11	-0.122	-0.196	-0.211	-0.471	-32.283	-0.114	-0.214	-0.227	-0.405	-27.712
12	-0.12	-0.203	-0.215	-0.333	-28.519	-0.121	-0.214	-0.239	-0.379	-27.027
13	-0.116	-0.192	-0.215	-0.562	-32.517	-0.115	-0.205	-0.236	-0.359	-26.393
14	-0.105	-0.192	-0.202	-0.316	-27.642	-0.109	-0.206	-0.235	-0.345	-26.287
15	-0.112	-0.192	-0.201	-0.468	-32.276	-0.123	-0.222	-0.259	-0.358	-26.27
16	-0.118	-0.201	-0.201	-0.353	-29.018	-0.136	-0.232	-0.273	-0.376	-25.727
17	-0.109	-0.193	-0.21	-0.327	-27.998	-0.1	-0.216	-0.252	-0.339	-25.539
18	-0.107	-0.185	-0.217	-0.308	-27.35	-0.113	-0.205	-0.234	-0.431	-27.575
19	-0.165	-0.246	-0.292	-0.443	-28.33	-0.112	-0.193	-0.222	-0.533	-29.046
20	-0.111	-0.186	-0.203	-0.346	-28.766	-0.104	-0.19	-0.225	-0.378	-26.806
21	-0.116	-0.175	-0.201	-0.426	-30.195	-0.117	-0.195	-0.239	-0.639	-31.069
22	-0.108	-0.196	-0.209	-0.452	-31.185	-0.105	-0.198	-0.219	-0.421	-27.448
23	-0.165	-0.256	-0.293	-0.494	-30.867	-0.129	-0.232	-0.272	-0.379	-26.567
24	-0.114	-0.179	-0.2	-0.334	-29.438	-0.111	-0.205	-0.243	-0.345	-25.764
25	-0.103	-0.177	-0.189	-0.386	-30.319	-0.104	-0.188	-0.214	-0.455	-28.504
26	-0.103	-0.184	-0.209	-0.316	-28.581	-0.118	-0.219	-0.252	-0.355	-25.511
27	-0.115	-0.196	-0.206	-0.355	-29.65	-0.126	-0.227	-0.26	-0.407	-26.804
28	-0.108	-0.181	-0.205	-0.33	-28.112	-0.115	-0.212	-0.232	-0.352	-25.571
29	-0.113	-0.199	-0.206	-0.355	-29.383	-0.108	-0.187	-0.21	-0.556	-29.381
30	-0.107	-0.192	-0.215	-0.338	-28.624	-0.108	-0.206	-0.244	-0.352	-25.392
31	-0.11	-0.191	-0.213	-0.33	-28.851	-0.113	-0.223	-0.251	-0.368	-26.273
32	-0.105	-0.184	-0.213	-0.322	-27.946	-0.108	-0.207	-0.243	-0.349	-25.548
33	-0.113	-0.19	-0.201	-0.362	-29.969	-0.114	-0.207	-0.237	-0.389	-27.179
34	-0.106	-0.186	-0.203	-0.333	-28.705	-0.105	-0.188	-0.215	-0.455	-28.592
35	-0.112	-0.191	-0.213	-0.317	-27.97	-0.106	-0.199	-0.225	-0.53	-29.688
36	-0.118	-0.202	-0.21	-0.37	-29.136	-0.118	-0.229	-0.251	-0.369	-26.269
37	-0.1	-0.185	-0.193	-0.395	-30.209	-0.115	-0.203	-0.229	-0.543	-29.692
38	-0.111	-0.194	-0.204	-0.375	-29.167	-0.113	-0.209	-0.239	-0.369	-26.258

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	H1 IL-8 Phas	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-50	-40	-33	-28	-50
LowLimit	-1	-0.8	-0.8	-1.6	-60					
Average =	-0.12	-0.22	-0.25	-0.42	-29.46	-92.86	-66.20	-59.17	-53.95	-92.02
STD DEV =	0.01	0.01	0.02	0.04	0.95	7.48	4.75	3.78	3.31	4.83
Cpu						1.91	1.84	2.31	2.61	2.90
Cpl	34.40	14.58	11.86	9.03	10.73					
Cpk	34.40	14.58	11.86	9.03	10.73	1.91	1.84	2.31	2.61	2.90
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.118	-0.228	-0.261	-0.4	-29.171	-92.283	-59.941	-52.973	-45.89	-94.656
2	-0.113	-0.219	-0.245	-0.365	-27.941	-83.352	-62.082	-56.292	-53.787	-92.214
3	-0.109	-0.197	-0.248	-0.591	-32.486	-108.232	-64.993	-59.077	-58.741	-87.33
4	-0.128	-0.239	-0.264	-0.421	-29.724	-86.752	-67.132	-58.074	-48.965	-88.194
5	-0.118	-0.247	-0.277	-0.401	-29.14	-97.436	-69.199	-62.685	-53.29	-88.837
6	-0.155	-0.273	-0.312	-0.473	-29.04	-92.214	-64.058	-59.038	-55.984	-89.24
7	-0.118	-0.21	-0.232	-0.462	-30.391	-91.885	-64.144	-56.939	-47.927	-86.512
8	-0.119	-0.217	-0.249	-0.384	-28.675	-96.898	-62.199	-57.082	-54.399	-88.02
9	-0.114	-0.207	-0.232	-0.422	-30.363	-101.379	-63.522	-57.599	-54.824	-93.287
10	-0.121	-0.211	-0.241	-0.442	-29.808	-106.196	-67.011	-60.87	-57.593	-89.762
11	-0.116	-0.208	-0.237	-0.52	-31.337	-95.211	-65.09	-58.607	-56.037	-89.895
12	-0.115	-0.226	-0.235	-0.416	-30.269	-92.38	-72.566	-60.082	-50.13	-102.609
13	-0.107	-0.214	-0.245	-0.392	-29.55	-81.355	-64.913	-56.662	-47.229	-90.946
14	-0.119	-0.219	-0.258	-0.413	-29.238	-88.739	-63.622	-57.613	-54.677	-90.132
15	-0.107	-0.206	-0.237	-0.359	-27.767	-91.352	-63.162	-57.728	-55.234	-93.35
16	-0.117	-0.212	-0.247	-0.378	-28.71	-83.763	-60.539	-54.665	-52.014	-92.166
17	-0.115	-0.225	-0.254	-0.453	-29.836	-89.835	-60.137	-53.931	-51.333	-106.192
18	-0.126	-0.242	-0.271	-0.435	-29.746	-87.839	-76.923	-59.893	-49.527	-89.208
19	-0.108	-0.22	-0.255	-0.394	-28.547	-81.811	-65.867	-58.75	-53.639	-92.307
20	-0.123	-0.216	-0.247	-0.43	-29.814	-88.164	-64.008	-57.452	-55.898	-98.387
21	-0.105	-0.224	-0.254	-0.397	-28.974	-88.166	-67.983	-60.252	-56.553	-90.113
22	-0.114	-0.224	-0.256	-0.398	-29.524	-92.811	-63.519	-57.633	-54.206	-95.228
23	-0.117	-0.222	-0.26	-0.371	-28.528	-88.635	-65.937	-57.931	-55.14	-87.156
24	-0.11	-0.225	-0.254	-0.432	-29.79	-88.846	-63.648	-57.649	-56.606	-96.205
25	-0.108	-0.22	-0.26	-0.38	-27.96	-85.536	-62.72	-54.934	-46.802	-95.484
26	-0.117	-0.208	-0.236	-0.425	-29.809	-91.551	-65.41	-60.897	-57.697	-83.201
27	-0.106	-0.205	-0.234	-0.413	-29.789	-94.964	-69.491	-60.429	-52.684	-96.419
28	-0.111	-0.221	-0.249	-0.375	-28.927	-95.222	-69.446	-61.955	-57.465	-87.771
29	-0.119	-0.217	-0.252	-0.472	-30.763	-96.896	-75.133	-69.758	-56.128	-89.59
30	-0.108	-0.221	-0.237	-0.421	-29.412	-95.923	-63.924	-58.403	-54.948	-84.046
31	-0.107	-0.208	-0.239	-0.421	-29.812	-98.699	-69.784	-64.052	-58.376	-88.496
32	-0.106	-0.214	-0.233	-0.435	-30.224	-115.228	-64.558	-58.504	-55.534	-93.713
33	-0.115	-0.227	-0.266	-0.405	-29.103	-98.391	-68.084	-63.147	-57.049	-93.619
34	-0.112	-0.215	-0.25	-0.437	-30.06	-87.58	-61.983	-55.193	-53.106	-92.968
35	-0.112	-0.22	-0.257	-0.374	-27.928	-100.607	-83.83	-72.811	-55.948	-93.298
36	-0.112	-0.226	-0.256	-0.408	-29.617	-82.339	-63.569	-58.118	-55.911	-101.388
37	-0.117	-0.227	-0.273	-0.382	-28.139	-103.179	-70.44	-62.502	-52.435	-87.962
38	-0.114	-0.227	-0.264	-0.415	-29.659	-86.905	-64.893	-58.19	-56.207	-96.905

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-50	-40	-33	-28	-50	-40	-33
LowLimit										
Average =	-69.62	-63.04	-53.81	-90.24	-68.03	-61.26	-55.87	-92.44	-70.44	-64.55
STD DEV =	7.24	7.37	6.26	4.77	5.81	4.72	4.48	5.47	7.52	7.78
Cpu	1.36	1.36	1.37	2.81	1.61	2.00	2.07	2.59	1.35	1.35
Cpl										
Cpk	1.36	1.36	1.37	2.81	1.61	2.00	2.07	2.59	1.35	1.35
DATA	-	-	-	-	-	-	-	-	-	-
1	-75.441	-68.637	-70.179	-96.906	-65.405	-59.411	-56.158	-89.212	-68.703	-62.616
2	-71	-66.975	-55.633	-88.769	-67.566	-61.637	-57.902	-92.433	-67.478	-62.403
3	-75.292	-71.87	-55.236	-86.048	-69.841	-66.95	-57.523	-87.237	-65.782	-59.861
4	-60.028	-53.654	-46.303	-85.117	-67.957	-62.185	-58.263	-94.249	-79.584	-71.675
5	-60.273	-52.755	-49.809	-89.194	-66.108	-58.791	-49.418	-102.207	-77.695	-71.777
6	-85.296	-75.132	-57.567	-88.626	-69.2	-62.014	-52.435	-80.117	-50.263	-43.527
7	-64.152	-57.795	-49.946	-91.996	-70.985	-66.075	-58.32	-94.967	-73.521	-67.189
8	-71.643	-64.327	-54.51	-97.103	-69.52	-61.829	-55.784	-93.177	-70.299	-64.511
9	-68.391	-61.695	-51.257	-102.223	-65.232	-59.058	-57.174	-102.614	-71.061	-66.428
10	-66.085	-60.397	-51.72	-90.956	-66.66	-61.576	-57.943	-84.716	-58.377	-52.293
11	-78.244	-81.666	-61.618	-93.371	-66.031	-61.13	-58.641	-91.701	-68.523	-61.318
12	-67.666	-60.171	-59.322	-87.169	-65.974	-59.47	-57.303	-97.729	-69.589	-63.408
13	-64.511	-57.417	-48.921	-91.927	-69.27	-61.983	-57.394	-92.376	-77.447	-66.411
14	-71.235	-62.546	-52.269	-88.996	-71.361	-64.934	-58.301	-93.083	-66.578	-61.824
15	-67.81	-61.456	-51.181	-98.697	-67.635	-60.298	-62.833	-88	-67.575	-60.851
16	-66.727	-59.868	-50.796	-89.876	-72.306	-64.266	-61.984	-100.185	-77.804	-70.119
17	-73.045	-66.013	-54.697	-87.586	-68.441	-62.938	-56.052	-91.356	-77.297	-70.809
18	-73.18	-66.233	-62.703	-91.524	-63.254	-58.327	-55.889	-94.578	-65.556	-58.982
19	-66.164	-60.153	-52.997	-90.519	-68.595	-63.385	-59.019	-95.211	-79.061	-70.472
20	-68.088	-59.744	-50.103	-93.066	-70.88	-61.847	-50.986	-92.549	-76.211	-68.718
21	-64.335	-57.456	-48.622	-93.639	-68.226	-63.283	-62.449	-105.683	-75.523	-75.111
22	-69.388	-65.253	-55.434	-84.092	-70.921	-62.735	-55.241	-91.615	-66.387	-59.737
23	-62.153	-55.543	-47.572	-99.1	-82.215	-72.561	-57.054	-85.425	-63.107	-79.356
24	-73.642	-68.609	-57.902	-81.643	-57.545	-50.599	-43.944	-85.639	-62.729	-57.115
25	-71.497	-65.411	-53.916	-90.55	-73.198	-64.431	-53.273	-93.513	-82.145	-70.834
26	-73.367	-69.283	-66.12	-86.928	-60.731	-55.625	-54.724	-91.076	-68.661	-60.262
27	-76.648	-70.454	-64.251	-86.352	-60.944	-56.428	-54.517	-92.218	-74.033	-67.19
28	-54.68	-47.789	-41.088	-81.359	-52.697	-45.635	-39.176	-92.379	-59.771	-52.791
29	-70.977	-61.606	-51.441	-87.451	-78.821	-67.735	-53.974	-98.325	-67.951	-60.833
30	-58.572	-51.84	-44.349	-96.638	-79.196	-66.983	-55.533	-94.218	-77.903	-70.321
31	-75.263	-65.28	-53.392	-90.37	-80.075	-67.147	-55.062	-88.072	-71.214	-62.662
32	-74.721	-72.75	-56.661	-88.377	-60.977	-55.622	-53.867	-89.209	-74.025	-65.205
33	-89.063	-72.135	-58.687	-96.2	-64.209	-59.521	-60.024	-85.174	-76.989	-72.951
34	-80.424	-74.097	-62.323	-85.596	-62.249	-56.767	-58.514	-86.264	-53.644	-46.655
35	-64.254	-56.786	-47.871	-85.103	-69.561	-61.551	-60.489	-92.855	-79.005	-75.568
36	-68.154	-61.467	-52.78	-85.658	-67.177	-59.644	-57.09	-90.305	-69.27	-75.423
37	-55.593	-49.113	-42.295	-89.959	-67.893	-63.476	-51.991	-103.115	-63.084	-56.803
38	-68.38	-61.993	-53.274	-90.324	-66.141	-59.928	-56.941	-90.103	-82.875	-68.968

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-28	-50	-40	-33	-28	-50	-40	-33	-28	-50
LowLimit										
Average =	-60.09	-91.51	-64.68	-57.89	-54.10	-92.11	-63.53	-58.39	-51.32	-90.18
STD DEV =	7.64	5.86	4.85	3.80	3.73	8.14	5.50	6.24	5.63	4.56
Cpu	1.40	2.36	1.69	2.19	2.33	1.72	1.43	1.36	1.38	2.94
Cpl										
Cpk	1.40	2.36	1.69	2.19	2.33	1.72	1.43	1.36	1.38	2.94
DATA	-	-	-	-	-	-	-	-	-	-
1	-68.557	-93.39	-64.262	-57.87	-56.554	-91.917	-69.504	-63.196	-53.332	-88.164
2	-54.184	-86.629	-64.022	-57.946	-54.873	-90.286	-57.626	-52.323	-45.141	-96.65
3	-56.315	-93.08	-69.371	-61.8	-55.955	-101.752	-66.629	-61.1	-51.928	-91.078
4	-58.412	-90.177	-65.234	-58.532	-55.822	-94.22	-67.025	-59.541	-49.903	-89.737
5	-61.764	-101.761	-57.425	-51.553	-48.897	-104.089	-60.568	-59.252	-56.648	-92.002
6	-58.069	-91.003	-75.144	-66.786	-57.634	-94.078	-63.022	-56.67	-57.036	-90.338
7	-57.447	-92.826	-68.484	-62.737	-60.432	-94.214	-67.163	-59.889	-50.767	-91.58
8	-62.179	-104.345	-79.883	-63.223	-52.955	-90.008	-71.134	-68.043	-56.957	-87
9	-58.025	-91.099	-70.282	-63.085	-57.894	-81.369	-66.904	-60.99	-52.284	-89.714
10	-46.304	-86.215	-70.553	-65.231	-61.648	-89.728	-58.703	-52.821	-46.398	-91.082
11	-59.381	-85.416	-56.939	-51.022	-47.914	-79.93	-54.436	-48.555	-42.407	-86.671
12	-55.322	-102.624	-68.292	-61.098	-60.153	-94.652	-66.183	-59.427	-51.27	-95.494
13	-56.097	-85.099	-68.731	-57.36	-46.797	-93.301	-58.61	-51.822	-47.662	-93.529
14	-53.782	-86.027	-63.33	-58.265	-56.846	-115.211	-65.855	-61.555	-53.349	-89.735
15	-53.056	-89.592	-66.879	-57.864	-49.191	-94.894	-63.86	-65.18	-50.563	-107.269
16	-76.514	-95.489	-67.8	-62.687	-56.236	-91.208	-70.228	-67.958	-57.376	-86.246
17	-72.217	-87.969	-62.287	-56.733	-54.651	-91.403	-68.397	-63.419	-53.507	-86.923
18	-55.516	-85.939	-63.981	-58.337	-54.841	-90.108	-62.779	-56.768	-48.354	-88.34
19	-66.517	-100.617	-68.264	-61.046	-59.399	-88.524	-58.699	-52.452	-44.998	-93.611
20	-59.523	-91.686	-67.694	-61.404	-58.597	-86.933	-68.831	-65.146	-54.32	-91.338
21	-63.141	-101.249	-64.626	-56.814	-51.702	-81.305	-55.636	-48.638	-42.296	-86.154
22	-56.367	-92.166	-60.378	-54.455	-51.97	-81.731	-54.607	-48.234	-42.293	-90.153
23	-63.869	-87.251	-66.298	-60.062	-56.803	-90.147	-58.459	-60.415	-63.849	-87.404
24	-50.68	-102.618	-59.874	-53.574	-50.873	-83.048	-68.512	-63.666	-54.009	-84.463
25	-73	-101.757	-63.442	-57.417	-54.88	-115.23	-63.4	-53.624	-46.113	-91.963
26	-57.316	-87.236	-63.628	-56.857	-54.902	-91.139	-70.303	-63.604	-54.36	-91.786
27	-64.839	-83.021	-56.964	-51.672	-49.807	-98.699	-68.642	-64.568	-54.979	-89.212
28	-46.438	-87.883	-64.379	-57.781	-54.911	-100.175	-67.72	-68.777	-55.46	-86.631
29	-52.737	-93.897	-58.653	-52.698	-49.693	-84.076	-56.055	-48.981	-42.317	-86.745
30	-73.622	-95.135	-63.052	-57.476	-55.198	-92.436	-60.185	-56.622	-58.488	-86.662
31	-59.399	-88.322	-63.227	-57.724	-56.609	-92.44	-65.853	-66.203	-55.364	-80.29
32	-65.643	-90.522	-62.54	-56.027	-53.132	-84.889	-54.962	-56.216	-57.82	-86.749
33	-60.177	-87.866	-59.836	-53.067	-50.817	-94.705	-65.603	-58.632	-58.133	-91.144
34	-50.437	-85.915	-58.393	-52.22	-48.227	-87.485	-72.886	-65.396	-50.418	-89.052
35	-62.35	-91.113	-61.435	-55.892	-54.087	-92.105	-63.071	-54.951	-46.302	-85.662
36	-70.716	-85.135	-61.913	-55.945	-53.005	-102.915	-63.655	-54.013	-53.458	-92.978
37	-49.888	-86.092	-69.205	-59.25	-49.058	-78.624	-50.729	-44.001	-37.888	-93.5
38	-73.47	-89.17	-61.322	-56.174	-52.863	-91.082	-67.631	-56.055	-52.392	-99.635

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-18	-18	-18	-16	-14.4	-11	-9
LowLimit										
Average =	-65.24	-58.17	-53.41	-31.92	-31.31	-30.93	-22.63	-21.52	-17.06	-12.66
STD DEV =	5.64	4.74	4.01	2.81	3.19	3.17	1.26	1.54	1.20	0.83
Cpu	1.49	1.77	2.11	1.65	1.39	1.36	1.75	1.54	1.68	1.47
Cpl										
Cpk	1.49	1.77	2.11	1.65	1.39	1.36	1.75	1.54	1.68	1.47
DATA	-	-	-	-	-	-	-	-	-	-
1	-60.529	-54.45	-51.934	-28.523	-30.75	-35.989	-24.531	-22.806	-16.025	-12.548
2	-79.669	-69.381	-61.873	-31.576	-27.167	-26.292	-24.456	-19.549	-18.529	-12.424
3	-75.509	-59.1	-48.458	-28.292	-27.292	-30.837	-21.089	-23.449	-17.384	-13.771
4	-59.93	-53.16	-49.883	-28.694	-36.884	-36.905	-23.512	-22.672	-18.999	-12.757
5	-69.856	-61.273	-56.399	-31.265	-32.989	-26.342	-24.092	-19.832	-15.672	-13.987
6	-66.293	-58.955	-56.803	-36.665	-30.353	-32.765	-21.68	-21.134	-15.623	-12.732
7	-61.329	-53.654	-45.637	-29.321	-31.965	-34.888	-20.63	-22.064	-15.786	-11.93
8	-62.266	-55.802	-53.04	-31.077	-29.734	-29.501	-23.956	-20.485	-17.133	-12.97
9	-60.42	-54.653	-52.07	-29.022	-30.99	-26.446	-22.328	-23.643	-17.419	-13
10	-63.079	-57.187	-56.197	-32.882	-32.188	-30.538	-22.771	-19.905	-15.692	-12.953
11	-62.901	-54.567	-45.757	-33.318	-31.153	-27.026	-22.564	-23.915	-18.878	-12.086
12	-64.306	-58.182	-54.26	-28.301	-30.521	-27.46	-21.85	-20.395	-15.76	-12.03
13	-66.568	-58.528	-56.196	-36.392	-28.816	-35.746	-22.275	-20.989	-16.986	-13.08
14	-65.563	-60.23	-54.56	-30.194	-34.732	-32.392	-21.983	-21.73	-16.2	-13.279
15	-64.13	-56.941	-53.746	-28.689	-34.002	-28.223	-21.428	-20.983	-18.393	-12.061
16	-61.072	-55.188	-52.669	-34.92	-36.522	-32.02	-21.823	-22.235	-17.511	-11.426
17	-58.515	-52.719	-50.189	-35.157	-33.565	-31.328	-22.735	-21.954	-16.843	-11.587
18	-75.524	-65.537	-53.944	-30.44	-33.66	-31.771	-22.992	-20.718	-16.361	-13.954
19	-69.934	-73.408	-59.411	-29.997	-27.029	-31.436	-23.902	-22.211	-18.948	-13.786
20	-78.394	-63.58	-52.183	-30.626	-30.664	-32.223	-21.207	-23.764	-18.115	-12.188
21	-61.292	-55.96	-49.902	-34.813	-28.987	-31.502	-21.359	-23.672	-16.98	-13.378
22	-65.218	-58.92	-58.199	-28.286	-29.779	-27.639	-23.452	-19.182	-15.434	-12.79
23	-62.859	-56.602	-53.779	-30.74	-36.406	-31.935	-24.685	-19.666	-18.105	-13.461
24	-60.898	-55.075	-52.261	-32.984	-28.242	-27.537	-21.342	-20.428	-17.968	-11.889
25	-76.669	-67.15	-58.673	-30.458	-36.184	-30.919	-21.292	-21.581	-17.974	-11.979
26	-63.877	-56.917	-52.403	-36.546	-36.704	-35.852	-24.582	-19.661	-15.82	-13.62
27	-59.998	-53.861	-51.671	-32.847	-35.869	-28.672	-23.011	-23.913	-19.007	-13.022
28	-62.48	-55.863	-54.411	-35.073	-31.758	-27.674	-24.567	-20.402	-17.061	-11.521
29	-64.492	-57.335	-49.218	-31.905	-26.631	-35.302	-24.66	-23.687	-18.392	-11.421
30	-64.875	-57.998	-53.216	-32.682	-33.181	-34.194	-22.288	-19.168	-18.374	-13.949
31	-54.466	-48.533	-45.108	-28.415	-28.683	-30.291	-22.073	-21.314	-18.381	-11.639
32	-60.428	-55.221	-52.302	-34.413	-29.686	-36.305	-20.952	-23.774	-16.511	-13.917
33	-63.71	-57.388	-55.328	-35.551	-34.692	-30.415	-21.256	-22.546	-15.346	-11.234
34	-69.462	-61.478	-50.892	-28.558	-26.229	-33.89	-22.788	-19.329	-16.439	-13.452
35	-62.407	-56.09	-52.44	-28.666	-32.403	-26.596	-23.991	-22.138	-15.633	-12.867
36	-66.031	-58.399	-55.059	-34.995	-29.571	-27.004	-22.8	-20.81	-15.703	-12.741
37	-69.638	-62.873	-64.306	-33.83	-26.767	-28.42	-20.291	-19.288	-15.201	-11.384
38	-64.499	-58.333	-55.074	-36.854	-27.088	-31.115	-22.782	-22.701	-17.73	-12.314

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-11	-9	-18	-18	-18
LowLimit										
Average =	-32.13	-31.70	-32.50	-22.62	-21.38	-17.32	-12.58	-31.74	-31.12	-31.27
STD DEV =	2.54	2.85	2.84	1.35	1.43	1.15	0.73	2.52	2.89	3.30
Cpu	1.86	1.60	1.70	1.64	1.63	1.83	1.63	1.82	1.51	1.34
Cpl										
Cpk	1.86	1.60	1.70	1.64	1.63	1.83	1.63	1.82	1.51	1.34
DATA	-	-	-	-	-	-	-	-	-	-
1	-31.889	-26.67	-29.517	-22.323	-22.151	-15.728	-12.511	-32.262	-28.975	-30.96
2	-28.227	-31.509	-35.28	-24.636	-20.22	-16.311	-13.655	-29.843	-27.535	-29.539
3	-32.601	-26.623	-26.571	-20.154	-23.561	-15.786	-12.523	-33.055	-26.804	-36.627
4	-34.191	-33.206	-33.423	-22.393	-21.962	-17.331	-12.571	-36.825	-31.21	-28.333
5	-32.117	-26.511	-33.942	-23.619	-22.489	-16.643	-11.69	-28.707	-35.973	-30.677
6	-30.261	-30.649	-28.504	-20.187	-20.661	-16.823	-13.185	-28.598	-31.804	-27.918
7	-29.727	-31.807	-34.329	-22.155	-20.019	-18.981	-11.163	-34.651	-32.356	-28.667
8	-37.011	-29.799	-27.186	-23.595	-19.135	-16.248	-12.528	-30.887	-27.549	-28.582
9	-36.7	-33.635	-34.647	-20.666	-20.097	-15.58	-12.115	-28.576	-35.548	-29.882
10	-28.438	-32.885	-35.596	-21.134	-22.212	-17.069	-13.568	-34.227	-30.138	-28.669
11	-36.091	-34.826	-34.64	-24.707	-22.271	-17.559	-11.544	-31.876	-32.169	-26.883
12	-30.229	-32.248	-26.92	-23.716	-20.216	-18.227	-11.834	-34.513	-31.74	-26.621
13	-32.336	-27.028	-29.735	-21.743	-20.247	-18.379	-13.532	-28.149	-33.968	-33.082
14	-35.543	-33.031	-32.064	-22.961	-23.381	-17.618	-11.469	-28.487	-26.604	-31.258
15	-29.182	-27.775	-29.031	-21.528	-20.972	-15.498	-12.981	-28.502	-29.058	-31.972
16	-35.586	-31.751	-36.425	-23.138	-21.332	-18.864	-13.935	-28.712	-27.559	-32.255
17	-30.854	-35.502	-33.269	-20.969	-19.558	-17.211	-12.317	-31.26	-28.254	-34.869
18	-29.271	-31.155	-33.243	-22.816	-20.575	-16.79	-12.519	-34.798	-27.878	-36.614
19	-32.685	-29.766	-32.108	-23.619	-20.246	-17.583	-11.755	-32.608	-32.853	-29.731
20	-35.626	-32.887	-36.844	-24.686	-21.658	-16.904	-12.952	-32.088	-27.088	-30.863
21	-29.264	-32.369	-34.817	-21.956	-21.417	-15.665	-12.573	-34.099	-33.007	-36.268
22	-29.027	-31.203	-31.99	-21.148	-19.875	-18.797	-12.592	-36.968	-26.681	-33.555
23	-34.422	-30.689	-33.078	-23.301	-24.003	-17.008	-13.122	-33.458	-30.669	-28.244
24	-30.457	-36.232	-33.511	-22.711	-19.348	-18.932	-11.381	-32.295	-30.469	-36.8
25	-30.104	-35.764	-33.003	-22.853	-22.811	-18.712	-13.641	-29.705	-33.568	-27.052
26	-32.58	-29.536	-30.877	-22.038	-22.008	-18.82	-13.792	-35.889	-34.833	-35.587
27	-31.121	-33.493	-33.605	-24.822	-23.546	-15.928	-12.233	-34.161	-36.404	-28.484
28	-35.024	-30.564	-31.684	-20.478	-22.756	-18.517	-12.183	-32.491	-31.853	-34.196
29	-30.74	-27.82	-36.656	-23.542	-20.659	-18.444	-13.089	-29.003	-33.888	-32.928
30	-33.175	-30.809	-31.588	-23.944	-21.166	-17.213	-12.3	-29.826	-28.129	-28.431
31	-29.588	-35.054	-33.797	-24.396	-23.074	-18.899	-13.002	-32.466	-34.777	-28.244
32	-32.833	-27.247	-33.752	-22.85	-23.97	-15.632	-11.877	-29.355	-29.277	-35.941
33	-33.847	-32.023	-34.043	-23.739	-19.434	-16.455	-12.827	-30.438	-35.956	-36.926
34	-31.322	-31.153	-36.772	-20.856	-19.714	-16.861	-12.843	-31.661	-32.14	-33.499
35	-33.318	-35.093	-28.567	-20.922	-23.584	-17.187	-13.919	-32.289	-30.58	-27.229
36	-36.093	-35.259	-33.679	-22.228	-21.112	-18.646	-12.45	-34.298	-31.142	-29.49
37	-28.78	-34.886	-33.318	-24.133	-19.774	-16.249	-11.743	-28.156	-33.672	-26.906
38	-30.696	-36.17	-27.151	-23.006	-21.108	-18.877	-12.284	-30.957	-30.389	-34.473

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4	-11
LowLimit										
Average =	-22.76	-21.61	-17.14	-12.42	-32.25	-30.99	-32.26	-22.59	-21.88	-17.20
STD DEV =	1.28	1.33	1.17	0.81	2.44	3.22	2.88	1.37	1.39	1.00
Cpu	1.76	1.81	1.75	1.41	1.95	1.34	1.65	1.60	1.80	2.06
Cpl										
Cpk	1.76	1.81	1.75	1.41	1.95	1.34	1.65	1.60	1.80	2.06
DATA	-	-	-	-	-	-	-	-	-	-
1	-20.681	-21.684	-16.977	-12.344	-36.586	-28.052	-35.202	-23.52	-19.6	-17.831
2	-20.577	-21.328	-18.623	-13.173	-33.866	-29.382	-27.992	-21.948	-22.647	-18.01
3	-23.82	-21.812	-18.287	-11.675	-30.951	-30.94	-26.817	-24.097	-22.226	-16.827
4	-23.023	-21.759	-18.813	-11.802	-34.997	-36.969	-28.173	-24.117	-20.05	-16.448
5	-21.617	-19.19	-15.859	-11.495	-35.219	-36.278	-36.993	-21.54	-20.296	-18.468
6	-24.384	-21.473	-18.081	-13.734	-36.256	-31.527	-31.324	-24.657	-23.313	-18.165
7	-22.83	-20.434	-16.542	-12.636	-31.597	-36.7	-32.689	-21.671	-21.569	-17.178
8	-22.495	-22.65	-16.637	-11.913	-29.019	-26.885	-29.159	-21.071	-20.407	-18.702
9	-23.295	-23.733	-16.655	-11.373	-35.287	-30.448	-32.684	-21.831	-23.11	-15.669
10	-24.064	-23.202	-16.469	-13.863	-28.34	-36.589	-31.783	-21.861	-19.892	-15.782
11	-24.518	-20.86	-16.364	-13.547	-31.157	-30.191	-32.23	-20.217	-22.717	-17.494
12	-23.223	-23.747	-16.748	-13.264	-35.334	-26.483	-36.748	-24.06	-23.851	-16.036
13	-23.672	-21.524	-17.228	-11.299	-33.92	-29.267	-28.205	-24.851	-23.701	-18.389
14	-24.648	-21.192	-18.235	-12.956	-30.266	-28.809	-33.494	-24.157	-23.499	-17.873
15	-24.016	-21.111	-15.309	-12.391	-30.345	-29.516	-30.064	-21.469	-19.353	-15.474
16	-21.414	-21.215	-15.334	-11.362	-28.868	-27.848	-32.465	-23.578	-22.085	-17.224
17	-22.824	-21.851	-15.738	-12.298	-33.789	-31.219	-33.301	-21.73	-20.999	-16.762
18	-22.385	-20.76	-15.312	-11.476	-32.895	-34.297	-35.839	-22.282	-20.38	-17.196
19	-24.683	-21.899	-18.841	-12.942	-30.494	-31.801	-31.979	-23.506	-21.25	-17.502
20	-21.019	-19.459	-18.468	-13.088	-33.861	-28.393	-28.669	-21.056	-23.382	-16.527
21	-21.412	-23.081	-16.604	-12.471	-35.03	-28.25	-29.103	-21.291	-22.237	-17.068
22	-20.373	-23.972	-18.244	-11.722	-35.115	-29.129	-31.867	-22.288	-21.147	-16.079
23	-21.011	-21.544	-16.424	-11.531	-30.299	-32.486	-28.615	-22.921	-22.357	-15.736
24	-21.872	-21.199	-17.664	-11.309	-32.48	-36.454	-33.963	-22.643	-22.473	-16.151
25	-22.131	-20.648	-19.013	-11.202	-29.782	-36.399	-35.589	-23.271	-23.597	-18.634
26	-22.988	-21.206	-18.239	-12.524	-31.147	-26.65	-29.539	-21.829	-21.35	-16.506
27	-22.457	-23.448	-18.938	-13.332	-35.9	-32.312	-33.944	-22.473	-19.585	-17.625
28	-24.133	-20.64	-15.699	-13.666	-28.751	-34.317	-34.918	-22.907	-22.377	-17.231
29	-21.965	-19.815	-16.135	-11.944	-31.032	-35.456	-32.886	-24.405	-23.172	-18.055
30	-22.104	-20.913	-17.098	-13.233	-30.531	-31.902	-36.371	-20.537	-22.115	-17.288
31	-23.953	-23.832	-18.328	-11.741	-31.533	-29.99	-27.572	-24.695	-22.511	-18.17
32	-23.414	-23.08	-18.469	-13.059	-33.615	-31.207	-31.097	-22.75	-21.886	-15.953
33	-22.385	-23.132	-17.213	-13.388	-29.818	-27.331	-34.804	-20.364	-21.809	-17.414
34	-21.708	-23.278	-16.938	-11.609	-29.261	-31.622	-36.007	-21.556	-19.957	-18.957
35	-24.186	-21.434	-16.18	-12.503	-31.694	-28.323	-36.298	-21.11	-23.26	-18.602
36	-24.197	-19.539	-16.149	-11.788	-30.793	-30.015	-31.937	-20.864	-23.681	-17.989
37	-24.361	-20.11	-15.265	-13.265	-29.924	-26.996	-34.649	-24.406	-23.78	-17.233
38	-20.856	-19.434	-18.221	-12.92	-35.765	-27.012	-31.033	-24.836	-19.766	-15.223

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-9	-18	-18	-18	-16	-14.4	-11	-9	-18	-18
LowLimit										
Average =	-12.57	-32.70	-32.08	-31.42	-22.67	-22.09	-17.16	-12.74	-32.09	-31.60
STD DEV =	0.75	2.64	3.25	3.15	1.39	1.43	0.98	0.90	2.43	3.19
Cpu	1.58	1.86	1.44	1.42	1.60	1.79	2.10	1.39	1.93	1.42
Cpl										
Cpk	1.58	1.86	1.44	1.42	1.60	1.79	2.10	1.39	1.93	1.42
DATA	-	-	-	-	-	-	-	-	-	-
1	-13.634	-28.654	-32.271	-30.484	-21.81	-20.31	-17.409	-12.249	-32.842	-33.639
2	-12.838	-29.635	-31.871	-34.342	-20.683	-23.704	-16.181	-11.59	-30.89	-27.548
3	-13.314	-35.293	-30.512	-35.83	-23.003	-20.5	-18.715	-12.628	-33.175	-28.078
4	-12.916	-34.444	-28.208	-33.802	-20.871	-22.346	-16.361	-11.29	-29.576	-34.23
5	-13.626	-31.808	-34.965	-31.69	-21.609	-23.178	-16.834	-14.013	-28.509	-33.576
6	-11.335	-35.81	-36.983	-26.153	-24.443	-22.418	-17.594	-13.061	-33.703	-35.705
7	-11.367	-31.574	-28.931	-29.438	-21.544	-23.43	-17.033	-13.34	-29.707	-32.75
8	-11.287	-33.879	-32.394	-27.892	-22.697	-24.012	-17.241	-11.525	-31.694	-33.576
9	-12.655	-36.929	-31.194	-30.434	-23.808	-22.087	-16.293	-13.629	-30.425	-34.521
10	-12.36	-30.084	-32.186	-28.649	-22.194	-21.472	-18.671	-11.314	-29.205	-31.485
11	-11.242	-36.713	-35.47	-30.666	-21.33	-19.838	-15.765	-12.426	-31.288	-35.035
12	-12.847	-35.587	-29.41	-26.376	-24.764	-23.486	-17.765	-13.265	-33.014	-34.438
13	-11.381	-30.471	-26.216	-36.223	-24.245	-22.356	-15.897	-12.649	-31.239	-31.279
14	-12.998	-32.575	-32.359	-35.509	-21.714	-23.154	-17.495	-13.826	-34.496	-36.934
15	-11.909	-29.885	-27.91	-31.563	-24.358	-23.895	-17.898	-13.807	-28.566	-34.018
16	-13.885	-33.339	-27.463	-34.602	-23.651	-22.535	-17.823	-11.99	-34.816	-31.359
17	-12.008	-32.038	-35.931	-31.554	-21.47	-23.43	-16.609	-12.77	-29.895	-26.937
18	-13.499	-29.584	-35.6	-31.28	-24.209	-22.973	-17.655	-12.541	-33.894	-27.96
19	-12.269	-31.076	-35.947	-28.787	-20.667	-19.773	-15.99	-12.785	-35.446	-27.301
20	-12.38	-31.215	-33.54	-36.254	-23.056	-23.768	-17.301	-11.865	-29.166	-27.186
21	-12.685	-33.885	-26.417	-28.401	-20.93	-22.126	-18.877	-13.801	-35.951	-26.74
22	-13.557	-29.37	-28.555	-33.248	-24.527	-21.44	-16.452	-11.23	-32.755	-28.43
23	-13.21	-33.158	-35.642	-37.006	-20.774	-22.496	-17.815	-12.015	-31.943	-36.504
24	-12.729	-28.598	-27.431	-33.067	-22.543	-19.637	-18.095	-12.412	-36.627	-32.03
25	-12.226	-31.753	-31.893	-28.851	-20.702	-20.242	-15.323	-11.481	-34.146	-29.095
26	-12.278	-34.784	-32.13	-27.007	-23.249	-19.327	-15.283	-14.02	-28.752	-32.307
27	-11.324	-29.019	-27.535	-28.488	-22.325	-23.431	-18.004	-13.558	-30.753	-31.613
28	-12.478	-35.501	-36.19	-34.662	-24.344	-22.657	-17.611	-13.098	-30.232	-29.443
29	-13.192	-35.647	-34.867	-26.673	-24.304	-22.034	-17.276	-12.285	-30.207	-32.541
30	-12.422	-29.149	-32.103	-29.239	-24.941	-20.551	-17.565	-11.384	-30.353	-27.86
31	-12.252	-35.679	-31.66	-35.673	-21.979	-21.932	-17.856	-13.997	-33.396	-30.882
32	-13.261	-36.902	-36.119	-34.356	-23.374	-23.033	-16.769	-13.732	-28.917	-29.377
33	-11.654	-33.443	-35.188	-34.44	-24.52	-23.198	-16.425	-13.393	-31.361	-29.95
34	-13.716	-28.295	-36.621	-27.116	-23.34	-23.958	-15.427	-12.11	-32.832	-36.597
35	-12.227	-32.854	-34.513	-30.04	-20.38	-22.709	-18.947	-13.896	-36.092	-27.354
36	-12.409	-35.621	-33.938	-33.598	-21.476	-22.529	-18.286	-13.023	-31.367	-35.979
37	-13.013	-35.088	-31.544	-30.864	-23.363	-20.019	-16.358	-12.322	-35.406	-36.866
38	-13.109	-33.436	-27.192	-29.553	-22.422	-19.38	-17.138	-13.982	-36.915	-29.794

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-31.85	-22.33	-21.94	-16.74	-12.58	-32.63	-31.55	-32.32	-23.02	-21.25
STD DEV =	2.97	1.39	1.51	1.13	0.76	2.89	3.09	3.22	1.37	1.44
Cpu	1.55	1.52	1.66	1.70	1.57	1.69	1.46	1.48	1.71	1.59
Cpl										
Cpk	1.55	1.52	1.66	1.70	1.57	1.69	1.46	1.48	1.71	1.59
DATA	-	-	-	-	-	-	-	-	-	-
1	-28.696	-24.751	-21.574	-15.33	-11.268	-30.099	-26.219	-32.827	-22.28	-22.417
2	-31.407	-20.921	-23.802	-18.358	-13.989	-34.696	-33.046	-26.413	-21.076	-20.553
3	-36.638	-20.597	-23.244	-15.33	-12.835	-31.299	-36.814	-32.851	-22.978	-19.673
4	-28.317	-24.707	-23.696	-16.438	-12.475	-36.375	-33.777	-35.044	-24.601	-19.392
5	-36.638	-24.082	-20.735	-17.828	-12.188	-28.78	-32.291	-28.288	-24.164	-20.471
6	-28.699	-20.234	-23.747	-17.3	-11.646	-34.404	-33.325	-34.454	-21.22	-19.233
7	-27.869	-21.988	-20.498	-19.005	-13.4	-28.816	-34.554	-33.304	-22.73	-21.427
8	-36.452	-20.826	-22.61	-17.472	-11.519	-35.072	-35.147	-31.188	-24.213	-21.143
9	-31.539	-23.575	-23.512	-15.914	-13.204	-36.335	-35.72	-36.705	-21.541	-22.207
10	-30.528	-24.607	-23.948	-15.601	-12.909	-35.266	-27.659	-31.618	-22.438	-23.356
11	-33.458	-22.764	-23.476	-16.051	-11.289	-28.668	-29.949	-27.802	-24.667	-19.879
12	-33.596	-21.175	-19.496	-18.768	-11.799	-36.035	-28.273	-33.491	-22.132	-19.517
13	-32.172	-20.263	-23.603	-16.477	-13.179	-32.076	-28.532	-34.112	-23.413	-22.085
14	-29.265	-24.182	-23.349	-15.486	-13.002	-35.913	-28.153	-29.48	-22.8	-20.398
15	-26.974	-22.226	-22.816	-15.353	-11.891	-30.476	-26.256	-33.203	-23.811	-19.188
16	-34.869	-21.207	-19.875	-18.278	-12.336	-28.943	-29.575	-30.165	-20.421	-19.206
17	-35.149	-23.896	-21.358	-17.906	-12.16	-36.751	-27.431	-29.575	-23.027	-21.017
18	-35.08	-21.984	-23.65	-16.547	-12.622	-33.834	-30.584	-33.733	-23.104	-21.207
19	-27.126	-21.994	-20.054	-16.653	-13.88	-29.978	-33.958	-30.053	-23.997	-21.986
20	-32.066	-23.908	-20.437	-15.659	-13.39	-28.179	-27.005	-36.096	-20.785	-21.333
21	-28.378	-22.06	-21.218	-15.589	-13.693	-30.688	-26.987	-36.209	-20.94	-20.63
22	-32.068	-22.378	-22.886	-16.966	-11.179	-31.619	-30.492	-32.876	-24.221	-19.569
23	-33.51	-22.529	-22.529	-17.582	-13.293	-33.116	-35.554	-36.712	-23.69	-23.648
24	-36.176	-23.566	-22.205	-16.736	-13.1	-28.986	-29.162	-26.424	-24.853	-19.682
25	-32.29	-20.217	-20.859	-15.273	-13.065	-36.235	-30.388	-28.411	-22.923	-23.631
26	-31.429	-23.21	-20.194	-15.54	-12.158	-30.184	-30.691	-26.152	-23.358	-23.159
27	-27.573	-21.364	-20.422	-17.088	-12.328	-32.594	-29.703	-34.027	-20.356	-21.092
28	-29.347	-22.807	-23.679	-16.127	-12.331	-31.787	-31.835	-29.847	-23.103	-22.558
29	-32.9	-22.407	-22.381	-16.633	-11.833	-36.917	-32.178	-35.087	-23.117	-20.703
30	-33.288	-21.359	-22.43	-17.954	-12.846	-28.573	-29.348	-36.813	-24.879	-22.633
31	-35.226	-21.541	-19.635	-16.232	-12.55	-36.078	-34.548	-34.359	-24.288	-22.985
32	-34.197	-24.846	-23.885	-17.662	-12.698	-34.362	-32.336	-32.444	-20.373	-23.071
33	-30.805	-20.61	-20.677	-18.552	-12.644	-29.19	-34.147	-35.597	-22.791	-19.264
34	-31.688	-23.903	-20.171	-15.188	-13.428	-36.164	-32.65	-29.039	-24.013	-21.44
35	-32.679	-21.403	-19.544	-15.591	-12.624	-32.195	-36.571	-36.054	-22.556	-23.25
36	-27.128	-21.188	-22.53	-16.362	-11.371	-30.337	-34.85	-27.378	-24.917	-20.867
37	-28.868	-21.552	-19.836	-16.862	-13.744	-36.245	-33.041	-35.658	-24.711	-23.562
38	-36.097	-21.786	-23.197	-18.618	-12.147	-32.502	-36.109	-34.765	-24.423	-20.178

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	DCMR1
Condition:	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-11	-9	-18	-18	-18	-16	-14.4	-11	-9	-50
LowLimit										
Average =	-17.03	-12.80	-32.85	-31.44	-31.75	-22.32	-21.44	-16.80	-12.72	-57.24
STD DEV =	1.23	0.87	2.48	3.02	3.06	1.32	1.50	1.14	0.92	1.43
Cpu	1.64	1.46	2.00	1.48	1.50	1.60	1.56	1.70	1.35	1.69
Cpl										
Cpk	1.64	1.46	2.00	1.48	1.50	1.60	1.56	1.70	1.35	1.69
DATA	-	-	-	-	-	-	-	-	-	-
1	-18.502	-13.797	-29.384	-28.622	-27.67	-23.637	-20.811	-16.774	-14.015	-55.997
2	-16.386	-11.761	-35.343	-27.249	-30.813	-24.571	-23.858	-17.416	-13.638	-53.609
3	-16.625	-11.733	-35.899	-36.886	-35.869	-24.647	-21.672	-16.006	-12.347	-56.263
4	-18.712	-13.197	-34.627	-26.643	-36.836	-21.113	-22.093	-16.956	-12.585	-54.243
5	-15.139	-13.73	-31.3	-35.231	-29.66	-23.019	-23.493	-15.263	-12.44	-56.443
6	-15.488	-13.413	-31.65	-32.631	-35.095	-21.881	-22.289	-16.036	-13.667	-59.137
7	-18.377	-13.479	-33.656	-33.495	-28.881	-22.866	-20.257	-16.824	-13.351	-57.845
8	-15.83	-13.789	-35.49	-30.05	-27.205	-22.172	-21.268	-15.98	-12.52	-57.391
9	-16.666	-13.538	-35.658	-31.617	-33.88	-21.705	-21.053	-18.05	-13.241	-57.139
10	-16.282	-13.59	-30.642	-33.127	-30.607	-23.269	-22.985	-15.545	-11.227	-60.576
11	-17.093	-12.499	-34.862	-32.439	-35.224	-21.311	-19.805	-18.479	-13.9	-55.657
12	-17.239	-11.685	-33.816	-32.58	-30.445	-22.915	-20.312	-16.954	-11.491	-56.167
13	-17.91	-11.466	-36.559	-36.802	-27.404	-23.788	-22.813	-18.451	-13.754	-57.116
14	-16.064	-13.307	-34.883	-30.028	-32.872	-23.765	-23.139	-15.605	-13.636	-56.417
15	-16.382	-13.188	-34.674	-34.973	-32.654	-24.551	-23.071	-17.951	-13.681	-61.117
16	-15.442	-11.841	-30.318	-32.025	-26.794	-20.238	-19.278	-17.643	-13.743	-58.662
17	-18.707	-13.463	-30.333	-35.576	-29.044	-22.695	-20.354	-15.491	-11.452	-57.507
18	-15.641	-12.111	-31.606	-35.977	-32.254	-21.888	-20.239	-15.528	-12.718	-56.641
19	-18.363	-13.831	-35.771	-30.683	-27.526	-20.588	-20.876	-17.704	-13.663	-58.406
20	-16.92	-12.236	-29.725	-26.629	-29.66	-21.131	-19.435	-16.896	-13.281	-58.237
21	-15.853	-11.179	-28.743	-28.469	-33.073	-20.752	-19.783	-15.349	-11.753	-58.231
22	-18.669	-13.277	-31.901	-33.347	-28.783	-24.356	-23.496	-16.884	-13.614	-57.364
23	-16.146	-13.391	-28.726	-30.017	-33.685	-23.294	-21.256	-17.983	-13.019	-57.388
24	-15.228	-13.821	-30.717	-33.002	-34.764	-23.193	-22.637	-15.361	-11.499	-56.478
25	-17.193	-13.736	-34.411	-27.439	-26.453	-21.057	-23.549	-15.456	-13.207	-57.515
26	-15.753	-11.643	-30.9	-27.153	-32.273	-20.77	-20.339	-15.25	-13.304	-57.498
27	-18.026	-12.12	-31.214	-29.759	-35.159	-23.472	-19.712	-16.157	-11.99	-57.337
28	-18.223	-13.557	-34.607	-33.091	-32.589	-20.161	-19.205	-17.826	-11.648	-58.177
29	-15.942	-11.51	-28.773	-33.217	-29.534	-21.974	-23.197	-18.035	-13.892	-57.426
30	-18.867	-12.767	-37.024	-35.736	-28.239	-21.52	-20.52	-18.54	-11.503	-54.898
31	-18.638	-12.873	-32.002	-27.463	-35.22	-23.176	-23.275	-16.3	-11.284	-57.478
32	-18.806	-13.242	-33.702	-30.094	-34.17	-21.765	-23.543	-18.048	-12.293	-57.943
33	-18.654	-13.205	-35.947	-28.226	-36.938	-20.37	-19.401	-16.267	-11.17	-56.719
34	-17.721	-11.337	-34.988	-32.161	-34.599	-22.858	-21.692	-15.43	-12.909	-57.336
35	-16.345	-12.844	-30.435	-29.022	-34.801	-23.353	-20.172	-18.771	-11.183	-56.635
36	-15.489	-13.906	-31.829	-28.368	-29.071	-22.681	-21.428	-18.516	-12.627	-58.886
37	-17.839	-12.839	-35.442	-35.013	-33.805	-21.347	-19.328	-17.039	-13.143	-56.384
38	-15.816	-11.447	-30.579	-30.041	-32.845	-20.317	-23.223	-15.491	-13.149	-56.943

Parameter	DCMR1	DCMR1	DCMR1	DCMR2	DCMR2	DCMR2	DCMR2	DCMR3	DCMR3	DCMR3
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-54.81	-55.09	-43.07	-56.83	-53.21	-48.84	-39.52	-57.11	-54.06	-49.76
STD DEV =	3.32	2.86	0.78	0.72	0.80	1.25	0.33	0.46	1.00	0.46
Cpu	1.49	2.34	5.56	3.18	5.49	3.69	9.47	5.17	4.69	10.59
Cpl										
Cpk	1.49	2.34	5.56	3.18	5.49	3.69	9.47	5.17	4.69	10.59
DATA	-	-	-	-	-	-	-	-	-	-
1	-52.493	-50.262	-42.215	-56.969	-52.944	-48.598	-39.365	-57.748	-54.654	-49.574
2	-53.87	-51.899	-42.776	-57.502	-54.58	-56.042	-39.658	-57.251	-56.876	-49.342
3	-52.753	-54.527	-43.882	-56.431	-54.085	-47.847	-39.453	-56.836	-53.374	-49.882
4	-61.797	-54.734	-43.279	-56.025	-52.649	-49.107	-39.456	-56.416	-54.801	-50.63
5	-53.593	-54.438	-44.064	-56.653	-50.45	-48.415	-39.447	-57.116	-53.736	-49.327
6	-52.74	-55.93	-44.196	-56.902	-53.262	-48.935	-39.829	-57.043	-54.006	-49.747
7	-52.792	-55.392	-43.397	-57.17	-52.761	-48.667	-39.57	-56.771	-55.107	-50.658
8	-59.438	-60.163	-43.514	-57.475	-53.74	-48.64	-39.355	-57.124	-53.653	-50.118
9	-53.035	-55.577	-42.875	-55.56	-53.453	-49.641	-39.448	-57.571	-54.937	-49.635
10	-52.406	-52.947	-43.929	-55.997	-54.061	-48.563	-39.611	-56.922	-53.256	-50.137
11	-57.313	-58.239	-42.669	-57.181	-53.149	-49.198	-39.446	-56.631	-53.753	-50.188
12	-59.452	-53.638	-43.01	-56.719	-53.442	-49.007	-39.427	-57.56	-53.487	-50.379
13	-53.208	-52.485	-41.383	-56.901	-52.383	-49.07	-40.128	-57.164	-55.714	-49.716
14	-54.596	-57.165	-42.379	-57.751	-53.091	-48.982	-39.771	-57.006	-53.167	-50.047
15	-60.416	-61.159	-43.033	-56.26	-53.671	-48.606	-40.037	-57.113	-54.226	-49.537
16	-52.134	-53.666	-43.78	-56.878	-54.099	-49.008	-39.229	-57.341	-54.057	-50.352
17	-51.221	-53.604	-44.485	-58.716	-53.072	-48.876	-39.578	-56.958	-53.957	-49.939
18	-61.977	-54.113	-42.997	-56.576	-53.945	-47.993	-39.167	-56.884	-53.89	-49.764
19	-51.145	-56.835	-43.303	-56.935	-52.522	-48.286	-39.893	-57.687	-52.585	-48.999
20	-54.793	-58.676	-42.965	-58.232	-53.545	-48.769	-39.975	-56.724	-53.954	-49.689
21	-52.924	-53.99	-42.51	-56.623	-53.32	-49.021	-39.164	-57.149	-54.775	-50.003
22	-54.92	-60.911	-42.093	-56.34	-52.768	-48.383	-39.528	-58.152	-53.562	-49.25
23	-51.873	-51.96	-41.692	-57.323	-52.378	-48.87	-39.625	-57.443	-54.476	-49.539
24	-57.592	-59.935	-42.429	-55.258	-53.82	-48.896	-40.016	-57.017	-53.347	-49.333
25	-60.532	-59.511	-43.502	-56.526	-54.558	-48.654	-39.774	-57.455	-56.186	-50.496
26	-52.613	-51.187	-42.288	-57.908	-53.227	-48.247	-39.952	-57.479	-52.569	-48.849
27	-54.1	-51.785	-42.561	-56.804	-52.793	-48.278	-39.557	-56.337	-54.354	-49.305
28	-60.753	-58.625	-42.889	-56.887	-53.1	-48.516	-40.097	-56.637	-53.872	-49.148
29	-53.423	-55.829	-43.625	-57.51	-52.702	-48.656	-39.39	-56.132	-53.716	-50.327
30	-51.081	-54.793	-43.943	-56.564	-53.074	-48.476	-39.027	-58.096	-54.035	-49.549
31	-52.012	-53.483	-43.733	-57.941	-53.405	-48.094	-39.463	-56.719	-52.648	-49.736
32	-53.135	-52.714	-42.262	-56.769	-53.305	-48.399	-39.245	-56.701	-53.335	-49.508
33	-52.524	-56.75	-44.029	-57.252	-53.471	-47.957	-39.155	-57.244	-53.944	-49.054
34	-53.754	-52.532	-42.864	-56.029	-53.015	-47.939	-39.105	-57.9	-52.809	-50.174
35	-53.122	-51.165	-42.242	-56.086	-51.323	-48.314	-38.661	-57.518	-54.204	-50.13
36	-52.588	-53.471	-44.197	-55.944	-54.568	-49.224	-39.262	-56.871	-53.919	-49.046
37	-53.792	-53.813	-41.668	-56.282	-52.68	-48.826	-39.784	-56.805	-56.416	-49.73
38	-61.051	-55.471	-43.915	-56.776	-53.679	-48.87	-38.967	-56.801	-52.834	-49.881

Parameter	DCMR3	DCMR4	DCMR4	DCMR4	DCMR4	DCMR5	DCMR5	DCMR5	DCMR5	DCMR6
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-50	-40	-35	-30	-50	-40	-35	-30	-50
LowLimit										
Average =	-40.44	-57.07	-53.24	-49.27	-39.91	-57.34	-54.26	-50.19	-40.74	-57.01
STD DEV =	0.21	0.56	0.87	0.41	0.24	0.64	0.75	0.48	0.32	0.72
Cpu	16.25	4.22	5.05	11.61	13.95	3.83	6.34	10.48	11.03	3.25
Cpl										
Cpk	16.25	4.22	5.05	11.61	13.95	3.83	6.34	10.48	11.03	3.25
DATA	-	-	-	-	-	-	-	-	-	-
1	-40.222	-57.825	-54.874	-49.238	-40.399	-58.032	-54.213	-50.494	-40.758	-57.413
2	-40.32	-57.191	-52.722	-50.04	-39.837	-57.656	-54.362	-51.241	-40.764	-57.268
3	-40.575	-57.808	-54.515	-49.26	-39.992	-57.847	-53.893	-50.75	-40.89	-56.651
4	-40.542	-57.996	-52.277	-48.828	-39.577	-57.147	-54.03	-49.705	-40.811	-57.249
5	-40.158	-57.41	-53.477	-49.132	-40.204	-57.995	-53.858	-49.71	-40.313	-58.069
6	-40.526	-57.041	-53.449	-49.76	-39.831	-57.25	-55.687	-50.316	-40.623	-56.933
7	-40.099	-57.295	-52.691	-49.584	-39.835	-57.004	-52.782	-49.882	-40.981	-57.525
8	-40.459	-56.124	-53.617	-49.516	-39.889	-57.516	-54.781	-50.795	-40.878	-56.538
9	-40.686	-57.941	-53.243	-49.283	-40.437	-56.625	-54.735	-49.69	-40.639	-57.45
10	-40.54	-56.812	-51.394	-49.952	-40.094	-57.614	-55.243	-50.731	-40.608	-56.568
11	-40.455	-56.065	-53.987	-49.469	-40.071	-57.025	-55.102	-50.308	-40.675	-57.523
12	-40.71	-56.762	-54.305	-50.017	-39.738	-57.808	-54.022	-50.273	-40.826	-56.138
13	-40.449	-57.35	-52.769	-48.727	-39.433	-57.071	-53.197	-49.991	-40.525	-56.329
14	-40.548	-56.457	-53.504	-49.677	-40	-56.831	-54.128	-50.724	-41.258	-57.194
15	-40.561	-57.811	-52.797	-49.498	-39.928	-58.622	-55.252	-51.034	-41.191	-57.129
16	-40.74	-57.357	-53.224	-49.952	-39.968	-56.284	-53.744	-50.525	-41.17	-56.998
17	-40.294	-56.368	-52.529	-49.196	-39.783	-56.579	-54.794	-50.064	-41.121	-57.105
18	-40.735	-56.43	-53.463	-48.702	-39.685	-58.522	-53.898	-49.32	-40.101	-58.479
19	-40.396	-58.274	-52.338	-49.019	-39.76	-57.257	-55.257	-50.149	-40.609	-56.527
20	-40.494	-56.909	-53.698	-49.044	-39.839	-56.632	-54.124	-50.352	-40.75	-56.702
21	-40.302	-56.941	-54.1	-49.361	-40.516	-57.019	-53.779	-50.534	-40.795	-56.473
22	-40.366	-57.071	-52.688	-49.197	-40.18	-56.616	-53.122	-50.116	-40.516	-56.36
23	-39.891	-56.459	-54.855	-48.878	-39.912	-57.343	-54.206	-49.22	-40.61	-58.364
24	-40.416	-57.366	-53.638	-49.188	-40.002	-58.386	-54.357	-50.481	-41.12	-56.783
25	-40.598	-57.728	-55.029	-49.299	-39.801	-57.636	-54.631	-50.193	-41.247	-58.591
26	-40.436	-56.978	-52.441	-49.34	-40.128	-57.307	-54.35	-50.619	-40.696	-56.256
27	-40.372	-57.228	-54.35	-49.249	-39.629	-56.434	-52.845	-49.61	-40.508	-56.506
28	-40.883	-57.301	-51.416	-48.656	-39.864	-57.523	-54.622	-50.406	-40.698	-56.698
29	-40.698	-56.386	-53.04	-49.607	-40	-58.042	-54.052	-49.789	-40.587	-58.164
30	-40.062	-56.774	-51.814	-48.65	-39.767	-57.41	-53.574	-50.118	-41.049	-56.697
31	-40.176	-56.717	-53.025	-49.44	-39.41	-57.565	-53.361	-50.779	-40.943	-56.869
32	-40.599	-56.821	-52.619	-48.267	-39.644	-58.122	-55.436	-50.356	-41.373	-58.079
33	-40.062	-57.952	-52.719	-49.597	-39.871	-56.385	-54.129	-49.169	-40.578	-55.934
34	-40.305	-56.588	-52.626	-49.02	-39.97	-56.525	-53.544	-49.532	-40.14	-56.615
35	-40.47	-56.533	-53.848	-49.147	-39.771	-57.886	-55.911	-50.061	-40.221	-56.099
36	-40.357	-56.939	-53.349	-49.069	-39.986	-56.075	-54.662	-50.195	-39.946	-55.566
37	-40.383	-57.099	-53.389	-49.509	-39.91	-57.701	-54.818	-50.246	-40.646	-56.87
38	-40.656	-56.481	-53.45	-48.709	-39.922	-57.709	-53.551	-49.799	-40.806	-57.609

Parameter	DCMR6	DCMR6	DCMR6	DCMR7	DCMR7	DCMR7	DCMR7	DCMR8	DCMR8	DCMR8
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-53.45	-49.52	-40.18	-57.08	-53.89	-49.83	-40.76	-57.15	-53.13	-48.68
STD DEV =	0.76	0.44	0.27	0.69	1.35	0.54	0.32	0.65	0.80	0.52
Cpu	5.91	10.89	12.81	3.42	3.44	9.18	11.19	3.68	5.48	8.77
Cpl										
Cpk	5.91	10.89	12.81	3.42	3.44	9.18	11.19	3.68	5.48	8.77
DATA	-	-	-	-	-	-	-	-	-	-
1	-53.183	-49.379	-40.25	-55.828	-55.387	-49.854	-40.813	-57.632	-53.198	-47.66
2	-53.994	-49.383	-40.338	-57.806	-53.733	-50.085	-40.916	-56.577	-53.053	-48.145
3	-52.847	-49.198	-40.503	-56.824	-54.378	-49.117	-40.7	-57.807	-53.429	-48.716
4	-53.513	-49.43	-39.986	-57.103	-53.22	-49.808	-40.787	-56.842	-53.43	-49.486
5	-52.262	-50.03	-40.187	-56.438	-54.108	-50.317	-41.156	-56.276	-52.582	-48.731
6	-53.81	-50.309	-40.395	-57.39	-52.997	-51.464	-41.15	-58.141	-53.198	-48.204
7	-53.23	-49.494	-40.411	-58.016	-54.263	-50.002	-40.941	-57.21	-56.114	-49.422
8	-52.992	-49.446	-39.613	-56.905	-54.518	-49.341	-41.02	-57.953	-53.226	-48.614
9	-53.528	-49.813	-40.013	-55.935	-53.273	-49.746	-40.573	-56.524	-53.004	-49.342
10	-53.547	-49.527	-40.374	-56.6	-55.308	-50.654	-41.197	-57.547	-53.4	-48.501
11	-53.628	-49.916	-40.337	-57.843	-51.671	-49.073	-40.133	-57.032	-53.134	-48.365
12	-53.956	-50.053	-40.069	-56.548	-54.342	-50.163	-41.017	-57.459	-53.7	-48.853
13	-53.47	-50.356	-40.356	-57.36	-52.479	-49.555	-40.485	-56.6	-55.244	-48.332
14	-52.993	-49.463	-40.365	-56.663	-53.565	-50.719	-40.712	-57.048	-53.283	-48.81
15	-53.248	-49.883	-40.551	-58.396	-52.738	-49.912	-41.113	-57.876	-53.801	-48.773
16	-53.22	-49.449	-40.393	-56.353	-54.373	-50.121	-40.85	-56.345	-54.061	-49.729
17	-53.224	-49.779	-39.843	-56.395	-55.434	-49.377	-40.398	-57.124	-53.071	-47.805
18	-54.664	-49.662	-40.353	-56.686	-53.642	-49.777	-41.062	-57.281	-53.147	-48.814
19	-52.207	-49.104	-39.307	-56.724	-54.036	-49.469	-40.776	-57.62	-52.891	-48.738
20	-53.631	-48.794	-40.288	-55.997	-56.069	-49.906	-41.039	-57.514	-52.039	-48.404
21	-52.865	-49.361	-39.974	-57.557	-54.163	-49.663	-40.419	-57.759	-52.081	-48.129
22	-53.584	-49.493	-40.301	-57.54	-53.664	-49.433	-40.015	-56.079	-52.808	-48.588
23	-53.879	-48.738	-40.223	-57.504	-53.592	-49.325	-40.237	-56.352	-52.252	-47.584
24	-54.634	-48.664	-39.911	-56.879	-52.408	-49.099	-40.651	-56.928	-52.636	-48.144
25	-52.981	-49.467	-40.38	-57.352	-53.53	-50.397	-40.808	-58.438	-53.545	-49.024
26	-54.208	-49.73	-40.07	-57.14	-53.224	-49.469	-40.367	-57.042	-53.007	-48.471
27	-53.203	-48.929	-40.101	-57.716	-52.943	-49.255	-41.232	-56.576	-52.763	-48.283
28	-53.158	-49.755	-40.232	-56.515	-60.032	-50.706	-41.017	-57.299	-52.441	-49.318
29	-54.138	-49.984	-40.473	-57.584	-53.005	-50.052	-40.967	-56.65	-52.303	-48.971
30	-54.049	-50.184	-40.253	-57.211	-54.174	-49.716	-40.887	-56.385	-52.291	-48.507
31	-56.009	-48.881	-40.047	-58.029	-52.995	-50.672	-40.487	-55.815	-53.296	-48.733
32	-53.078	-49.267	-39.812	-56.797	-54.17	-49.92	-41.01	-56.64	-52.049	-48.653
33	-51.468	-49.62	-40.051	-55.958	-53.426	-50.075	-40.626	-56.502	-53.032	-49.708
34	-53.449	-49.567	-40.214	-56.011	-53.861	-49.531	-40.816	-57.626	-53.099	-49.288
35	-54.01	-48.495	-39.885	-58.059	-52.885	-49.34	-40.399	-57.58	-52.033	-48.29
36	-52.669	-49.932	-40.265	-57.948	-52.681	-49.422	-40.23	-57.963	-53.253	-49.235
37	-52.852	-49.869	-40.069	-57.882	-53.998	-50.039	-41.247	-57.372	-53.113	-49.061
38	-53.606	-49.412	-40.677	-57.555	-53.575	-48.994	-40.816	-58.291	-53.874	-48.323

Parameter	DCMR8	Hipot
Condition:	100MHZ	1500VAC/ 60s/1mA
Pins		
Unit	dB	
HighLimit	-30	
LowLimit		
Average =	-39.81	
STD DEV =	0.23	
Cpu	13.91	
Cpl		
Cpk	13.91	
DATA	-	
1	-39.639	Pass
2	-39.472	Pass
3	-39.687	Pass
4	-40.277	Pass
5	-39.651	Pass
6	-39.343	Pass
7	-40.054	Pass
8	-39.852	Pass
9	-39.775	Pass
10	-39.981	Pass
11	-39.743	Pass
12	-39.907	Pass
13	-39.42	Pass
14	-40.103	Pass
15	-40.209	Pass
16	-39.865	Pass
17	-39.696	Pass
18	-39.501	Pass
19	-39.791	Pass
20	-40.019	Pass
21	-39.797	Pass
22	-40.031	Pass
23	-39.632	Pass
24	-39.79	Pass
25	-39.772	Pass
26	-39.64	Pass
27	-39.82	Pass
28	-39.928	Pass
29	-40.158	Pass
30	-39.818	Pass
31	-40.342	Pass
32	-39.653	Pass
33	-39.815	Pass
34	-39.829	Pass
35	-39.801	Pass
36	-39.536	Pass
37	-39.398	Pass
38	-39.953	Pass

Appendix 3

HX5020NL Temperature Humidity1000hrs Electrical Test Data

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1-2	2-3	4-5	5-6	7-8	8-9	10-11	11-12	13-14	14-15
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	490.28	352.39	629.85	646.49	416.79	248.88	585.51	491.35	485.29	465.96
STD DEV =	97.39	193.72	135.94	138.94	5.68	7.66	270.88	223.06	17.27	17.61
Cpu	5.17	2.83	3.36	3.25	92.86	76.16	1.74	2.25	29.24	29.04
Cpl										
Cpk	5.17	2.83	3.36	3.25	92.86	76.16	1.74	2.25	29.24	29.04
DATA	-	-	-	-	-	-	-	-	-	-
1	413.203	300.091	558.388	566.594	432.086	283.538	488.217	415.641	535.175	515.596
2	515.496	322.785	552.883	566.407	419.349	252.253	1745.039	1400.738	471.157	455.129
3	475.321	291.937	540.247	554.211	416.256	246.277	499.454	411.116	476.046	456.852
4	444.026	296.013	586.774	589.708	430.639	242.585	535.804	462.062	475.004	448.697
5	403.954	291.878	580.041	594.285	409.586	242.405	622.162	523.198	481.809	461.546
6	548.968	414.738	597.185	605.337	417.723	245.213	491.423	414.742	538.824	513.001
7	472.737	301.262	593.584	611.195	419.041	252.369	507.4	429.714	484.948	464.156
8	414.052	294.555	565.679	569.614	413.629	246.628	486.866	408.039	474.555	465.96
9	416.945	299.977	761.778	844.643	413.478	243.166	495.211	412.729	494.644	481.073
10	437.377	297.406	552.037	562.898	422.511	262.461	485.052	429.599	470.119	451.415
11	420.49	297.63	615.037	624.235	417.228	255.331	553.422	463.583	524.077	497.429
12	414.192	288.631	743.056	756.056	416.432	245.892	490.276	404.521	493.521	476.755
13	469.934	343.16	558.765	557.089	416.845	249.052	490.035	420.986	506.812	481.467
14	497.633	300.391	856.41	867.98	420.736	246.967	508.882	425.179	482.759	462.019
15	811.041	294.68	546.552	559.359	430.796	254.828	510.059	426.626	478.018	461.374
16	464.089	295.389	564.066	572.721	409.998	243.013	495.191	415.569	470.046	452.636
17	436.584	298.538	551.148	560.595	411.942	244.176	488.324	409.098	489.918	462.28
18	525.227	296.212	572.726	589.098	413.826	246.045	488.399	411.88	479.809	457.709
19	406.098	292.813	568.304	583.753	409.879	245.515	487.178	409.211	480.202	457.443
20	415.178	308.741	642.11	645.238	407.645	262.676	536.643	446.878	473.956	451.985
21	427.098	294.899	1031.606	1037.206	420.222	245.613	517.161	422.479	469.587	448.134
22	420.249	305.193	559.51	572.671	415.116	248.297	507.622	425.028	474.197	451.838
23	589.433	307.048	582.063	594.313	412.549	245.331	565.718	465.073	479.823	466.918
24	503.795	327.388	560.578	713.938	418.129	249.256	495.659	412.367	507.21	487.116
25	531.106	293.363	556.739	570.686	411.2	243.311	1275.016	1080.827	482.041	467.519
26	739.033	310.327	551.576	565.21	411.237	244.885	485.212	405.238	477.377	456.759
27	404.936	293.148	589.858	600.136	418.188	246.631	505.706	422.472	475.967	451.757
28	471.786	305.632	848.388	857.925	414.864	251.464	540.395	454.035	480.447	454.282
29	401.178	288.333	841.368	851.721	417.467	246.497	483.873	406.398	476.033	453.281
30	758.976	296.891	557.21	567.557	414.881	242.949	487.092	407.29	475.995	458.292
31	566.717	1292.103	582.057	595.377	423.975	258.797	491.077	459.689	514.898	488.095
32	420.982	298.623	554.951	562.971	407.789	244.646	499.344	415.951	481.085	464.515
33	420.249	308.859	599.418	611.313	419.551	247.743	494.641	409.771	476.519	457.875
34	560.803	1023.043	1125.201	1148.075	415.754	247.417	1439.937	1233.9	484.011	504.97
35	548.226	322.427	613.452	629.949	419.565	245.073	498.448	417.469	473.159	455.27
36	507.747	369.956	566.391	578.847	414.451	250.875	495.303	418.244	482.18	461.479
37	482.87	302.792	566.099	573.587	417.24	240.885	551.001	457.474	475.783	448.923
38	472.727	324.089	540.942	554.162	416.207	247.394	511.086	416.418	473.127	455.042

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17	17-18	19-20	20-21	22-23	23-24	25-26	26-27	28-29	29-30
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	627.47	407.51	550.34	639.15	65.89	196.93	852.12	848.93	875.31	851.70
STD DEV =	84.08	31.26	140.41	159.31	9.84	7.76	69.61	32.03	98.41	85.52
Cpu	5.44	16.98	3.44	2.85	65.49	77.47	5.50	11.98	3.81	4.48
Cpl										
Cpk	5.44	16.98	3.44	2.85	65.49	77.47	5.50	11.98	3.81	4.48
DATA	-	-	-	-	-	-	-	-	-	-
1	578.921	386.616	538.906	600.152	63.2	197.344	882.56	919.369	857.766	829.088
2	603.01	404.392	511.791	595.51	62.854	193.08	987.631	865.63	839.502	818.584
3	584.625	389.19	504.306	586.048	63.568	196.309	824.932	835.181	831.726	821.597
4	590.828	401.062	506.526	591.485	65.47	199.557	827.708	838.494	844.661	829.757
5	1049.689	410.139	601.974	702.131	62.808	193.819	849.462	874.042	812.412	805.735
6	571.573	390.719	499.83	583.114	63.226	197.764	842.459	852.951	853.081	821.269
7	584.225	391.452	534.767	620.228	63.236	195.483	822.379	832.634	840.838	826.993
8	601.402	404.897	685.525	798.16	78.166	193.559	837.849	853.69	834.587	814.744
9	622.593	418.519	514.702	608.767	61.798	191.639	824.982	830.802	846.128	811.751
10	657.763	405.335	520.642	579.818	62.767	196.883	847.187	862.322	829.96	824.907
11	641.553	396.495	501.317	590.299	63.216	193.804	825.842	841.105	859.603	838.674
12	587.68	530.925	500.754	594.076	62.781	193.761	804.446	815.828	821.099	811.861
13	587.788	515.215	510.818	592.713	61.639	191.045	828.502	835.651	843.25	832.536
14	589.979	393.45	503.009	598.875	62.869	195.279	832.488	838.521	834.023	820.802
15	602.632	405.568	511.563	593.712	61.747	192.875	817.705	843.418	848.982	833.717
16	588.217	383.29	515.885	602.749	65.014	199.783	831.471	841.947	813.584	805.842
17	658.826	414.42	558.398	649.642	62.44	191.066	812.157	824.264	822.059	809.815
18	626.951	389.79	497.585	574.633	62.034	194.032	872.535	831.703	1298.44	1175.007
19	586.45	397.572	503.623	583.148	62.114	192.659	1190.228	843.496	862.744	871.934
20	603.626	389.389	512.103	592.758	62.34	193.043	827.522	835.849	818.084	808.59
21	614.396	406.959	562.345	653.917	63.683	197.202	826.072	841.484	1054.323	1055.756
22	594.355	397.123	502.33	582.843	62.184	193.18	840.079	923.453	832.002	825.558
23	589.793	395.801	524.011	610.371	61.863	194.687	831.753	848.234	1093.775	1078.033
24	604.253	403.543	1363.081	1555.429	88.884	220.923	839.318	852.355	1075.95	1068.568
25	646.852	441.606	505.766	586.149	65.228	196.104	901.802	843.864	841.404	812.118
26	670.92	392.099	506.161	592.873	62.276	192.253	823.551	834.042	829.34	811.705
27	703.781	390.344	664.889	790.54	64.574	196.347	835.886	839.876	993.242	850.93
28	589.308	419.695	511.257	587.501	62.571	196.558	817.289	826.366	823.828	815.585
29	583.122	386.249	506.269	588.543	62.233	193.794	820.349	827.458	835.662	822.702
30	584.491	391.056	606.743	709.586	69.265	194.087	824.885	838.907	835.839	820.307
31	702.815	443.318	556.925	639.331	63.2	212.77	1014.733	992.048	846.122	834.828
32	619.495	387.337	507.94	590.054	63.319	197.3	853.148	863.63	896.3	820.013
33	824.146	397.165	501.354	585.485	63.156	195.317	828.108	835.099	923.969	824.35
34	605.453	399.647	497.935	580.803	73.98	230.1	820.112	825.882	823.408	816.909
35	581.896	392.654	515.369	586.711	61.768	190.986	813.277	828.97	830.55	823.555
36	579.542	387.855	506.317	598.039	62.865	195.246	853.417	854.831	849.364	833.059
37	641.376	445.708	506.73	591.713	116.938	200.634	823.736	835.188	827.371	812.588
38	589.65	388.952	533.53	619.655	62.535	193.249	823.061	830.943	836.763	824.677

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31-32	32-33	34-35	35-36	37-38	38-39	40-41	41-42	43-44	44-45
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	940.61	945.35	813.31	805.16	400.18	389.15	836.82	888.94	375.98	680.28
STD DEV =	231.56	168.73	77.13	26.81	266.14	243.82	111.98	255.77	32.71	61.21
Cpu	1.52	2.08	5.13	14.86	2.00	2.20	3.46	1.45	16.55	7.19
Cpl										
Cpk	1.52	2.08	5.13	14.86	2.00	2.20	3.46	1.45	16.55	7.19
DATA	-	-	-	-	-	-	-	-	-	-
1	851.147	863.335	801.283	797.487	315.364	306.207	816.536	1183.55	569.373	1041.927
2	1036.415	864.384	881.457	886.798	314.37	304.203	836.11	785.721	372.467	669.32
3	848.857	926.897	782.283	783.981	310.584	301.527	814.147	785.384	362.333	653.233
4	857.227	879.209	792.762	788.843	372.029	355.437	801.451	777.25	399.805	719.567
5	1499.138	1525.039	795.246	798.238	314.374	306.884	802.666	786.164	366.603	662.652
6	846.483	864.303	788.735	782.45	321.374	312.647	823.424	813.813	369.539	672.004
7	854.982	886.468	777.098	800.098	320.414	308.084	813.449	795.197	367.712	661.968
8	869.042	869.528	783.95	805.283	309.856	301.017	814.673	805.843	370.461	671.898
9	861.242	1147.494	773.629	795.566	321.406	309.901	816.852	791.712	372.106	670.233
10	871.7	874.512	888.912	922.455	352.037	346.657	809.759	786.623	381.686	678.775
11	851.634	873.118	793.629	819.872	355.983	345.378	793.557	883.356	376.896	680.667
12	856.958	869.781	765.959	790.452	318.133	306.681	799.574	773.54	367.876	660.767
13	850.241	871.658	784.226	816.336	324.973	313.974	828.732	798.255	369.403	662.661
14	878.555	916.348	779.746	793.394	1713.15	1559.502	818.436	799.254	361.666	652.872
15	867.044	1071.097	782.056	791.652	319.935	319.542	820.318	795.369	372.824	667.565
16	843.77	860.609	770.994	783.779	329.728	319.773	797.703	1679.914	364.195	651.894
17	847.16	868.28	794.826	801.397	321.482	310.654	810.897	798.559	380.206	686.003
18	1698.28	945.035	846.655	845.812	317.912	310.092	852.605	807.158	389.642	703.974
19	856.741	884.084	799.689	805.545	316.687	304.505	815.987	785.342	373.59	679.541
20	903.272	870.853	769.657	792.59	825.229	802.01	835.701	820.825	371.176	679.444
21	834.418	854.428	795.635	814.538	314.63	303.704	816.217	833.885	371.766	674.619
22	1147.906	869.556	789.401	793.258	313.764	360.74	1500.64	1450.847	366.82	671.749
23	897.646	1369.332	798.419	796.958	312.009	306.871	831.382	824.416	373.384	676.529
24	847.227	870.586	819.764	798.824	316.026	312.012	829.838	802.354	379.255	696.35
25	850.942	905.883	789.729	796.488	318.206	310.294	797.739	775.677	367.633	664.77
26	840.583	1465.333	779.198	788.866	485.276	469.207	819.508	791.137	365.952	658.978
27	1880.367	867.241	796.325	812.84	324.834	379.713	820.966	798.952	364.944	662.395
28	915.79	1231.945	786.729	791.354	313.881	303.544	801.992	815.725	368.593	666.409
29	914.782	859.128	783.879	795.906	311.852	300.646	949.618	931.496	365.016	663.366
30	854.566	871.036	986.944	787.914	312.134	301.701	787.062	777.147	364.887	658.446
31	878.121	891.446	811.015	821.402	418.666	405.742	830.057	851.761	375.91	685.069
32	929.676	867.813	1208.799	811.754	318.792	308.877	818.644	814.083	373.981	674.818
33	844.586	877.579	872.639	797.53	327.207	316.34	815.346	1980.501	367.669	670.225
34	845.617	860.522	800.99	811.458	341.059	331.972	824.271	783.964	366.49	663.798
35	856.053	875.787	784.106	795.497	1154.357	1113.497	805.612	803.651	361.738	652.344
36	848.575	863.438	786.784	791.808	310.013	319.426	811.388	918.108	370.271	682.066
37	854.029	915.93	784.363	797.904	310.056	299.227	801.225	786.305	362.979	651.773
38	852.553	874.358	778.141	789.831	309.069	299.701	815.037	786.875	360.541	649.801

Parameter	DCR	DCR	BL	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	47-48	47-48:1-2	2-5	5-8	8-11	11-13	13-17	17-20	20-23
Unit	m ohms	m ohms	m ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms
HighLimit	2000	2000	2000							
LowLimit				10	10	10	10	10	10	10
Average =	819.67	876.61	386.33	77.98	76.68	76.63	76.16	76.30	76.91	76.90
STD DEV =	12.38	173.18	212.81	1.67	1.49	1.60	1.46	1.55	1.47	1.57
Cpu	31.77	2.16	2.53							
Cpl				13.58	14.87	13.92	15.09	14.28	15.18	14.20
Cpk	31.77	2.16	2.53	13.58	14.87	13.92	15.09	14.28	15.18	14.20
DATA	-	-	-	-	-	-	-	-	-	-
1	830.225	1881.605	1468.402	73.183	72.591	73.038	75.735	75.184	77.995	78.684
2	821.155	834.479	318.983	75.675	74.972	75.1	75.5	76.107	75.681	75.497
3	818.156	838.195	362.874	77.221	73.99	74.584	73.934	75.657	76.348	76.662
4	821.664	847.851	403.825	76.715	75.624	75.864	76.259	76.4	77.674	76.83
5	815.542	828.072	424.118	77.025	76.85	76.228	75.9	74.741	76.754	76.556
6	820.695	820.507	271.539	77.538	76.079	76.044	74.962	74.595	76.159	76.394
7	821.059	822.281	349.544	75.883	75.15	76.43	75.067	74.41	75.16	74.814
8	804.386	864.591	450.539	77.602	76.91	76.353	74.528	74.339	74.454	74.941
9	824.147	907.545	490.6	77.654	75.546	75.17	75.544	76.224	76.631	76.156
10	816.174	831.437	394.06	77.554	75.282	74.454	75.039	75.84	76.832	77.754
11	808.906	828.504	408.014	78.457	77.007	77.858	77.512	76.901	76.784	76.458
12	801.803	816.741	402.549	78.389	76.025	75.482	76.618	75.963	76.391	76.288
13	816.838	828.594	358.66	78.595	77.615	76.597	75.555	75.822	76.373	77.208
14	809.04	871.077	373.444	76.542	75.363	74.772	74.083	76.13	76.557	74.464
15	817.95	821.395	10.353	77.32	76.098	75.466	75.119	75.055	74.339	74.819
16	807.483	812.553	348.464	75.353	73.371	75.542	77.337	77.067	80.579	79.156
17	829.116	842.991	406.407	76.596	77.012	76.516	76.486	75.777	76.597	76.571
18	827.565	848.286	323.059	79.052	78.097	78.139	77.224	75.915	76.563	76.921
19	821.271	859.503	453.405	77.967	76.442	75.273	74.891	74.763	75.538	76.909
20	805.51	828.437	413.259	79.16	76.485	76.091	76.387	76.712	77.84	78.31
21	821.361	822.2	395.102	78.613	76.788	76.93	77.314	77.949	78.541	77.849
22	826.664	882.875	462.626	78.316	77.404	76.499	75.503	76.415	77.382	77.473
23	829.83	881.675	292.242	77.912	77.827	77.874	76.768	76.278	76.209	76.622
24	817.117	830.394	326.599	78.845	76.964	77.088	76.339	76.042	76.073	76.632
25	810.355	825.327	294.221	80.023	77.97	76.551	72.047	74.541	74.971	74.377
26	817.54	825.884	86.851	78.178	77.363	77.226	75.301	74.932	75.813	76.328
27	810.772	826.01	421.074	79.22	78.45	78.035	76.721	76.431	76.73	77
28	812.978	834.275	362.489	79.386	78.018	77.02	76.128	76.486	77.403	77.901
29	806.395	823.8	422.622	79.046	77.004	76.977	77.117	79.085	77.783	76.491
30	805.723	828.642	69.666	78.633	77.45	76.533	75.385	74.108	75.995	75.495
31	834.824	854.732	288.015	84.431	81.329	83.147	77.806	81.565	78.138	77.32
32	825.794	845.696	424.715	78.223	76.897	77.689	77.467	77.099	77.32	76.818
33	837.669	1134.682	714.433	76.885	77.27	78.546	81.22	80.794	82.472	83.731
34	811.557	831.541	270.738	78.387	77.583	77.435	76.783	76.754	77.059	76.714
35	873.368	857.496	309.27	78.928	77.06	76.576	76.437	76.361	77.451	77.774
36	827.75	899.369	391.622	77.932	77.666	77.868	77.79	76.923	77.106	77.054
37	821.07	834.455	351.584	78.405	77.469	78.056	77.202	76.971	76.78	77.053
38	817.881	837.374	364.647	78.299	76.814	76.828	76.921	77.021	77.95	78.179

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OCL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-26	26-29	29-32	32-35	35-38	38-41	41-44	44-47	47-2	1-3
Unit	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	uH
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	350
Average =	80.09	76.37	73.02	76.83	77.73	77.36	77.40	77.21	77.19	990.86
STD DEV =	2.75	1.84	1.43	1.32	1.33	1.29	1.57	2.05	1.65	43.69
Cpu										
Cpl	8.50	12.02	14.68	16.89	16.93	17.34	14.30	10.95	13.59	4.89
Cpk	8.50	12.02	14.68	16.89	16.93	17.34	14.30	10.95	13.59	4.89
DATA	-	-	-	-	-	-	-	-	-	-
1	84.556	80.276	74.344	77.712	77.105	75.862	75.144	74.761	73.685	1003.271
2	79.473	75.045	71.91	74.617	75.735	76.142	76.877	76.577	76.832	1009.136
3	80.823	75.502	72.736	75.742	76.173	75.219	75.609	78.811	77.917	859.447
4	79.599	75.851	72.169	76.052	76.804	76.791	77.364	77.48	76.937	985.604
5	78.371	75.149	72.032	76.433	77.882	78.217	77.785	76.625	75.748	1013.121
6	79.274	76.55	73.302	77.025	77.76	76.643	75.918	75.958	76.109	962.764
7	79.688	75.879	72.797	77.454	78.857	77.781	77.699	77.272	76.288	977.093
8	79.014	76.751	75.155	76.555	76.194	75.357	76.004	74.318	74.267	1022.354
9	79.554	76.168	72.828	75.329	76.363	77	78.203	79.248	80.509	1069.68
10	80.405	76.516	72.969	76.345	75.954	76.143	78.359	78.369	79.287	972.271
11	78.548	75.838	72.372	77.369	78.629	78.73	78.542	77.484	76.313	1024.047
12	73.937	71.915	68.568	73.433	74.524	78.696	80.22	78.716	79.497	997.804
13	80.79	76.685	74.153	77.676	78.384	76.732	78.016	78.736	78.281	1018.863
14	78.599	74.436	70.944	74.687	75.593	74.625	75.767	77.639	76.312	1073.497
15	77.267	76.339	73.839	77.489	78.958	76.173	76.607	74.508	74.845	987.085
16	82.324	74.805	71.145	73.56	74.625	76.16	75.923	75.895	74.918	969.415
17	81.164	76.091	73.141	76.107	78.098	77.517	76.66	76.512	76.614	989.855
18	78.134	75.284	73.719	78.16	79.359	79.901	79.921	80.084	79.823	984.276
19	78.614	77.666	73.641	77.937	79.14	77.485	77.401	77.699	78.654	986.003
20	81.984	78.188	73.611	77.203	77.634	77.392	77.482	78.308	78.772	970.709
21	82.445	78.036	72.927	76.469	78.166	78.354	78.879	79.214	78.101	1044.202
22	80.888	77.248	74.006	78.232	78.463	76.613	76.852	76.9	77.662	955.156
23	79.06	75.68	72.812	77.966	78.256	77.498	77.711	77.559	77.218	991.46
24	80.103	76.672	73.017	78.104	78.834	78.141	76.983	76.217	77.56	957.601
25	73.564	72.064	70.351	75.54	78.972	79.285	79.724	80.631	79.141	992.868
26	78.959	76.099	73.537	77.76	78.947	77.785	77.203	75.923	76.001	1008.273
27	79.721	76.859	73.651	78.645	80.005	78.523	77.843	76.977	75.854	1004.081
28	81.071	77.517	73.321	77.898	77.975	77.26	77.31	77.374	77.972	985.07
29	81.625	75.997	72.078	75.867	77.689	78.348	79.658	80.41	80.206	936.367
30	79.293	76.27	77.033	77.287	77.445	77.54	76.957	77.823	76.965	959.731
31	80.314	75.966	72.736	75.62	76.063	74.709	72.947	70.986	74.187	1043.901
32	80.146	76.156	73.129	77.156	78.38	78.91	78.272	77.994	76.698	1037.898
33	91.641	83.344	76.331	79.5	78.455	76.524	73.34	71.114	76.189	1025.111
34	79.484	76.114	72.756	77.272	78.889	78.95	79.206	78.124	77.255	1033.374
35	81.071	77.092	72.85	77.15	77.789	77.174	77.47	77.357	78.031	961.052
36	80.86	76.589	72.827	77.447	79.156	79.514	78.578	77.866	77.548	1002.322
37	79.263	75.769	72.942	77.866	78.959	78.499	78.417	77.621	76.555	978.134
38	81.632	77.721	73.13	76.811	77.496	77.664	78.261	78.88	78.637	859.899

Parameter	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	4-6	7-9	10-12	13-15	16-18	19-21	22-24	1-3	46-48	4-6
Unit	uH	uH	uH	uH	uH	uH	uH	*1	*1	*1
HighLimit								1.02	1.02	1.02
LowLimit	350	350	350	350	350	350	350	0.98	0.98	0.98
Average =	986.65	929.59	1,010.07	925.82	1,017.90	946.38	1,010.30	1.00	1.00	1.00
STD DEV =	73.93	61.47	45.03	51.43	48.01	52.98	52.34	0.00	0.00	0.00
Cpu								41.59	39.62	41.59
Cpl	2.87	3.14	4.89	3.73	4.64	3.75	4.21	41.70	43.68	41.70
Cpk	2.87	3.14	4.89	3.73	4.64	3.75	4.21	41.59	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	985.484	956.102	978.656	938.441	1053.351	955.698	1030.014	1	1.001	1
2	1021.926	953.826	1022.274	934.725	1032.403	999.482	1007.588	1	1.001	1
3	971.189	945.703	1018.929	914.585	979.743	956.672	1040.344	1	1.001	1
4	999.467	863.334	1000.406	977.192	1050.076	958.087	1008.357	1	1.001	1
5	1051.647	951.545	993.085	843.598	978.172	968.348	1043.948	1	1.001	1
6	865.231	978.917	1041.403	979.777	1079.753	963.51	1076.782	1	1.001	1
7	1007.177	752.41	1011.548	787.341	1065.001	935.901	1058.505	1	1.001	1
8	1021.412	691.367	1044.723	915.847	1086.355	903.017	1014.534	1	1.001	1
9	1071.967	990.62	1018.931	1001.313	1045.809	978.921	881.025	1.001	1.001	1
10	977.516	934.53	1073.905	979.347	1026.281	898.108	982.986	1	1.001	1
11	1083.225	899.746	1046.165	965.043	1028.439	767.329	1042.663	1	1.001	1
12	757.906	943.403	997.327	947.57	975.244	915.219	941.892	1	1.001	1
13	989.991	958.925	982.463	967.819	1062.752	920.203	1050.144	1	1.001	1
14	1019.316	964.865	1018.45	923.544	960.548	777.541	1025.648	1	1.001	1
15	1044.207	968.563	1058.404	921.157	1042.544	843.729	1061.992	1	1.001	1
16	985.529	905.844	1067.604	873.704	1001.12	957.685	1010.902	1	1.001	1
17	1002.179	951.348	1022.899	878.39	1022.502	995.402	851.14	1	1.001	1
18	1019.725	963.983	1026.579	947.708	961.23	927.329	1018.25	1	1.001	1
19	1007.054	938.227	1042.886	851.393	1058.583	963.639	976.2	1	1	1.001
20	1098.755	899.746	1024.093	1003.052	1053.208	964.312	998.923	1	1.001	1
21	949.178	1006.757	1039.355	775.463	972.805	979.234	1033.088	1	1.001	1
22	1019.383	954.401	836.043	912.878	939.616	989.679	1046.301	1	1.001	1
23	1054.769	943.528	986.083	911.63	1014.189	979.776	1080.243	1	1.001	1
24	987.139	1004.892	974.468	964.587	1012.596	942.84	897.077	1	1.001	1
25	1023.792	938.362	998.206	956.174	1037.134	890.504	1053.565	1	1.001	1
26	1007.161	969.714	1041.465	878.596	1095.709	956.611	1054.596	1	1.001	1
27	711.597	907.668	909.044	960.213	1020.624	980.68	1025.461	1	1.001	1
28	928.952	949.868	1074.322	947.718	1039.123	991.664	1021.396	1	1.001	1
29	994.268	930.147	1012.129	868.345	885.401	1005.401	1025.429	1	1.001	1
30	971.91	916.384	987.948	955	990.385	958.863	1047.882	1	1.001	1
31	1001.303	970.108	1028.511	923.256	1054.542	991.596	920.335	1	1.001	1
32	1016.439	920.129	1050.08	898.76	1051.107	962.919	967.954	1	1.001	1
33	977.887	891.487	925.037	936.755	888.032	955.806	986.853	1	1.001	1
34	1005.701	998.517	1007.32	948.131	1016.073	947.3	1060.651	1	1.001	1
35	900.11	855.903	1023.268	960.92	1022.621	1010.771	975.726	1	1.001	1
36	985.6	954.824	979.378	935.485	1049.445	951.723	1023.683	1	1.001	1
37	1004.036	855.119	999.244	980.549	1048.904	954.249	1009.964	1	1.001	1
38	972.696	943.495	1020.142	915.141	978.629	962.667	1039.328	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	45-43	7-9	40-42	10-12	39-37	13-15	34-36	16-18	33-31	19-21
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	20.75	41.59	39.62	41.59	39.62	41.59	39.62	41.59	21.61	41.59
Cpl	22.69	41.70	43.68	41.70	43.68	41.70	43.68	41.70	21.84	41.70
Cpk	20.75	41.59	39.62	41.59	39.62	41.59	39.62	41.59	21.61	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	1.001	1	1.001	1	1	1
2	1.001	1	1.001	1	1.001	1	1.001	1	1	1
3	1.001	1	1.001	1	1.001	1	1.001	1	1	1
4	1.001	1	1.001	1	1.001	1	1.001	1	1	1
5	1.001	1	1.001	1	1.001	1	1.001	1	1	1
6	1.001	1	1.001	1	1.001	1	1.001	1	1.001	1
7	1.001	1	1.001	1	1.001	1	1.001	1	1	1
8	1.001	1	1.001	1	1.001	1	1.001	1	1	1
9	1.001	1	1.001	1	1.001	1	1.001	1	1	1
10	1.001	1	1.001	1	1.001	1	1.001	1	1	1.001
11	1.001	1	1.001	1	1.001	1	1.001	1	1	1
12	1	1	1.001	1	1.001	1	1.001	1	1	1
13	1	1.001	1.001	1	1.001	1.001	1.001	1	1	1
14	1.001	1	1	1	1.001	1	1.001	1	1	1
15	1.001	1	1.001	1	1.001	1	1.001	1	1	1
16	1.001	1	1.001	1	1.001	1	1.001	1	1.001	1
17	1.001	1	1.001	1	1.001	1	1.001	1	1	1
18	1.001	1	1.001	1	1.001	1	1	1	1	1
19	1.001	1	1.001	1.001	1.001	1	1.001	1.001	1	1
20	1.001	1	1.001	1	1.001	1	1.001	1	1	1
21	1.001	1	1.001	1	1.001	1	1.001	1	1	1
22	1.001	1	1.001	1	1	1	1.001	1	1	1
23	1.001	1	1.001	1	1.001	1	1.001	1	1	1
24	1	1	1.001	1	1.001	1	1.001	1	1	1
25	1.001	1	1.001	1	1.001	1	1.001	1	1	1
26	1.001	1	1.001	1	1.001	1	1.001	1	1.001	1
27	1	1	1.001	1	1.001	1	1.001	1	1	1
28	1.001	1	1.001	1	1.001	1	1.001	1	1	1
29	1.001	1	1.001	1	1.001	1	1.001	1	1	1
30	1.001	1	1.001	1	1.001	1	1.001	1	1	1
31	1.001	1	1.001	1	1.001	1	1.001	1	1	1
32	1.001	1	1.001	1	1.001	1	1.001	1	1.001	1
33	1.001	1	1.001	1	1.001	1	1.001	1	1	1
34	1.001	1	1.001	1	1.001	1	1.001	1	1	1
35	1.001	1	1.001	1	1.001	1	1.001	1	1	1
36	1.001	1	1.001	1	1.001	1	1.001	1	1	1
37	1.001	1	1.001	1	1.001	1	1.001	1	1	1
38	1.001	1	1.001	1	1.001	1	1.001	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	28-30	22-24	27-25	1-2	2-3	4-5	5-6	7-8	8-9	10-11
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	39.62	41.59	39.62	41.59	31.27	41.59	13.67	41.59	41.59	41.59
Cpl	43.68	41.70	43.68	41.70	28.44	41.70	13.00	41.70	41.70	41.70
Cpk	39.62	41.59	39.62	41.59	28.44	41.59	13.00	41.59	41.59	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	0.999	1	1	1	1	1
2	1.001	1	1.001	1	0.999	1	0.999	1	1	1
3	1.001	1	1.001	1	0.999	1	0.999	1	1	1
4	1.001	1	1.001	1	0.999	1	1	1	1	1
5	1.001	1	1.001	1	0.999	1	0.999	1	1	1
6	1.001	1	1.001	1	0.999	1	1	1	1	1
7	1.001	1	1.001	1	0.999	1	0.999	1	1	1
8	1.001	1	1.001	1	0.999	1	0.999	1	1.001	1
9	1.001	1	1.001	1	0.999	1.001	0.999	1	1	1
10	1.001	1.001	1.001	1	0.999	1	0.999	1	1	1
11	1.001	1	1.001	1	0.999	1	1	1	1	1.001
12	1.001	1	1.001	1	0.999	1	1	1	1	1
13	1.001	1	1.001	1	0.999	1	0.999	1	1	1
14	1	1	1.001	1	1	1	1	1	1	1
15	1.001	1	1.001	1	1	1	0.999	1	1	1
16	1.001	1	1.001	1	0.999	1	0.999	1.001	1	1
17	1.001	1	1.001	1	0.999	1	1	1	1	1
18	1.001	1	1	1	0.999	1	0.999	1	1	1
19	1.001	1	1.001	1.001	0.999	1	0.999	1	1	1
20	1.001	1	1.001	1	0.999	1	1	1	1	1
21	1.001	1	1.001	1	0.999	1	1	1	1	1
22	1.001	1	1.001	1	0.999	1	1	1	1	1
23	1.001	1	1.001	1	0.999	1	0.999	1	1	1
24	1.001	1	1.001	1	0.999	1	0.999	1	1	1
25	1.001	1	1.001	1	0.999	1	1	1	1	1
26	1.001	1	1.001	1	0.999	1	0.999	1	1	1
27	1.001	1	1.001	1	0.999	1	1	1	1	1
28	1.001	1	1.001	1	0.999	1	1	1	1	1
29	1.001	1	1.001	1	0.999	1	1	1	1	1
30	1.001	1	1.001	1	0.999	1	1	1	1	1
31	1.001	1	1.001	1	0.999	1	1	1	1	1
32	1.001	1	1.001	1	0.999	1	0.999	1	1	1
33	1.001	1	1.001	1	0.999	1	1	1	1	1
34	1.001	1	1.001	1	0.999	1	0.999	1	1	1
35	1.001	1	1.001	1	0.999	1	1	1	1	1
36	1.001	1	1.001	1	0.999	1	0.999	1	1	1
37	1.001	1	1.001	1	0.999	1	1	1	1	1
38	1.001	1	1.001	1	0.999	1	0.999	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-12	13-14	14-15	16-17	17-18	19-20	20-21	22-23	23-24	25-26
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	41.59	41.59	43.68	41.59	29.93	41.70	41.70	41.70	41.70	41.70
Cpl	41.70	41.70	39.62	41.70	29.78	41.59	41.59	41.59	41.59	41.59
Cpk	41.59	41.59	39.62	41.59	29.78	41.59	41.59	41.59	41.59	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	0.999	1	1	1	1	1	1	1
2	1	1	0.999	1	1	1	1	1	1	1
3	1	1	0.999	1	1	1	1	1	1	1
4	1	1	0.999	1	1	1	1	1	1	1
5	1	1	0.999	1	1	1	1	1	1	1
6	1	1	0.999	1	1	1	1	1	1	1
7	1	1	0.999	1	1	1	1	1	1	1
8	1	1	0.999	1	1	1	1	1	1	1
9	1	1	0.999	1	1	1	1	1	1	1
10	1	1	0.999	1	1	1	1	0.999	1	0.999
11	1	1	0.999	1.001	1	0.999	1	1	1	1
12	1	1	0.999	1	1	1	1	1	1	1
13	1	1	0.999	1	1	1	1	1	1	1
14	1	1	0.999	1	1	1	1	1	1	1
15	1	1.001	0.999	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1
17	1	1	0.999	1	1	1	1	1	1	1
18	1	1	0.999	1	0.999	1	1	1	1	1
19	1	1	0.999	1	1	1	0.999	1	1	1
20	1	1	0.999	1	1	1	1	1	0.999	1
21	1.001	1	0.999	1	1	1	1	1	1	1
22	1	1	0.999	1	1	1	1	1	1	1
23	1	1	0.999	1	1	1	1	1	1	1
24	1	1	0.999	1	1	1	1	1	1	1
25	1	1	0.999	1	1	1	1	1	1	1
26	1	1	0.999	1	1	1	1	1	1	1
27	1	1	0.999	1	1	1	1	1	1	1
28	1	1	0.999	1	1	1	1	1	1	1
29	1	1	0.999	1	1	1	1	1	1	1
30	1	1	0.999	1	1	1	1	1	1	1
31	1	1	0.999	1	0.999	1	1	1	1	1
32	1	1	0.999	1	1	1	1	1	1	1
33	1	1	0.999	1	1	1	1	1	1	1
34	1	1	0.999	1	1	1	1	1	1	1
35	1	1	0.999	1	1	1	1	1	1	1
36	1	1	0.999	1	1	1	1	1	1	1
37	1	1	0.999	1	1	1	1	1	1	1
38	1	1	0.999	1	1	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	26-27	28-29	29-30	31-32	32-33	34-35	35-36	37-38	38-39	40-41
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	32.76	41.70	41.70	41.70	41.70	41.70	20.58	41.70	12.45	41.70
Cpl	26.95	41.59	41.59	41.59	41.59	41.59	18.87	41.59	11.90	41.59
Cpk	26.95	41.59	41.59	41.59	41.59	41.59	18.87	41.59	11.90	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	0.998	1	1	1	1	1	0.999	1	1	1
2	0.998	1	1	1	1	1	0.999	1	0.999	1
3	0.998	1	1	1	1	1	0.999	1	1	1
4	0.998	1	1	1	1	1	0.999	1	0.999	1
5	0.998	1	1	1	1	1	0.999	1	1	1
6	0.998	1	1	1	1	1	0.999	1	0.999	1
7	0.998	1	1	1	1	1	0.999	1	1	1
8	0.998	1	1	1	1	1	0.999	1	0.999	1
9	0.999	1	1	1	1	1	0.999	0.999	0.999	1
10	0.998	1	1	1	1	1	0.999	1	0.999	1
11	0.998	1	1	1	1	1	0.999	1	0.999	1
12	0.998	1	1	1	1	1	0.999	1	1	1
13	0.998	1	0.999	1	0.999	1	0.999	1	1	0.999
14	0.998	1	1	1	1	1	0.999	1	0.999	1
15	0.998	1	1	1	1	1	0.999	1	0.999	1
16	0.998	1	1	1	1	1	0.999	1	0.999	1
17	0.999	1	1	1	1	0.999	0.999	1	0.999	1
18	0.998	1	1	1	1	1	1	1	1	1
19	0.998	0.999	1	1	1	1	0.999	1	0.999	1
20	0.998	1	1	1	1	1	0.999	1	1	1
21	0.998	1	1	0.999	1	1	0.999	1	1	1
22	0.998	1	1	1	1	1	0.999	1	1.001	1
23	0.998	1	1	1	1	1	0.999	1	1	1
24	0.998	1	1	1	1	1	0.999	1	1	1
25	0.998	1	1	1	1	1	0.999	1	0.999	1
26	0.998	1	1	1	1	1	1	1	0.999	1
27	0.998	1	1	1	1	1	0.999	1	1	1
28	0.998	1	1	1	1	1	1	1	0.999	1
29	0.998	1	1	1	1	1	0.999	1	1	1
30	0.998	1	1	1	1	1	0.999	1	1	1
31	0.998	1	1	1	1	1	0.999	1	0.999	1
32	0.998	1	1	1	1	1	0.999	1	0.999	1
33	0.998	1	1	1	1	1	0.999	1	1	1
34	0.998	1	1	1	1	1	0.999	1	1	1
35	0.998	1	1	1	1	1	1	1	0.999	1
36	0.998	1	1	1	1	1	0.999	1	1	1
37	0.998	1	1	1	1	1	0.999	1	1	1
38	0.998	1	1	1	1	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1	CH1 IL-1	H1 IL-1 Phas
Condition:	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins	41-42	43-44	44-45	46-47	47-48					
Unit	*1	*1	*1	*1	*1	dB	dB	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02					
LowLimit	0.98	0.98	0.98	0.98	0.98	-1	-0.8	-0.8	-1.6	-60
Average =	1.00	1.00	1.00	1.00	1.00	-0.12	-0.24	-0.28	-0.44	-28.32
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.05	1.19
Cpu	41.59	41.59	10.18	41.59	39.51					
Cpl	41.70	41.70	10.48	41.70	43.78	22.97	14.66	9.99	7.20	8.85
Cpk	41.59	41.59	10.18	41.59	39.51	22.97	14.66	9.99	7.20	8.85
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	1.001	-0.117	-0.237	-0.268	-0.621	-32.158
2	1	1	1	1	1.001	-0.135	-0.263	-0.303	-0.474	-28.554
3	1	1	1	1	1.001	-0.122	-0.233	-0.264	-0.407	-27.921
4	1	1	1	1	1.001	-0.117	-0.239	-0.262	-0.404	-27.926
5	1	1	1	1	1.001	-0.123	-0.242	-0.277	-0.398	-26.956
6	1	1	1.001	1	1.001	-0.119	-0.255	-0.291	-0.42	-27.445
7	1	1.001	1	1	1.001	-0.116	-0.252	-0.287	-0.417	-26.977
8	1	1	1	1	1.001	-0.122	-0.237	-0.269	-0.408	-27.505
9	1	1	1	1	1.001	-0.122	-0.237	-0.272	-0.398	-28.046
10	1	1	1.001	1.001	1.001	-0.113	-0.25	-0.271	-0.404	-28.404
11	1	1	1	1	1.001	-0.121	-0.239	-0.27	-0.423	-27.652
12	1	1	1.002	1	1.001	-0.123	-0.229	-0.254	-0.42	-28.007
13	1	1	1	1	1.001	-0.126	-0.229	-0.26	-0.509	-30.611
14	1	1	1	1	1.001	-0.111	-0.22	-0.249	-0.469	-29.491
15	1	1	1	1	1.001	-0.128	-0.239	-0.269	-0.441	-28.468
16	1	1	1	1	1.001	-0.122	-0.232	-0.264	-0.409	-27.107
17	1	1	1	1	1.001	-0.119	-0.236	-0.26	-0.427	-28.608
18	1.001	1	1	1	1.001	-0.122	-0.233	-0.253	-0.399	-27.848
19	1	1	1	1	1.001	-0.129	-0.252	-0.281	-0.436	-28.474
20	1	1	1	1	1.001	-0.118	-0.232	-0.261	-0.398	-27.618
21	1	1	1.001	1	1.001	-0.126	-0.225	-0.263	-0.501	-29.795
22	1	1	1	1	1.001	-0.126	-0.241	-0.29	-0.406	-26.89
23	1	1	1	1	1.001	-0.132	-0.233	-0.271	-0.515	-30.012
24	1	1	1	1	1.001	-0.196	-0.294	-0.349	-0.635	-30.299
25	1	1	1	1	1.001	-0.124	-0.236	-0.266	-0.469	-28.684
26	1	1	1	1	1.001	-0.127	-0.254	-0.279	-0.45	-28.845
27	1	1	1.003	1	1.001	-0.126	-0.251	-0.301	-0.42	-27.267
28	1	1	1.001	1	1.001	-0.122	-0.251	-0.284	-0.459	-29.146
29	1	1	1.001	1	1.001	-0.126	-0.242	-0.274	-0.439	-29.148
30	1	1	1	1	1.001	-0.126	-0.255	-0.296	-0.425	-27.725
31	1	1	1	1	1.001	-0.116	-0.242	-0.27	-0.463	-29.442
32	1	1	1	1	1.001	-0.124	-0.243	-0.286	-0.422	-26.761
33	1	1	1	1	1.001	-0.122	-0.239	-0.284	-0.413	-27.027
34	1	1	1	1	1.002	-0.128	-0.258	-0.278	-0.458	-29.173
35	1	1	1.001	1	1.001	-0.125	-0.241	-0.281	-0.406	-27.008
36	1	1	1	1	1.001	-0.123	-0.242	-0.284	-0.43	-28.025
37	1	1	1	1	1.001	-0.119	-0.239	-0.278	-0.4	-26.827
38	1	1	1	1	1.001	-0.129	-0.25	-0.285	-0.452	-28.233

Parameter	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	H1 IL-2 Phas	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	H1 IL-3 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.14	-0.24	-0.28	-0.50	-30.45	-0.13	-0.23	-0.25	-0.43	-26.79
STD DEV =	0.01	0.01	0.02	0.09	1.70	0.01	0.01	0.02	0.07	1.40
Cpu										
Cpl	30.41	14.43	10.85	4.12	5.78	25.39	14.25	10.09	5.46	7.91
Cpk	30.41	14.43	10.85	4.12	5.78	25.39	14.25	10.09	5.46	7.91
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.13	-0.24	-0.275	-0.444	-30.298	-0.124	-0.229	-0.247	-0.483	-28.515
2	-0.158	-0.272	-0.319	-0.49	-30.341	-0.158	-0.265	-0.298	-0.465	-27.024
3	-0.161	-0.266	-0.311	-0.457	-28.898	-0.162	-0.258	-0.294	-0.44	-25.562
4	-0.124	-0.235	-0.273	-0.424	-29.07	-0.138	-0.225	-0.252	-0.423	-26.631
5	-0.13	-0.244	-0.286	-0.463	-29.413	-0.139	-0.251	-0.293	-0.422	-25.884
6	-0.131	-0.245	-0.298	-0.75	-34.611	-0.123	-0.228	-0.251	-0.389	-25.246
7	-0.133	-0.256	-0.291	-0.459	-29.034	-0.132	-0.232	-0.263	-0.422	-25.831
8	-0.144	-0.242	-0.285	-0.613	-31.551	-0.142	-0.228	-0.269	-0.601	-29.678
9	-0.148	-0.263	-0.308	-0.465	-29.048	-0.113	-0.221	-0.222	-0.493	-29.333
10	-0.129	-0.23	-0.278	-0.675	-33.603	-0.13	-0.235	-0.264	-0.407	-25.745
11	-0.14	-0.26	-0.305	-0.46	-29.795	-0.127	-0.212	-0.234	-0.446	-26.65
12	-0.14	-0.244	-0.282	-0.455	-29.321	-0.122	-0.235	-0.266	-0.376	-25.202
13	-0.137	-0.236	-0.283	-0.581	-33.488	-0.127	-0.209	-0.249	-0.709	-31.081
14	-0.129	-0.227	-0.274	-0.434	-29.103	-0.109	-0.219	-0.247	-0.376	-25.289
15	-0.131	-0.236	-0.278	-0.453	-29.906	-0.14	-0.234	-0.269	-0.446	-27.489
16	-0.142	-0.247	-0.298	-0.446	-29.421	-0.126	-0.212	-0.253	-0.389	-25.86
17	-0.132	-0.239	-0.262	-0.439	-30.689	-0.123	-0.217	-0.252	-0.364	-25.702
18	-0.14	-0.223	-0.28	-0.678	-34.174	-0.121	-0.22	-0.238	-0.419	-26.995
19	-0.13	-0.237	-0.277	-0.406	-28.531	-0.127	-0.207	-0.237	-0.444	-27.723
20	-0.133	-0.223	-0.26	-0.481	-30.71	-0.15	-0.244	-0.263	-0.465	-27.157
21	-0.125	-0.238	-0.267	-0.437	-29.957	-0.128	-0.217	-0.246	-0.461	-27.747
22	-0.125	-0.236	-0.265	-0.51	-31.51	-0.126	-0.22	-0.248	-0.407	-26.641
23	-0.145	-0.254	-0.298	-0.479	-30.276	-0.118	-0.212	-0.231	-0.385	-26.165
24	-0.128	-0.235	-0.264	-0.43	-29.401	-0.138	-0.239	-0.26	-0.424	-26.804
25	-0.143	-0.252	-0.291	-0.599	-31.93	-0.123	-0.234	-0.268	-0.397	-25.459
26	-0.129	-0.252	-0.281	-0.445	-29.426	-0.12	-0.227	-0.242	-0.413	-27.388
27	-0.128	-0.23	-0.27	-0.455	-30.14	-0.12	-0.211	-0.231	-0.405	-26.245
28	-0.13	-0.235	-0.28	-0.459	-30.166	-0.116	-0.208	-0.223	-0.428	-28.162
29	-0.132	-0.256	-0.302	-0.429	-28.395	-0.121	-0.213	-0.234	-0.395	-26.581
30	-0.123	-0.237	-0.274	-0.444	-29.657	-0.12	-0.223	-0.235	-0.421	-26.849
31	-0.124	-0.246	-0.266	-0.424	-29.13	-0.127	-0.238	-0.271	-0.401	-25.844
32	-0.135	-0.233	-0.273	-0.507	-30.768	-0.118	-0.217	-0.249	-0.437	-27.004
33	-0.137	-0.246	-0.282	-0.435	-28.75	-0.121	-0.226	-0.252	-0.375	-25.607
34	-0.159	-0.275	-0.323	-0.541	-31.057	-0.125	-0.217	-0.242	-0.382	-25.739
35	-0.146	-0.265	-0.305	-0.453	-28.863	-0.123	-0.221	-0.253	-0.376	-25.501
36	-0.13	-0.234	-0.273	-0.571	-32.235	-0.14	-0.237	-0.277	-0.631	-29.969
37	-0.136	-0.247	-0.284	-0.459	-29.749	-0.115	-0.215	-0.241	-0.368	-25.421
38	-0.136	-0.238	-0.296	-0.751	-34.756	-0.125	-0.227	-0.252	-0.395	-26.359

Parameter	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	H1 IL-4 Phas	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	H1 IL-5 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.12	-0.22	-0.26	-0.47	-29.64	-0.12	-0.21	-0.24	-0.40	-27.46
STD DEV =	0.01	0.01	0.02	0.07	1.64	0.00	0.01	0.01	0.06	1.45
Cpu										
Cpl	28.43	13.07	10.85	5.12	6.17	59.90	20.05	15.96	7.11	7.48
Cpk	28.43	13.07	10.85	5.12	6.17	59.90	20.05	15.96	7.11	7.48
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.114	-0.219	-0.262	-0.466	-30.24	-0.114	-0.226	-0.233	-0.41	-28.686
2	-0.111	-0.209	-0.249	-0.544	-31.777	-0.119	-0.219	-0.243	-0.369	-26.932
3	-0.117	-0.224	-0.264	-0.407	-27.581	-0.118	-0.22	-0.242	-0.363	-26.721
4	-0.111	-0.224	-0.259	-0.437	-29.698	-0.12	-0.22	-0.245	-0.364	-27.07
5	-0.115	-0.235	-0.274	-0.416	-27.527	-0.115	-0.217	-0.249	-0.487	-29.896
6	-0.117	-0.237	-0.278	-0.566	-32.538	-0.123	-0.23	-0.264	-0.426	-28.222
7	-0.12	-0.213	-0.259	-0.522	-30.887	-0.115	-0.209	-0.23	-0.386	-27.275
8	-0.12	-0.217	-0.248	-0.419	-29.292	-0.117	-0.21	-0.244	-0.346	-25.864
9	-0.126	-0.219	-0.254	-0.454	-30.151	-0.119	-0.214	-0.237	-0.506	-29.72
10	-0.124	-0.231	-0.277	-0.441	-29.572	-0.121	-0.201	-0.23	-0.422	-28.377
11	-0.117	-0.199	-0.244	-0.612	-32.333	-0.113	-0.207	-0.234	-0.389	-27.904
12	-0.125	-0.222	-0.26	-0.417	-28.666	-0.125	-0.225	-0.246	-0.373	-26.855
13	-0.122	-0.228	-0.259	-0.422	-29.076	-0.139	-0.233	-0.242	-0.463	-28.647
14	-0.118	-0.208	-0.236	-0.453	-29.083	-0.117	-0.203	-0.23	-0.481	-29.799
15	-0.109	-0.194	-0.243	-0.493	-30.731	-0.124	-0.198	-0.227	-0.451	-28.751
16	-0.124	-0.214	-0.257	-0.434	-29.292	-0.117	-0.21	-0.247	-0.352	-26.147
17	-0.114	-0.202	-0.245	-0.59	-32.494	-0.12	-0.216	-0.24	-0.357	-27.237
18	-0.115	-0.212	-0.244	-0.431	-29.474	-0.117	-0.193	-0.222	-0.419	-29.103
19	-0.123	-0.222	-0.256	-0.421	-28.737	-0.125	-0.202	-0.21	-0.421	-28.093
20	-0.132	-0.222	-0.262	-0.407	-28.106	-0.119	-0.194	-0.211	-0.382	-27.795
21	-0.121	-0.22	-0.28	-0.718	-34.317	-0.122	-0.218	-0.243	-0.372	-27.411
22	-0.111	-0.22	-0.249	-0.411	-28.199	-0.115	-0.22	-0.238	-0.349	-25.814
23	-0.12	-0.223	-0.246	-0.494	-31.246	-0.121	-0.204	-0.246	-0.614	-31.698
24	-0.124	-0.211	-0.26	-0.553	-31.786	-0.113	-0.223	-0.251	-0.353	-26.003
25	-0.114	-0.225	-0.256	-0.467	-29.862	-0.12	-0.223	-0.242	-0.393	-27.614
26	-0.137	-0.241	-0.29	-0.629	-32.195	-0.116	-0.207	-0.228	-0.416	-27.98
27	-0.115	-0.223	-0.266	-0.422	-27.74	-0.109	-0.232	-0.257	-0.358	-26.085
28	-0.113	-0.228	-0.271	-0.411	-28.326	-0.122	-0.209	-0.231	-0.406	-27.688
29	-0.124	-0.229	-0.273	-0.439	-28.842	-0.117	-0.211	-0.234	-0.393	-27.637
30	-0.109	-0.234	-0.275	-0.408	-28.123	-0.115	-0.213	-0.246	-0.357	-26.21
31	-0.122	-0.223	-0.261	-0.397	-27.814	-0.121	-0.222	-0.259	-0.376	-27.101
32	-0.17	-0.288	-0.33	-0.477	-28.677	-0.119	-0.208	-0.234	-0.459	-28.812
33	-0.119	-0.217	-0.246	-0.441	-28.848	-0.119	-0.216	-0.242	-0.345	-24.975
34	-0.117	-0.233	-0.271	-0.414	-28.663	-0.119	-0.221	-0.254	-0.359	-25.571
35	-0.13	-0.22	-0.25	-0.431	-28.853	-0.122	-0.217	-0.251	-0.344	-25.068
36	-0.122	-0.223	-0.265	-0.412	-28.05	-0.115	-0.205	-0.231	-0.347	-26.547
37	-0.11	-0.214	-0.247	-0.415	-28.843	-0.123	-0.217	-0.253	-0.353	-26.259
38	-0.123	-0.23	-0.259	-0.415	-28.5	-0.113	-0.211	-0.247	-0.35	-26.046

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6	CH1 IL-6	H1 IL-6 Phas	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	H1 IL-7 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.14	-0.25	-0.29	-0.46	-29.94	-0.13	-0.25	-0.30	-0.51	-27.97
STD DEV =	0.05	0.05	0.06	0.08	1.38	0.03	0.03	0.04	0.10	1.83
Cpu										
Cpl	5.86	3.96	3.11	4.72	7.25	9.85	5.44	4.63	3.72	5.84
Cpk	5.86	3.96	3.11	4.72	7.25	9.85	5.44	4.63	3.72	5.84
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.153	-0.259	-0.3	-0.48	-30.39	-0.123	-0.237	-0.294	-0.654	-30.945
2	-0.13	-0.236	-0.258	-0.479	-31.039	-0.129	-0.245	-0.292	-0.579	-30.286
3	-0.129	-0.228	-0.265	-0.441	-30.215	-0.127	-0.25	-0.299	-0.454	-26.659
4	-0.128	-0.238	-0.275	-0.429	-29.709	-0.122	-0.246	-0.281	-0.544	-29.331
5	-0.121	-0.248	-0.282	-0.492	-31.353	-0.125	-0.251	-0.301	-0.455	-26.601
6	-0.126	-0.261	-0.299	-0.426	-28.988	-0.252	-0.39	-0.426	-0.631	-29.251
7	-0.131	-0.221	-0.265	-0.45	-30.104	-0.121	-0.223	-0.268	-0.586	-30.075
8	-0.154	-0.254	-0.293	-0.461	-29.73	-0.128	-0.251	-0.295	-0.641	-30.67
9	-0.126	-0.231	-0.268	-0.548	-32.758	-0.135	-0.243	-0.319	-0.871	-33.294
10	-0.135	-0.239	-0.275	-0.612	-33.46	-0.118	-0.238	-0.294	-0.428	-26.719
11	-0.251	-0.344	-0.419	-0.555	-28.752	-0.12	-0.239	-0.279	-0.457	-26.935
12	-0.153	-0.256	-0.297	-0.416	-28.651	-0.127	-0.23	-0.279	-0.519	-28.883
13	-0.131	-0.24	-0.279	-0.413	-29.081	-0.133	-0.244	-0.293	-0.463	-27.941
14	-0.131	-0.229	-0.266	-0.397	-28.845	-0.157	-0.271	-0.33	-0.484	-26.572
15	-0.13	-0.235	-0.253	-0.441	-30.166	-0.126	-0.239	-0.293	-0.415	-26.46
16	-0.411	-0.5	-0.58	-0.779	-30.558	-0.127	-0.24	-0.286	-0.461	-28.286
17	-0.132	-0.219	-0.257	-0.431	-30.521	-0.13	-0.241	-0.285	-0.435	-27.037
18	-0.126	-0.224	-0.262	-0.389	-29.025	-0.123	-0.224	-0.273	-0.428	-26.911
19	-0.131	-0.213	-0.258	-0.628	-32.964	-0.125	-0.229	-0.268	-0.517	-28.993
20	-0.142	-0.242	-0.285	-0.401	-28.471	-0.127	-0.237	-0.284	-0.43	-26.403
21	-0.127	-0.22	-0.262	-0.391	-28.621	-0.12	-0.231	-0.278	-0.427	-26.961
22	-0.129	-0.248	-0.291	-0.411	-28.462	-0.129	-0.24	-0.29	-0.433	-26.683
23	-0.145	-0.237	-0.279	-0.402	-28.443	-0.123	-0.234	-0.286	-0.592	-30.348
24	-0.126	-0.228	-0.269	-0.413	-29.296	-0.118	-0.239	-0.287	-0.424	-27.097
25	-0.122	-0.245	-0.272	-0.416	-28.994	-0.125	-0.267	-0.324	-0.441	-26.239
26	-0.132	-0.219	-0.256	-0.405	-29.347	-0.12	-0.254	-0.31	-0.454	-27.242
27	-0.132	-0.233	-0.285	-0.408	-29.513	-0.125	-0.253	-0.308	-0.433	-26.534
28	-0.132	-0.23	-0.268	-0.436	-30.106	-0.124	-0.259	-0.301	-0.454	-27.394
29	-0.125	-0.226	-0.266	-0.557	-32.579	-0.125	-0.256	-0.313	-0.463	-27.428
30	-0.136	-0.236	-0.277	-0.504	-31.355	-0.147	-0.282	-0.326	-0.458	-26.204
31	-0.122	-0.238	-0.285	-0.407	-28.357	-0.127	-0.254	-0.299	-0.451	-26.858
32	-0.123	-0.231	-0.269	-0.483	-30.731	-0.133	-0.253	-0.298	-0.585	-29.497
33	-0.139	-0.243	-0.274	-0.444	-29.694	-0.257	-0.381	-0.454	-0.584	-25.998
34	-0.128	-0.222	-0.26	-0.395	-29.136	-0.131	-0.255	-0.289	-0.482	-28.228
35	-0.134	-0.231	-0.262	-0.426	-29.658	-0.129	-0.25	-0.299	-0.432	-25.938
36	-0.131	-0.236	-0.276	-0.386	-28.331	-0.123	-0.237	-0.283	-0.489	-27.837
37	-0.132	-0.236	-0.273	-0.525	-31.977	-0.13	-0.255	-0.31	-0.442	-25.925
38	-0.122	-0.236	-0.28	-0.407	-28.492	-0.132	-0.242	-0.31	-0.726	-32.214

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	H1 IL-8 Phas	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-50	-40	-33	-28	-50
LowLimit	-1	-0.8	-0.8	-1.6	-60					
Average =	-0.13	-0.25	-0.31	-0.49	-29.87	-89.61	-65.09	-58.41	-52.48	-88.72
STD DEV =	0.02	0.03	0.03	0.05	1.03	4.62	5.48	5.61	3.49	3.96
Cpu						2.86	1.53	1.51	2.34	3.26
Cpl	12.39	6.90	5.68	7.00	9.80					
Cpk	12.39	6.90	5.68	7.00	9.80	2.86	1.53	1.51	2.34	3.26
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.122	-0.25	-0.3	-0.438	-28.845	-89.981	-65.175	-77.724	-56.942	-88.402
2	-0.13	-0.256	-0.307	-0.472	-29.859	-85.673	-62.07	-62.913	-55.503	-89.541
3	-0.135	-0.264	-0.306	-0.496	-30.452	-90.122	-65.784	-59.521	-55.985	-89.409
4	-0.134	-0.249	-0.306	-0.475	-29.47	-86.22	-63.671	-57.216	-54.632	-92.551
5	-0.129	-0.269	-0.313	-0.5	-30.115	-91.344	-63.093	-56.554	-53.035	-87.034
6	-0.131	-0.277	-0.325	-0.486	-29.555	-92.327	-66.852	-58.42	-50.63	-87.629
7	-0.126	-0.253	-0.306	-0.647	-32.35	-95.748	-64.494	-58.567	-55.522	-93.644
8	-0.156	-0.28	-0.33	-0.514	-29.989	-95.798	-69.793	-60.558	-49.549	-79.866
9	-0.125	-0.24	-0.288	-0.464	-29.685	-89.94	-60.548	-54.936	-52.333	-89.604
10	-0.122	-0.233	-0.279	-0.424	-28.631	-86.522	-64.323	-48.673	-47.12	-91.117
11	-0.126	-0.232	-0.278	-0.502	-30.773	-87.428	-64.334	-58.03	-55.326	-97.125
12	-0.124	-0.237	-0.285	-0.508	-30.203	-91.162	-63.412	-57.914	-55.479	-86.45
13	-0.124	-0.249	-0.301	-0.429	-28.928	-79.375	-53.353	-46.656	-40.192	-79.432
14	-0.128	-0.245	-0.289	-0.502	-30.615	-86.926	-76.776	-65.579	-54.793	-92.981
15	-0.123	-0.242	-0.286	-0.434	-28.605	-94.986	-78.45	-63.423	-52.275	-90.692
16	-0.116	-0.241	-0.289	-0.425	-28.584	-91.914	-61.254	-54.574	-52.884	-87.512
17	-0.121	-0.234	-0.287	-0.467	-29.44	-92.334	-66.818	-61.048	-58.134	-92.397
18	-0.133	-0.256	-0.307	-0.483	-29.547	-89.943	-72.911	-59.074	-48.109	-88.094
19	-0.129	-0.235	-0.294	-0.462	-29.332	-90.102	-63.561	-57.07	-54.936	-89.023
20	-0.12	-0.242	-0.287	-0.429	-28.591	-83.171	-59.835	-54.339	-53.205	-88.405
21	-0.124	-0.239	-0.282	-0.433	-28.858	-97.122	-75.543	-72.125	-56.829	-84.489
22	-0.267	-0.398	-0.459	-0.624	-28.946	-101.781	-64.286	-57.79	-53.126	-84.139
23	-0.139	-0.261	-0.309	-0.586	-32.255	-90.756	-71.786	-60.193	-50.254	-90.832
24	-0.136	-0.263	-0.318	-0.461	-28.735	-94.275	-61.959	-54.472	-46.658	-89.175
25	-0.119	-0.261	-0.317	-0.505	-30.913	-92.561	-73.416	-61.177	-49.987	-88.531
26	-0.126	-0.249	-0.299	-0.477	-30.305	-90.127	-68.745	-62.881	-53.851	-89.827
27	-0.128	-0.253	-0.308	-0.451	-28.764	-84.733	-59.326	-53.735	-51.792	-85.976
28	-0.132	-0.247	-0.304	-0.596	-31.743	-87.123	-63.524	-57.561	-53.802	-84.333
29	-0.129	-0.256	-0.294	-0.477	-29.833	-89.87	-66.083	-59.93	-55.535	-84.44
30	-0.129	-0.249	-0.314	-0.518	-30.842	-91.092	-62.224	-55.916	-53.107	-90.068
31	-0.126	-0.258	-0.314	-0.453	-28.898	-85.194	-65.061	-59.661	-56.228	-89.955
32	-0.122	-0.255	-0.311	-0.458	-29.595	-88.955	-62.669	-56.083	-51.038	-91.107
33	-0.119	-0.249	-0.301	-0.456	-29.925	-96.628	-60.712	-54.448	-52.056	-91.15
34	-0.124	-0.247	-0.28	-0.445	-28.94	-84.998	-71.691	-63.5	-52.261	-85.625
35	-0.137	-0.271	-0.334	-0.491	-30.063	-86.213	-60.687	-54.922	-51.673	-92.645
36	-0.125	-0.241	-0.292	-0.488	-29.968	-85.069	-55.86	-50.118	-46.693	-80.083
37	-0.128	-0.255	-0.314	-0.543	-31.479	-80.136	-58.026	-52.546	-49.92	-95.611
38	-0.127	-0.238	-0.284	-0.538	-31.394	-87.562	-65.457	-59.667	-52.84	-92.55

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-50	-40	-33	-28	-50	-40	-33
LowLimit										
Average =	-66.29	-61.26	-51.00	-93.06	-67.21	-60.86	-55.60	-92.09	-71.00	-64.11
STD DEV =	6.14	5.24	5.40	6.17	4.81	5.27	4.89	5.54	7.06	7.15
Cpu	1.43	1.80	1.42	2.33	1.89	1.76	1.88	2.53	1.46	1.45
Cpl										
Cpk	1.43	1.80	1.42	2.33	1.89	1.76	1.88	2.53	1.46	1.45
DATA	-	-	-	-	-	-	-	-	-	-
1	-57.07	-55.279	-53.456	-87.494	-70.94	-60.564	-50.342	-89.354	-70.466	-61.357
2	-59.14	-61.555	-55.351	-89.472	-64.215	-55.445	-46.229	-88.228	-68.23	-62.836
3	-59.599	-54.874	-42.742	-85.967	-63.675	-57.568	-55.004	-103.152	-72.365	-64.964
4	-55.893	-64.599	-49.846	-109.23	-72.505	-67.894	-55.696	-92.281	-70.035	-63.311
5	-54.645	-67.692	-59.107	-96.674	-63.352	-56.979	-54.732	-86.309	-64.04	-57.772
6	-73.182	-63.302	-46.648	-86.79	-68.298	-61.222	-55.378	-84.688	-67.986	-61.479
7	-64.476	-59.031	-57.631	-94.98	-70.443	-61.243	-52.398	-83.894	-56.249	-49.706
8	-65.742	-52.319	-52.984	-86.851	-64.278	-58.124	-50.385	-98.607	-79.806	-68.372
9	-66.676	-65.395	-49.01	-108.262	-73.032	-65.456	-57.683	-94.672	-59.23	-52.426
10	-64.738	-63.133	-46.753	-91.376	-63.091	-58.129	-55.835	-97.397	-64.464	-57.503
11	-64.178	-65.701	-49.219	-88.771	-57.844	-50.33	-42.817	-86.663	-69.011	-61.944
12	-69.074	-65.581	-49.982	-93.904	-65.689	-60.831	-56.603	-96.682	-77.533	-68.791
13	-64.635	-69.784	-43.075	-88.001	-82.057	-81.597	-68.165	-87.285	-82.619	-72.438
14	-65.003	-65.919	-59.84	-88.995	-61.393	-55.923	-52.221	-99.121	-73.34	-60.702
15	-73.736	-58.792	-47.792	-95.515	-68.158	-61.702	-54.112	-89.188	-59.203	-52.538
16	-70.462	-59.783	-45.934	-94.992	-65.16	-59.937	-58.123	-86.232	-78.446	-72.303
17	-69.192	-60.89	-42.595	-92.971	-69.691	-63.486	-54.276	-97.037	-72.423	-64.164
18	-69.284	-52.745	-53.16	-94.179	-72.694	-66.138	-58.962	-94.243	-78.04	-68.697
19	-73.371	-59.131	-59.39	-93.104	-64.301	-57.095	-55.685	-86.049	-78.032	-72.769
20	-63.524	-67.941	-53.077	-94.993	-72.284	-68.108	-60.585	-90.686	-69.995	-64.282
21	-74.195	-58.599	-52.995	-84.706	-58.034	-50.172	-43.164	-90.835	-70.283	-64.578
22	-67.917	-64.744	-47.237	-98.998	-65.366	-59.901	-58.991	-94.456	-79.936	-75.225
23	-72.045	-57.583	-56.262	-99.576	-65.638	-59.734	-54.855	-87.019	-55.378	-48.638
24	-76.106	-61.913	-43.385	-85.089	-74.746	-61.827	-50.71	-87.407	-68.031	-63.161
25	-70.645	-69.03	-58.43	-98.6	-69.354	-63.541	-57.06	-94.614	-80.198	-80.972
26	-74.612	-69.522	-53.73	-95.758	-59.514	-53.425	-52.531	-99.576	-61.267	-56.865
27	-72.641	-58.438	-46.039	-86.232	-72.336	-63.361	-58.582	-88.071	-72.452	-65.625
28	-63.917	-61.212	-56.854	-88.455	-63.834	-58.508	-56.182	-97.128	-71.007	-62.81
29	-65.404	-60.278	-51.826	-88.651	-67.892	-61.145	-57.375	-86.873	-66.424	-60.324
30	-68.519	-60.508	-49.271	-96.665	-69.716	-64.997	-60.934	-90.426	-71.684	-66.178
31	-55.507	-53.416	-45.758	-97.122	-68.763	-61.831	-56.769	-88.101	-87.044	-79.813
32	-57.1	-64.711	-58.209	-98.419	-65.877	-62.131	-61.62	-92.019	-65.638	-58.298
33	-70.509	-53.693	-59.653	-90.597	-66.493	-60.417	-57.73	-95.261	-70.768	-63.696
34	-60.494	-64.89	-49.884	-86.734	-69.29	-63.175	-58.696	-94.995	-69.751	-62.602
35	-74.182	-52.742	-45.478	-92.137	-65.433	-60.377	-57.585	-109.234	-72.344	-63.788
36	-70.395	-51.015	-56.33	-86.755	-71.069	-63.801	-63.891	-88.406	-73.915	-67.879
37	-55.073	-66.277	-43.564	-107.301	-65.485	-60.177	-56.757	-95.083	-74.855	-66.069
38	-66.162	-65.948	-45.53	-91.809	-62.192	-56.316	-53.95	-87.977	-75.372	-71.21

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-28	-50	-40	-33	-28	-50	-40	-33	-28	-50
LowLimit										
Average =	-51.23	-90.17	-66.17	-58.88	-54.07	-88.63	-66.78	-60.54	-50.37	-91.00
STD DEV =	4.89	4.25	6.19	4.71	4.20	4.74	6.05	5.69	5.49	6.79
Cpu	1.58	3.15	1.41	1.83	2.07	2.72	1.48	1.61	1.36	2.01
Cpl										
Cpk	1.58	3.15	1.41	1.83	2.07	2.72	1.48	1.61	1.36	2.01
DATA	-	-	-	-	-	-	-	-	-	-
1	-58.14	-99.443	-64.13	-58.049	-56.127	-87.366	-59.427	-52.361	-43.967	-115.261
2	-52.481	-91.173	-59.061	-52.905	-50.456	-84.253	-75.486	-59.041	-49.832	-89.905
3	-51.421	-89.692	-60.312	-54.76	-53.066	-91.482	-62.059	-70.061	-43.615	-91.652
4	-43.782	-91.703	-60.625	-54.497	-52.041	-85.532	-60.695	-51.554	-59.556	-96.434
5	-50.552	-88.408	-80.492	-68.441	-53.64	-84.902	-61.073	-59.808	-48.452	-93.372
6	-49.404	-90.65	-64.406	-58.846	-59.025	-88.37	-75.859	-63.927	-53.427	-94.999
7	-42.695	-87.024	-68.553	-59.343	-49.215	-96.422	-66.46	-63.118	-46.829	-75.543
8	-53.474	-87.595	-63.78	-58.197	-55.854	-79.122	-70.67	-65.852	-54.461	-99.138
9	-59.291	-83.131	-55.287	-47.926	-41.013	-75.533	-74.897	-60.399	-56.883	-86.256
10	-43.503	-85.638	-64.993	-56.107	-46.494	-90.396	-59.888	-65.311	-57.098	-88.596
11	-45.44	-89.199	-63.908	-57.605	-54.944	-91.018	-63.874	-61.606	-49.745	-85.661
12	-52.389	-86.585	-64.709	-58.883	-57.848	-84.734	-65.179	-64.608	-47.779	-91.385
13	-49.599	-88.435	-66.667	-59.098	-60.322	-84.536	-73.59	-50.847	-49.312	-89.167
14	-46.328	-88.96	-72.599	-65.866	-59.679	-95.8	-58.84	-65.235	-45.011	-86.919
15	-44.449	-92.33	-82.958	-66.402	-53.708	-88.262	-68.86	-58.031	-56.45	-103.137
16	-59.872	-85.709	-61.997	-56.188	-53.478	-94.873	-56.866	-58.121	-46.774	-89.348
17	-55.205	-93.664	-78.153	-64.436	-53.114	-89.735	-66.4	-49.807	-49.548	-95.004
18	-54.852	-90.094	-61.558	-55.608	-54.305	-92.705	-65.025	-62.924	-44.616	-87.276
19	-51.786	-86.972	-58.836	-51.298	-43.417	-81.747	-65.689	-62.538	-55.058	-95.21
20	-44.809	-88.382	-63.781	-57.177	-54.441	-95.256	-73.602	-50.891	-59.374	-95.8
21	-57.759	-91.871	-66.479	-59.419	-56.946	-91.601	-75.06	-69.907	-59.725	-90.1
22	-54.872	-84.145	-66.517	-59.362	-56.797	-89.622	-62.367	-50.407	-56.635	-86.841
23	-58.188	-90.108	-78.131	-71.923	-61.957	-84.383	-75.888	-53.862	-47.825	-79.912
24	-55.253	-91.37	-63.166	-57.134	-54.068	-89.138	-73.115	-62.89	-46.403	-91.557
25	-47.29	-85.386	-64.714	-58.928	-57.238	-89.993	-65.165	-69.358	-43.298	-85.642
26	-56.556	-92.646	-67.333	-60.312	-56.529	-84.874	-59.253	-57.747	-55.328	-89.616
27	-42.645	-91.709	-63.017	-57.611	-55.279	-90.508	-71.352	-61.401	-58.302	-94.183
28	-49.516	-93.548	-77.829	-68.132	-54.457	-89.532	-56.682	-64.015	-59.997	-84.62
29	-53.517	-88.82	-69.544	-60.789	-51.327	-91.117	-68.9	-65.094	-44.687	-84.758
30	-48.499	-91.758	-70.626	-63.912	-54.533	-89.083	-68.505	-61.876	-44.854	-84.444
31	-56.956	-91.099	-63.292	-57.207	-53.931	-93.403	-58.187	-63.039	-52.466	-93.639
32	-53.602	-88.21	-67.894	-57.754	-48.121	-78.357	-75.259	-58.821	-46.761	-91.869
33	-46.361	-107.301	-65.296	-58.074	-55.117	-88.441	-73.384	-56.264	-48.348	-87.428
34	-51.485	-93.908	-59.692	-53.44	-51.246	-89.258	-71.004	-53.483	-43	-99.571
35	-55.226	-92.234	-63.483	-57.458	-55.54	-92.317	-62.306	-67.214	-44.29	-94.442
36	-49.147	-88.434	-63.579	-58.522	-56.446	-88.216	-71.398	-63.33	-44.161	-83.953
37	-52.124	-93.552	-61.449	-56.722	-55.856	-93.51	-61.885	-68.152	-46.514	-97.172
38	-48.263	-85.551	-65.429	-59.038	-57.183	-92.697	-63.616	-57.474	-53.751	-88.224

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-18	-18	-18	-16	-14.4	-11	-9
LowLimit										
Average =	-64.34	-57.58	-52.63	-32.72	-31.85	-31.71	-23.03	-21.88	-16.98	-12.44
STD DEV =	5.70	5.11	4.85	2.40	3.28	2.97	1.41	1.46	1.13	0.85
Cpu	1.42	1.60	1.69	2.05	1.41	1.54	1.66	1.71	1.77	1.36
Cpl										
Cpk	1.42	1.60	1.69	2.05	1.41	1.54	1.66	1.71	1.77	1.36
DATA	-	-	-	-	-	-	-	-	-	-
1	-68.499	-61.741	-57.899	-35.251	-34.262	-35.661	-22.852	-21.261	-15.14	-11.836
2	-60.219	-54.317	-50.961	-31.755	-30.032	-29.899	-20.961	-22.45	-18.751	-13.314
3	-63.738	-56.584	-52.361	-34.903	-28.616	-31.78	-20.306	-22.767	-15.675	-12.958
4	-72.656	-63.761	-52.931	-32.56	-29.239	-36.671	-22.434	-19.646	-16.684	-13.191
5	-64.863	-58.353	-55.504	-32.011	-29.809	-31.874	-23.718	-21.592	-18.286	-12.924
6	-61.606	-56.299	-54.957	-32.271	-31.297	-29.475	-24.315	-20.379	-15.834	-12.859
7	-46.841	-40.22	-34.357	-35.657	-34.783	-31.981	-23.091	-21.96	-16.55	-13.359
8	-66.73	-59.411	-50.113	-34.165	-27.646	-29.282	-24.366	-23.958	-18.951	-11.861
9	-69.34	-65.996	-55.996	-33.097	-34.362	-29.946	-24.07	-21.691	-16.766	-13.17
10	-60.527	-54.605	-51.089	-29.602	-35.919	-35.639	-23.776	-23.526	-18.674	-13.615
11	-60.964	-52.658	-44.938	-35.233	-33.412	-26.27	-24.757	-19.456	-17.335	-11.632
12	-74.265	-65.268	-56.637	-31.356	-26.391	-33.188	-22.725	-21.223	-18.371	-12.379
13	-66.578	-61.385	-57.331	-34.969	-26.151	-26.351	-23.447	-22.502	-18.59	-12.933
14	-60.647	-54.853	-52.306	-28.388	-36.853	-27.049	-21.5	-23.812	-16.271	-11.196
15	-67.868	-60.654	-54.575	-36.835	-28.099	-32.376	-22.937	-22.444	-18.676	-11.257
16	-74.626	-64.758	-54.555	-28.436	-36.265	-35.31	-22.278	-22.122	-17.914	-11.64
17	-59.889	-54.159	-52.074	-29.985	-31.151	-33.924	-23.892	-19.441	-18.846	-12.091
18	-63.172	-56.894	-54.208	-30.041	-28.989	-36.733	-21.591	-23.648	-15.888	-12.7
19	-68.281	-60.338	-55.351	-34.094	-36.637	-35.039	-22.475	-22.613	-16.833	-11.172
20	-63.184	-57.523	-54.241	-34.1	-26.175	-33.201	-20.174	-23.052	-16.918	-12.486
21	-61.538	-55.431	-52.942	-36.439	-36.568	-32.591	-22.685	-20.397	-15.549	-13.262
22	-63.672	-57.501	-54.679	-33.891	-31.3	-34.065	-24.352	-22.18	-16.774	-12.96
23	-55.428	-48.357	-41.13	-32.509	-29.628	-30.601	-20.973	-23.492	-16.056	-13.602
24	-70.682	-60.652	-50.989	-33.136	-34.546	-32.735	-24.733	-21.809	-16.063	-12.947
25	-62.468	-57.033	-54.311	-36.03	-33.338	-30.935	-20.283	-19.282	-15.82	-11.201
26	-67.895	-61.621	-55.846	-30.133	-31.843	-34.359	-23.658	-23.408	-16.009	-11.808
27	-66.806	-58.471	-54.033	-33.823	-31.595	-33.756	-23.516	-20.05	-16.664	-11.22
28	-61.693	-54.592	-49.985	-33.9	-30.635	-29.059	-24.851	-22.953	-16.072	-12.045
29	-64.646	-58.148	-54.384	-32.561	-33.124	-34.938	-23.704	-23.829	-16.387	-11.183
30	-64.453	-58.201	-54.528	-33.767	-27.636	-33.874	-20.39	-19.5	-16.6	-12.059
31	-60.973	-54.846	-51.965	-30.841	-33.359	-33.71	-24.193	-21.382	-16.836	-13.212
32	-72.616	-67.074	-62.358	-28.289	-29.055	-30.17	-23.486	-22.036	-18.501	-11.364
33	-62.738	-56.635	-54.502	-31.707	-36.454	-26.538	-23.895	-19.336	-17.15	-12.712
34	-75.87	-63.917	-55.882	-34.213	-28.43	-26.871	-24.609	-20.065	-15.686	-12.612
35	-63.207	-57.722	-55.168	-28.161	-35.678	-31.823	-24.793	-23.162	-16.625	-13.048
36	-55.978	-50.148	-46.764	-30.11	-36.249	-27.861	-21.387	-22.828	-15.401	-13.911
37	-61.465	-56.046	-53.088	-35.485	-30.438	-28.968	-24.107	-23.18	-17.988	-13.816
38	-58.483	-51.94	-44.896	-33.764	-34.3	-30.459	-23.877	-22.961	-18.12	-11.286

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-11	-9	-18	-18	-18
LowLimit										
Average =	-32.50	-31.57	-31.41	-22.65	-21.95	-17.28	-12.58	-32.77	-31.02	-32.26
STD DEV =	2.44	3.14	3.28	1.11	1.38	1.22	0.80	2.37	3.12	3.06
Cpu	1.98	1.44	1.36	1.99	1.82	1.72	1.50	2.07	1.39	1.55
Cpl										
Cpk	1.98	1.44	1.36	1.99	1.82	1.72	1.50	2.07	1.39	1.55
DATA	-	-	-	-	-	-	-	-	-	-
1	-33.28	-28.455	-32.525	-22.855	-22.515	-18.186	-12.508	-31.437	-28.342	-30.669
2	-35.187	-33.634	-35.491	-21.191	-23.05	-15.607	-11.513	-34.253	-36.155	-31.308
3	-32.667	-28.405	-28.615	-22.429	-20.86	-17.579	-12.911	-36.525	-29.812	-28.752
4	-34.945	-31.615	-33.335	-22.933	-22.076	-15.506	-13.796	-30.636	-31.962	-36.035
5	-32.198	-35.086	-26.204	-23.449	-22.064	-16.075	-12.953	-30.172	-31.541	-32.284
6	-30.875	-30.488	-32.327	-21.781	-23.395	-18.789	-12.429	-34.227	-29.212	-36.673
7	-32.067	-33.22	-33.384	-24.172	-23.054	-17.409	-12.935	-35.393	-28.94	-27.845
8	-33.736	-27.161	-33.756	-21.618	-22.512	-16.855	-14.011	-35.612	-30.171	-33.317
9	-32.09	-28.161	-26.518	-20.196	-19.874	-17.669	-13.901	-33.289	-32.801	-36.944
10	-28.445	-31.445	-35.836	-24.357	-23.182	-18.653	-11.888	-32.906	-31.665	-26.794
11	-31.512	-32.552	-30.949	-21.873	-20.64	-17.791	-12.061	-30.541	-33.035	-33.39
12	-29.875	-27.036	-27.265	-24.008	-22.804	-16.931	-13.197	-34.753	-31.829	-29.663
13	-34.097	-32.174	-35.67	-21.967	-23.072	-18.44	-13.61	-33.519	-28.755	-34.913
14	-29.028	-34.59	-34.276	-22.71	-19.597	-18.888	-11.153	-31.464	-26.369	-30.03
15	-36.568	-27.575	-30.901	-22.444	-20.524	-18.907	-11.903	-34.186	-26.877	-37.013
16	-35.259	-36.5	-27.47	-23.713	-20.408	-15.249	-11.242	-30.643	-36.384	-33.748
17	-35.451	-33.433	-27.688	-20.57	-22.256	-18.507	-11.957	-34.036	-31.591	-32.077
18	-29.726	-36.91	-36.665	-23.741	-23.531	-18.666	-11.668	-31.268	-28.799	-36.649
19	-35.041	-32.385	-36.572	-24.954	-23.111	-17.875	-11.887	-28.993	-26.209	-33.813
20	-30.596	-35.749	-32.411	-21.25	-23.45	-18.64	-13.723	-34.082	-33.196	-29.235
21	-32.835	-33.311	-31.993	-22.881	-19.603	-16.216	-13.329	-29.142	-33.049	-34.259
22	-34.965	-27.984	-31.672	-22.892	-23.987	-15.587	-12.24	-32.758	-34.607	-30.832
23	-36.262	-30.052	-33.977	-23.108	-21.354	-17.96	-13.067	-32.145	-34	-29.927
24	-35.921	-29.416	-31.303	-22.752	-21.318	-15.403	-11.273	-35.02	-27.842	-34.916
25	-28.657	-36.005	-36.066	-22.008	-21.786	-15.57	-11.925	-35.768	-29.86	-27.147
26	-32.049	-30.277	-27.674	-22.037	-22.901	-17.249	-12.38	-33.676	-29.789	-30.307
27	-34.612	-27.28	-27.723	-20.773	-19.943	-15.899	-13.333	-32.951	-29.075	-31.313
28	-29.507	-35.537	-27.562	-22.436	-22.804	-15.385	-13.613	-34.125	-27.136	-36.518
29	-32.186	-32.669	-33.208	-23.385	-20.038	-18.757	-12.815	-33.069	-29.408	-26.31
30	-28.971	-31.98	-36.974	-22.181	-23.531	-15.652	-12.438	-28.711	-36.891	-30.657
31	-36.719	-33.636	-28.013	-23.104	-23.792	-18.384	-11.882	-36.754	-36.215	-35.06
32	-32.368	-35.377	-29.955	-23.922	-19.563	-19.021	-12.862	-32.556	-33.452	-35.265
33	-30.861	-26.989	-31.15	-23.132	-19.432	-16.998	-13.393	-28.877	-27.57	-32.816
34	-30.769	-30.802	-26.698	-22.1	-21.305	-17.019	-12.449	-29.3	-34.727	-35.255
35	-32.817	-35.009	-28.14	-20.995	-22.9	-17.269	-12.888	-29.826	-28.899	-29.141
36	-33.882	-33.42	-32.53	-24.239	-22.058	-17.887	-11.353	-35.944	-36.699	-29.243
37	-30.578	-26.643	-27.768	-23.701	-22.476	-17.693	-12.61	-30.17	-27.175	-34.789
38	-28.538	-26.8	-33.259	-22.808	-23.153	-16.64	-13.042	-36.588	-28.714	-31.097

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4	-11
LowLimit										
Average =	-22.91	-21.04	-17.19	-12.46	-32.68	-31.63	-31.29	-22.63	-21.58	-17.30
STD DEV =	1.37	1.20	1.14	0.82	2.24	3.32	3.15	1.24	1.47	1.06
Cpu	1.68	1.85	1.81	1.41	2.18	1.37	1.41	1.79	1.63	1.97
Cpl										
Cpk	1.68	1.85	1.81	1.41	2.18	1.37	1.41	1.79	1.63	1.97
DATA	-	-	-	-	-	-	-	-	-	-
1	-21.961	-21.097	-15.255	-12.264	-31.654	-26.528	-28.924	-21.736	-22.226	-15.913
2	-24.703	-19.633	-18.974	-12.463	-35.141	-32.2	-35.448	-21.923	-21.968	-18.889
3	-23.254	-21.671	-18.207	-11.446	-28.663	-30.204	-35.138	-21.914	-22.684	-16.052
4	-25.002	-22.644	-17.166	-12.114	-33.552	-26.251	-32.594	-20.582	-20.553	-15.764
5	-21.442	-19.71	-18.492	-13.707	-34.745	-35.981	-26.461	-22.948	-20.855	-17.27
6	-20.6	-22.647	-15.49	-12.428	-36.703	-35.84	-27.359	-24.14	-20.624	-18.745
7	-23.405	-19.941	-17.103	-13.545	-32.577	-32.016	-26.47	-21.707	-19.548	-18.438
8	-23.179	-22.254	-17.647	-13.753	-33.362	-27.422	-29.862	-24.48	-21.177	-18.741
9	-23.376	-21.355	-18.169	-11.657	-34.371	-31.765	-31.975	-22.336	-20.533	-16.509
10	-22.032	-21.684	-15.539	-11.432	-33.913	-36.93	-30.854	-22.636	-23.905	-18.585
11	-21.429	-21.548	-18.771	-13.49	-28.502	-33.215	-35.797	-20.976	-21.087	-18.178
12	-24.315	-20.055	-17.433	-11.209	-33.104	-29.186	-27.927	-23.166	-22.029	-17.769
13	-24.762	-21.657	-16.371	-13.518	-32.168	-29.381	-27.445	-20.764	-21.373	-16.608
14	-24.954	-20.298	-17.974	-12.579	-32.977	-30.439	-33.213	-23.661	-19.731	-18.857
15	-23.984	-20.056	-15.534	-12.501	-29.719	-32.955	-29.633	-21.358	-23.409	-17.08
16	-24.421	-19.856	-17.06	-11.355	-33.884	-35.222	-36.539	-24.591	-21.747	-17.927
17	-24.963	-22.315	-18.996	-12.19	-31.07	-32.064	-30.499	-21.019	-23.479	-15.896
18	-21.504	-19.174	-17.884	-13.671	-33.028	-35.617	-34.753	-22.642	-23.947	-18.722
19	-23.876	-20.678	-16.888	-12.686	-31.214	-32.298	-33.861	-23.372	-22.317	-16.606
20	-23.331	-23	-16.875	-11.178	-31.854	-26.774	-33.385	-22.662	-22.861	-17.448
21	-22.901	-20.941	-17.175	-12.441	-33.129	-28.721	-29.791	-23.834	-20.347	-16.621
22	-21.37	-22.277	-18.486	-12.645	-31.407	-30.164	-26.742	-22.188	-20.457	-18.337
23	-21.648	-22.176	-16.434	-12.639	-34.388	-33.457	-28.467	-23.006	-19.731	-17.043
24	-24.734	-21.193	-18.672	-11.219	-30.461	-34.43	-35.193	-24.333	-20.239	-16.67
25	-21.172	-19.719	-16.785	-11.33	-34.232	-32.423	-33.439	-22.816	-21.865	-17.402
26	-22.058	-20.568	-17.809	-11.275	-34.456	-26.806	-30.91	-20.81	-21.964	-15.997
27	-21.458	-19.587	-16.469	-12.689	-36.126	-26.44	-29.147	-23.93	-23.408	-16.324
28	-24.086	-22.67	-15.842	-11.837	-31.285	-26.822	-29.945	-22.465	-20.592	-16.131
29	-22.201	-19.248	-15.605	-12.579	-35.502	-36.012	-36.537	-21.775	-23.845	-18.708
30	-23.453	-21.777	-18.815	-13.283	-31.43	-33.613	-30.73	-24.365	-23.909	-15.701
31	-21.56	-23.267	-16.978	-12.956	-34.945	-31.322	-34.154	-24.605	-23.879	-18.257
32	-22.821	-19.599	-17.968	-12.603	-28.21	-28.75	-30.933	-22.168	-22.45	-16.284
33	-20.714	-20.991	-15.619	-11.592	-28.301	-36.516	-34.874	-24.937	-19.698	-17.801
34	-21.14	-19.62	-17.512	-13.122	-31.787	-36.439	-31.209	-20.806	-19.27	-17.544
35	-25.008	-19.243	-18.887	-13.456	-36.17	-29.315	-26.965	-21.899	-19.676	-15.808
36	-21.614	-22.514	-15.818	-12.024	-32.761	-32.763	-35.943	-23.143	-19.711	-16.288
37	-23.488	-21.652	-15.995	-13.705	-30.017	-29.248	-28.201	-22.921	-22.655	-18.587
38	-22.539	-21.074	-16.398	-12.811	-34.966	-36.423	-27.7	-21.239	-20.306	-17.913

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-9	-18	-18	-18	-16	-14.4	-11	-9	-18	-18
LowLimit										
Average =	-12.63	-32.18	-31.96	-30.30	-22.66	-21.12	-17.20	-12.55	-32.34	-31.37
STD DEV =	0.75	2.71	3.04	2.81	1.21	1.36	1.04	0.83	2.63	2.97
Cpu	1.61	1.75	1.53	1.46	1.84	1.64	1.98	1.42	1.81	1.50
Cpl										
Cpk	1.61	1.75	1.53	1.46	1.84	1.64	1.98	1.42	1.81	1.50
DATA	-	-	-	-	-	-	-	-	-	-
1	-13.3	-36.947	-28.09	-27.109	-21.264	-24.02	-18.042	-11.787	-36.057	-32.864
2	-13.621	-31.277	-35.974	-26.825	-24.467	-22.728	-17.484	-12.026	-30.794	-35.604
3	-11.636	-30.322	-34.051	-30.518	-23.285	-22.497	-18.148	-11.748	-35.346	-35.105
4	-12.453	-30.631	-35.325	-29.364	-22.04	-23.834	-18.497	-12.384	-28.228	-27.621
5	-11.327	-28.62	-33.461	-32.028	-22.21	-20.87	-16.812	-12.24	-33.839	-33.036
6	-11.392	-29.472	-31.276	-28.97	-23.852	-22.665	-15.683	-13.118	-29.99	-29.912
7	-13.785	-30.037	-32.382	-26.688	-24.732	-20.913	-15.621	-13.424	-31.963	-28.419
8	-13.281	-35.312	-32.236	-33.59	-22.042	-20.715	-16.471	-12.163	-28.281	-34.633
9	-11.915	-31.147	-34.717	-32.034	-23.133	-20.533	-16.414	-13.341	-36.34	-36.978
10	-12.093	-28.183	-33.133	-26.61	-22.237	-21.258	-15.245	-12.105	-31.136	-31.731
11	-13.898	-29.484	-31.772	-27.623	-24.615	-20.393	-16.508	-13.107	-29.45	-34.33
12	-12.081	-33.432	-27.972	-29.545	-23.46	-19.775	-18.462	-11.501	-34.399	-28.027
13	-13.278	-34.46	-29.134	-31.355	-20.293	-21.709	-16.335	-11.177	-36.38	-31.508
14	-13.511	-29.863	-35.491	-32.938	-21.552	-20.769	-18.943	-13.066	-28.219	-28.848
15	-13.432	-35.878	-33.34	-36.328	-21.766	-23.323	-17.389	-11.167	-35.016	-30.5
16	-13.468	-36.423	-29.413	-29.241	-24.521	-19.474	-18.19	-13.657	-30.813	-27.029
17	-12.727	-30.097	-36.256	-28.976	-23.751	-23.722	-17.718	-12.704	-33.031	-27.602
18	-12.308	-35.015	-33.012	-31.543	-22.512	-22.67	-15.748	-13.124	-29.163	-30.681
19	-13.109	-35.162	-26.806	-32.629	-21.966	-20.669	-15.139	-14.011	-32.179	-27.865
20	-12.539	-30.272	-28.366	-26.836	-22.144	-19.192	-18.423	-12.585	-35.903	-29.476
21	-11.57	-32.118	-30.545	-30.314	-22.755	-20.195	-18.208	-11.826	-29.724	-31.781
22	-12.734	-34.597	-34.164	-32.974	-24.264	-20.765	-18.224	-11.877	-31.052	-28.333
23	-11.918	-34.91	-30.86	-30.967	-22.377	-20.339	-17.924	-13.097	-35.264	-32.456
24	-11.593	-36.297	-31.323	-27.722	-21.01	-19.408	-16.164	-13.854	-31.896	-33.281
25	-13.05	-31.1	-32.11	-27.681	-20.666	-19.281	-16.746	-11.902	-33.98	-28.557
26	-12.667	-30.076	-36.82	-34.845	-21.801	-22.155	-16.985	-13.846	-32.136	-27.797
27	-11.736	-31.466	-32.76	-29.447	-21.496	-20.789	-18.228	-11.376	-28.155	-34.97
28	-12.624	-29.322	-28.412	-32.34	-21.364	-20.339	-17.899	-11.601	-34.472	-34.498
29	-13.097	-29.118	-36.824	-32.346	-21.771	-21.525	-16.758	-13.404	-28.513	-33.894
30	-12.331	-33.793	-28.312	-26.499	-20.874	-20.786	-16.139	-11.626	-36.712	-33.818
31	-13.29	-36.563	-31.533	-26.205	-24.748	-22.447	-17.068	-12.673	-30.685	-34.472
32	-11.656	-32.479	-26.903	-30.666	-22.427	-19.313	-17.924	-13.509	-29.813	-32.525
33	-12.637	-34.816	-35.78	-35.239	-23.549	-20.497	-18.236	-13.49	-34.145	-33.392
34	-13.075	-32.675	-33.897	-28.314	-23.986	-19.854	-16.027	-11.569	-31.949	-36.619
35	-13.125	-28.592	-35.567	-30.753	-22.708	-22.529	-17.447	-11.761	-33.784	-26.678
36	-13.658	-34.766	-26.648	-34.672	-23.353	-21.3	-17.88	-13.384	-31.52	-27.657
37	-12.781	-29.584	-32.195	-33.522	-22.587	-19.216	-16.116	-13.196	-33.088	-30.489
38	-11.337	-28.707	-27.435	-26.241	-23.578	-20.043	-18.502	-12.487	-35.414	-29.13

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-31.89	-22.77	-21.34	-16.92	-12.61	-32.67	-32.00	-31.85	-22.57	-21.44
STD DEV =	3.38	1.33	1.36	1.00	0.75	2.52	3.14	3.01	1.36	1.39
Cpu	1.37	1.70	1.70	1.97	1.60	1.94	1.49	1.53	1.61	1.68
Cpl										
Cpk	1.37	1.70	1.70	1.97	1.60	1.94	1.49	1.53	1.61	1.68
DATA	-	-	-	-	-	-	-	-	-	-
1	-26.527	-21.754	-23.408	-16.738	-13.727	-30.833	-34.844	-34.953	-23.459	-19.335
2	-36.162	-21.574	-20.293	-17.182	-12.239	-34.815	-27.445	-35.375	-23.302	-23.147
3	-32.101	-23.237	-19.212	-17.469	-12.065	-28.159	-29.459	-29.957	-21.118	-23.01
4	-31.108	-23.942	-19.338	-15.75	-12.151	-36.507	-33.604	-31.481	-21.146	-19.6
5	-29.815	-22.945	-20.173	-18.9	-12.361	-32.251	-34.039	-30.674	-22.094	-23.916
6	-36.211	-24.824	-23.5	-17.36	-11.38	-31.676	-27.521	-29.567	-23.446	-19.361
7	-29.644	-22.04	-21.545	-15.892	-12.88	-32.436	-35.55	-33.781	-24.046	-22.626
8	-28.317	-24.23	-20.059	-15.412	-13.113	-28.145	-34.258	-26.288	-22.852	-22.248
9	-30.943	-24.999	-22.999	-16.284	-12.941	-33.536	-30.519	-30.475	-22.735	-21.216
10	-35.382	-24.055	-19.98	-18.126	-11.295	-34.546	-31.426	-33.296	-21.216	-20.573
11	-36.94	-20.648	-20.033	-17.068	-12.838	-34.558	-36.133	-28.839	-22.272	-21.261
12	-33.738	-23.173	-22.942	-17.954	-13.27	-29.694	-28.223	-30.008	-24.999	-19.608
13	-30.404	-23.425	-21.093	-18.1	-13.66	-31.744	-26.359	-30.969	-22.982	-22.813
14	-31.143	-22.685	-21.113	-17.704	-13.727	-35.17	-34.249	-32.299	-24.64	-20.401
15	-36.639	-24.137	-20.327	-16.189	-11.742	-35.628	-36.482	-27.436	-21.213	-21.607
16	-34.706	-22.19	-22.887	-18.956	-11.831	-36.968	-35.295	-32.117	-24.659	-22.307
17	-31.12	-24.727	-20.352	-15.229	-13.656	-33.066	-30.05	-36.487	-23.175	-20.574
18	-34.068	-21.803	-23.022	-16.177	-13.592	-33.225	-31.272	-32.867	-22.028	-22.189
19	-33.502	-23.02	-22.109	-16.96	-11.261	-28.471	-34.11	-32.137	-20.593	-19.168
20	-32.279	-23.478	-22.296	-16.221	-13.278	-31.458	-36.387	-29.286	-21.168	-23.701
21	-34.678	-23.867	-22.471	-18.083	-11.513	-35.109	-34.15	-30.208	-24.465	-23.753
22	-28.437	-24.444	-20.612	-16.279	-12.585	-32.564	-33.86	-33.514	-21.047	-20.021
23	-36.03	-23.6	-23.12	-16.98	-12.71	-29.957	-26.258	-35.682	-24.362	-20.16
24	-30.245	-21.486	-22.049	-15.805	-13.389	-31.826	-36.925	-27.496	-21.418	-21.647
25	-33.139	-21.572	-21.452	-16.339	-12.057	-30.128	-30.688	-29.14	-20.989	-19.946
26	-26.827	-22.03	-23.531	-17.829	-13.476	-32.471	-31.381	-36.231	-22.217	-21.04
27	-34.851	-24.342	-20.419	-15.966	-11.653	-33.761	-27.188	-27.866	-24.2	-21.673
28	-30.955	-20.206	-20.516	-16.264	-11.806	-29.542	-36.976	-36.684	-21.832	-20.812
29	-27.711	-20.189	-19.979	-17.397	-12.057	-35.165	-34.023	-36.865	-20.146	-20.372
30	-35.788	-21.333	-20.911	-16.706	-13.765	-32.915	-33.736	-26.239	-21.642	-20.181
31	-35.175	-24.178	-20.133	-18.287	-12.747	-33.599	-30.621	-36.069	-21.475	-20.955
32	-26.148	-21.444	-19.61	-16.411	-12.394	-36.312	-28.783	-33.116	-23.583	-20.705
33	-28.583	-22.495	-22.249	-18.867	-12.518	-29.558	-29.393	-36.038	-21.378	-23.62
34	-35.541	-22.255	-20.312	-15.291	-12.807	-36.007	-27.926	-31.479	-24.813	-23.843
35	-35.55	-22.639	-19.611	-16.205	-12.667	-34.102	-29.573	-33.495	-20.848	-22.966
36	-28.802	-23.211	-21.09	-16.463	-13.473	-31.659	-33.138	-32.218	-23.312	-21.74
37	-26.37	-20.237	-22.038	-17.422	-11.968	-35.828	-32.215	-28.911	-23.053	-21.067
38	-26.312	-22.758	-23.99	-16.658	-12.518	-28.154	-31.825	-30.913	-23.594	-21.471

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	DCMR1
Condition:	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-11	-9	-18	-18	-18	-16	-14.4	-11	-9	-50
LowLimit										
Average =	-17.06	-12.35	-32.75	-31.72	-31.44	-22.38	-21.65	-16.83	-12.83	-56.17
STD DEV =	1.15	0.71	2.92	3.14	3.08	1.57	1.46	1.14	0.79	0.56
Cpu	1.75	1.57	1.69	1.45	1.46	1.36	1.66	1.70	1.62	3.70
Cpl										
Cpk	1.75	1.57	1.69	1.45	1.46	1.36	1.66	1.70	1.62	3.70
DATA	-	-	-	-	-	-	-	-	-	-
1	-17.509	-13.535	-32.127	-35.231	-27.489	-23.188	-22.371	-16.276	-13.235	-56.93
2	-15.416	-12.685	-32.905	-34.408	-30.012	-21.018	-22.51	-16.802	-13.028	-56.52
3	-18.803	-11.64	-35.303	-28.072	-32.447	-20.433	-22.851	-16.548	-13.146	-55.322
4	-18.096	-12.11	-30.38	-32.177	-29.371	-24.147	-20.479	-17.184	-13.174	-55.947
5	-16.913	-12.623	-28.143	-26.142	-33.931	-21.122	-23.524	-15.968	-11.61	-56.065
6	-18.332	-12.358	-28.208	-26.687	-30.678	-20.35	-19.418	-15.813	-13.712	-56.333
7	-19.002	-12.527	-35.453	-34.349	-27.243	-23.108	-22.911	-16.862	-13.925	-56.124
8	-17.437	-12.263	-31.775	-28.916	-34.46	-20.86	-19.975	-18.998	-12.161	-56.214
9	-16.409	-13.447	-33.542	-35.147	-35.243	-24.794	-19.493	-17.285	-12.301	-55.137
10	-16.23	-11.242	-30.507	-29.444	-36.558	-24.347	-20.859	-17.878	-13.811	-56.992
11	-15.516	-11.623	-31.754	-35.119	-31.939	-21.078	-23.511	-15.748	-13.052	-55.27
12	-17.778	-12.175	-36.828	-34.386	-32.929	-20.178	-23.957	-15.538	-13.642	-55.387
13	-15.575	-12.531	-36.289	-28.77	-30.145	-20.543	-22.536	-15.264	-13.217	-55.659
14	-17.83	-13.467	-29.999	-34.246	-27.536	-23.953	-22.15	-15.144	-12.824	-56.844
15	-18.663	-11.676	-35.449	-32.734	-32.376	-22.335	-22.637	-15.748	-13.477	-56.918
16	-16.935	-12.449	-36.508	-36.493	-34.21	-22.369	-23.937	-18.619	-13.428	-56.844
17	-18.586	-11.637	-28.768	-27.007	-36.01	-23.793	-20.769	-15.936	-12.987	-56.247
18	-17.856	-13.674	-34.263	-35.931	-26.473	-22.5	-23.429	-18.478	-11.141	-55.806
19	-18.576	-11.725	-36.513	-35.965	-36.162	-20.639	-22.106	-17.397	-11.302	-55.704
20	-18.544	-11.525	-36.73	-32.785	-26.748	-21.373	-22.684	-15.669	-13.183	-55.831
21	-15.257	-12.257	-34.074	-32.006	-30.666	-22.123	-20.919	-17.037	-12.198	-56.63
22	-15.972	-11.183	-36.284	-29.878	-30.741	-21.675	-19.62	-15.774	-13.635	-56.773
23	-16.73	-12.081	-35.479	-26.477	-32.036	-23.725	-22.292	-18.54	-13.928	-56.578
24	-16.35	-13.184	-28.278	-29.905	-29.239	-20.179	-20.978	-15.557	-12.671	-55.189
25	-17.423	-12.51	-28.294	-30.315	-34.322	-24.832	-19.563	-16.609	-12.703	-55.878
26	-17.412	-12.003	-28.881	-35.259	-26.191	-21.09	-19.783	-18.095	-11.253	-56.322
27	-15.825	-11.172	-33.258	-33.501	-28.964	-24.239	-19.959	-17.957	-11.685	-56.686
28	-18.288	-11.424	-28.418	-29.361	-28.088	-22.376	-23.966	-16.759	-11.609	-56.263
29	-16.616	-12.071	-35.555	-33.184	-34.735	-21.547	-20.76	-16.384	-12.819	-56.076
30	-15.803	-12.919	-32.145	-28.518	-29.873	-22.585	-21.794	-18.516	-13.519	-56.647
31	-15.241	-12.118	-29.912	-34.657	-35.333	-24.58	-23.992	-16.334	-12.716	-56.923
32	-18.015	-12.698	-35.565	-26.969	-29.946	-20.181	-19.77	-15.24	-11.955	-56.336
33	-15.58	-13.049	-34.722	-33.555	-33.368	-24.981	-20.908	-17.626	-12.427	-55.377
34	-16.005	-11.897	-35.941	-30.661	-34.693	-23.858	-19.815	-18.995	-12.509	-56.337
35	-17.034	-13.63	-30.135	-30.582	-26.174	-24.561	-22.189	-18.051	-12.995	-56.591
36	-15.555	-13.398	-30.5	-27.934	-32.763	-22.394	-22.274	-15.3	-13.499	-55.495
37	-16.848	-12.865	-31.837	-35.659	-34.705	-23.154	-21.567	-16.471	-13.12	-56.659
38	-18.206	-12.058	-33.82	-32.746	-30.933	-20.364	-20.427	-17.062	-13.947	-55.534

Parameter	DCMR1	DCMR1	DCMR1	DCMR2	DCMR2	DCMR2	DCMR2	DCMR3	DCMR3	DCMR3
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-56.10	-53.64	-42.32	-56.47	-53.17	-48.45	-38.71	-56.50	-54.15	-49.46
STD DEV =	3.80	3.39	0.73	0.63	0.64	0.35	0.29	0.54	1.06	0.43
Cpu	1.41	1.83	5.66	3.41	6.81	12.97	10.14	4.05	4.46	11.16
Cpl										
Cpk	1.41	1.83	5.66	3.41	6.81	12.97	10.14	4.05	4.46	11.16
DATA	-	-	-	-	-	-	-	-	-	-
1	-52.342	-49.502	-42.595	-56.158	-52.862	-48.441	-38.803	-56.22	-54.549	-48.978
2	-57.569	-58.368	-42.63	-57.144	-52.05	-48.442	-38.576	-56.902	-53.385	-48.967
3	-55.137	-57.377	-42.947	-55.66	-53.178	-48.028	-38.596	-57.117	-54.157	-49.723
4	-53.832	-53.22	-42.428	-57.384	-54.781	-48.753	-38.956	-56.882	-53.425	-49.136
5	-55.827	-51.27	-42.483	-56.571	-52.997	-48.183	-38.329	-56.996	-54.105	-49.101
6	-59.336	-58.875	-42.865	-56.629	-53.381	-48.98	-38.525	-56.576	-55.047	-49.789
7	-64.091	-53.489	-43.022	-56.086	-53.088	-48.418	-38.518	-56.225	-53.285	-49.894
8	-53.395	-52.45	-42.31	-57.566	-53.673	-48.769	-38.622	-55.552	-57.521	-49.292
9	-61.862	-59.152	-42.884	-57.126	-52.875	-48.28	-38.735	-56.77	-54.353	-49.164
10	-54.726	-57.028	-41.078	-57.582	-53.518	-48.036	-39.044	-57.24	-52.748	-49.256
11	-61.69	-58.277	-42.06	-57.493	-52.446	-48.489	-38.668	-57.004	-54.688	-48.992
12	-58.371	-58.839	-42.066	-55.504	-52.246	-47.634	-39.435	-57.539	-53.739	-49.691
13	-58.306	-58.141	-42.387	-57.235	-53.075	-48.259	-38.83	-56.784	-53.386	-48.933
14	-55.266	-53.176	-41.914	-56.634	-54.432	-48.856	-38.501	-55.695	-54.051	-49.889
15	-64.1	-53.884	-43.005	-56.974	-52.987	-48.403	-38.605	-56.786	-53.647	-49.686
16	-55.069	-50.56	-42.01	-55.517	-53.169	-48.52	-39.348	-57.378	-54.109	-49.159
17	-54.863	-53.894	-43.682	-56.689	-53.382	-48.237	-38.667	-55.951	-52.364	-49.285
18	-62.792	-55.98	-42.995	-55.52	-52.838	-47.936	-38.567	-56.578	-54.019	-49.107
19	-53.619	-49.915	-41.658	-55.992	-52.865	-48.219	-38.997	-56.865	-54.398	-48.824
20	-53.631	-51.551	-40.961	-56.249	-52.623	-48.917	-39.009	-56.102	-53.005	-50.064
21	-54.433	-58.442	-41.39	-57.398	-53.229	-48.538	-39.061	-56.741	-53.778	-49.109
22	-64.784	-53.778	-42.725	-56.761	-53.898	-48.537	-38.204	-56.256	-52.79	-49.986
23	-54.987	-53.747	-42.897	-57.069	-52.755	-48.176	-38.557	-56.086	-52.976	-49.481
24	-53.05	-50.136	-42.179	-55.654	-53.111	-49.036	-38.524	-55.589	-55.596	-50.319
25	-54.812	-59.328	-42.506	-56.135	-52.24	-47.974	-37.964	-56.988	-55.332	-50.286
26	-53.55	-49.276	-41.324	-56.593	-52.606	-48.272	-38.435	-56.47	-55.051	-49.082
27	-52.337	-50.124	-41.729	-56.525	-52.515	-48.669	-38.63	-55.947	-54.182	-49.551
28	-52.786	-49.32	-42.106	-55.294	-53.223	-48.215	-38.981	-56.508	-56.476	-49.923
29	-55.537	-58.108	-42.623	-56.749	-53.143	-48.06	-38.709	-56.466	-54.446	-48.97
30	-52.066	-49.729	-41.036	-56.679	-54.461	-49.058	-39.165	-56.687	-54.193	-50.545
31	-51.754	-50.036	-41.23	-55.749	-53.123	-48.321	-38.658	-56.686	-53.621	-49.365
32	-62.13	-53.607	-43.671	-55.822	-54.794	-48.375	-38.599	-56.406	-56.481	-49.675
33	-53.81	-51.324	-41.957	-56.446	-52.328	-48.524	-38.681	-56.801	-53.439	-49.884
34	-52.729	-51.947	-42.528	-56.518	-53.336	-49.022	-38.566	-55.455	-53.207	-49.429
35	-52.892	-49.666	-41.128	-55.946	-53.209	-48.883	-38.51	-55.765	-54.169	-49.472
36	-52.485	-50.78	-43.627	-56.096	-53.579	-48.199	-38.657	-56.197	-54.012	-49.202
37	-53.651	-51.539	-42.816	-56.517	-52.873	-48.817	-38.868	-57.168	-54.395	-49.383
38	-58.004	-52.553	-42.731	-56.045	-53.521	-48.774	-38.844	-55.636	-53.741	-49.075

Parameter	DCMR3	DCMR4	DCMR4	DCMR4	DCMR4	DCMR5	DCMR5	DCMR5	DCMR5	DCMR6
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-50	-40	-35	-30	-50	-40	-35	-30	-50
LowLimit										
Average =	-39.65	-56.58	-53.30	-48.96	-39.11	-56.73	-54.11	-49.81	-39.97	-56.49
STD DEV =	0.29	0.63	0.75	0.51	0.28	0.52	0.75	0.36	0.27	0.64
Cpu	11.18	3.47	5.90	9.14	10.88	4.31	6.25	13.53	12.20	3.36
Cpl										
Cpk	11.18	3.47	5.90	9.14	10.88	4.31	6.25	13.53	12.20	3.36
DATA	-	-	-	-	-	-	-	-	-	-
1	-39.767	-56.94	-50.288	-48.841	-39.628	-56.465	-55.035	-49.619	-39.293	-56.935
2	-39.314	-56.621	-53.462	-48.885	-39.504	-57.297	-52.538	-50.175	-39.755	-56.744
3	-39.638	-56.523	-53.376	-48.465	-38.569	-56.045	-53.951	-49.403	-40.099	-57.085
4	-40.098	-57.184	-53.495	-48.924	-38.819	-56.865	-53.911	-50.347	-39.784	-56.222
5	-39.482	-56.785	-53.501	-49.023	-38.872	-57.574	-53.262	-49.886	-40.34	-56.652
6	-39.401	-56.65	-52.993	-49.015	-39.169	-56.807	-55.115	-50.275	-40.165	-56.362
7	-39.558	-56.782	-53.032	-49.336	-39.422	-56.534	-53.965	-49.738	-39.428	-56.035
8	-39.499	-54.899	-53.485	-48.558	-38.861	-56.28	-53.972	-50.013	-40.42	-56.608
9	-39.475	-56.244	-53.349	-49.475	-38.901	-57.173	-54.706	-50.51	-40.272	-56.44
10	-39.448	-55.986	-53.123	-48.528	-39.299	-57.074	-53.979	-49.427	-40.032	-55.611
11	-39.741	-55.903	-53.574	-48.105	-39.428	-56.768	-53.435	-49.843	-39.951	-55.494
12	-39.871	-56.962	-53.567	-48.817	-39.09	-56.908	-54.132	-49.95	-39.775	-56.072
13	-39.344	-55.938	-53.763	-48.192	-39.049	-57.17	-54.34	-49.926	-40.321	-56.313
14	-39.678	-55.548	-53.009	-49.512	-39.84	-55.564	-53.21	-49.985	-40.624	-57.506
15	-39.082	-57.051	-53.584	-49.685	-38.99	-56.193	-54.302	-49.528	-39.627	-57.136
16	-39.444	-57.113	-53.866	-49.672	-39.154	-56.108	-54.391	-49.31	-39.666	-57.404
17	-39.682	-56.178	-52.29	-49.643	-38.726	-56.801	-52.457	-49.38	-40.209	-56.28
18	-39.49	-56.697	-53.33	-49.572	-39.322	-56.295	-53.97	-49.706	-39.855	-56.071
19	-39.517	-56.368	-54.641	-49.506	-38.866	-56.624	-54.59	-50.225	-39.857	-56.656
20	-40.182	-58.108	-52.612	-49.411	-39.309	-56.441	-54.142	-49.005	-39.664	-55.869
21	-39.517	-56.624	-54.243	-48.76	-39.001	-56.677	-54.421	-49.766	-39.855	-58.578
22	-39.711	-57.327	-54.316	-49.039	-39.139	-56.324	-52.819	-49.858	-40.101	-56.646
23	-39.66	-55.573	-52.346	-49.137	-39.023	-56.623	-54.518	-49.492	-39.822	-57.589
24	-39.677	-56.681	-53.057	-50.253	-39.087	-57.546	-55.655	-49.693	-39.859	-56.954
25	-40.39	-57.067	-53.958	-48.266	-38.814	-56.182	-55.478	-49.803	-39.858	-56.378
26	-39.933	-55.679	-52.711	-48.862	-38.777	-56.621	-54.573	-50.556	-40.258	-55.964
27	-40.072	-57.013	-52.217	-48.681	-39.081	-57.58	-53.986	-50.121	-39.898	-55.975
28	-39.536	-57.59	-54.362	-49.205	-39.469	-56.296	-54.226	-50.457	-40.132	-56.716
29	-40.171	-56.801	-52.947	-49.229	-39.248	-55.975	-55.605	-49.723	-40.101	-56.295
30	-39.636	-57.019	-53.924	-49.091	-39.157	-56.591	-54.699	-49.526	-39.851	-55.788
31	-39.432	-56.606	-53.494	-48.349	-38.796	-56.901	-53.917	-50.13	-39.819	-56.693
32	-40.116	-56.435	-52.802	-49.384	-39.181	-57.486	-53.105	-49.692	-39.651	-55.764
33	-39.518	-56.529	-53.867	-49.021	-39.468	-56.218	-53.534	-49.449	-40.125	-56.149
34	-39.183	-57.808	-53.317	-48.407	-38.854	-57.008	-53.947	-49.667	-40.074	-56.975
35	-39.425	-56.19	-52.871	-48.354	-39.289	-56.985	-54.189	-49.78	-40.163	-56.047
36	-39.361	-56.286	-54.049	-48.033	-39.223	-56.323	-54.824	-50.12	-39.815	-57.117
37	-39.754	-56.222	-53.479	-48.467	-38.662	-57.718	-53.355	-49.336	-39.992	-56.354
38	-39.799	-56.144	-53.07	-48.96	-39.181	-57.605	-53.92	-49.309	-40.248	-55.295

Parameter	DCMR6	DCMR6	DCMR6	DCMR7	DCMR7	DCMR7	DCMR7	DCMR8	DCMR8	DCMR8
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-53.53	-49.11	-39.49	-56.67	-53.69	-49.60	-40.05	-56.67	-52.70	-48.35
STD DEV =	1.08	0.47	0.31	0.51	0.95	0.53	0.34	0.56	0.44	0.43
Cpu	4.16	10.08	10.36	4.38	4.80	9.24	9.84	4.00	9.59	10.40
Cpl										
Cpk	4.16	10.08	10.36	4.38	4.80	9.24	9.84	4.00	9.59	10.40
DATA	-	-	-	-	-	-	-	-	-	-
1	-53.056	-49.002	-39.723	-56.694	-53.303	-49.418	-39.588	-55.997	-53.236	-48.233
2	-54.229	-48.619	-39.471	-57.407	-53.624	-49.009	-39.982	-57.625	-52.379	-48.705
3	-52.727	-49.151	-39.238	-56.73	-53.963	-48.846	-40.321	-56.514	-52.282	-47.786
4	-55.092	-49.111	-39.462	-56.235	-52.715	-49.085	-39.873	-57.062	-52.224	-48.406
5	-52.692	-48.85	-39.297	-57.006	-52.308	-49.719	-40.638	-56.585	-52.826	-48.787
6	-50.672	-48.808	-39.934	-57.495	-54.871	-49.194	-40.287	-57.251	-52.323	-48.264
7	-54.688	-49.086	-39.364	-56.062	-53.343	-48.899	-40.362	-57.043	-53.718	-49.254
8	-55.014	-48.841	-39.622	-56.741	-52.954	-49.667	-40.086	-56.997	-52.238	-48.132
9	-52.378	-50.066	-39.507	-57.047	-50.792	-49.882	-40.158	-56.317	-53.088	-48.51
10	-53.442	-49.55	-39.591	-56.659	-54.354	-49.687	-39.831	-56.359	-52.799	-48.488
11	-55.378	-47.935	-39.424	-56.912	-54.443	-50.105	-39.665	-56.638	-52.836	-48.548
12	-55.335	-48.714	-39.295	-57.338	-53.743	-50.123	-40.308	-56.482	-52.27	-47.939
13	-53.157	-49.201	-39.958	-57.165	-53.779	-49.141	-39.674	-56.927	-52.787	-47.909
14	-56.184	-49.205	-39.935	-56.728	-54.173	-48.957	-39.845	-55.895	-52.982	-47.981
15	-53.065	-49.131	-39.675	-56.085	-54.495	-49.655	-39.754	-56.368	-52.972	-48.024
16	-53.404	-48.804	-39.767	-57.524	-55.257	-50.242	-40.388	-55.808	-52.288	-48.302
17	-52.921	-49.483	-39.123	-56.056	-52.678	-49.006	-40.341	-56.633	-51.429	-48.183
18	-53.473	-49.376	-39.51	-57.618	-53.971	-49.711	-40.24	-56.82	-52.433	-48.759
19	-53.255	-48.959	-38.962	-56.66	-54.833	-49.77	-39.305	-56.256	-52.839	-48.678
20	-54.892	-49.683	-39.444	-56.727	-53.727	-49.59	-40.199	-56.296	-52.174	-49.139
21	-53.507	-49.414	-39.019	-55.847	-53.681	-49.96	-40.024	-56.481	-52.881	-48.884
22	-52.581	-48.672	-39.444	-56.245	-53.238	-49.331	-39.86	-56.569	-53.105	-48.272
23	-53.786	-49.169	-39.09	-56.26	-53.819	-50	-40.101	-56.046	-52.875	-48.118
24	-51.833	-49.167	-40.161	-55.866	-53.001	-49.318	-40.159	-56.533	-52.469	-48.485
25	-53.024	-49.422	-39.457	-57.474	-54.726	-50.562	-40.369	-57.236	-52.813	-49.065
26	-53.312	-48.981	-39.84	-56.536	-52.88	-49.825	-40.218	-56.895	-52.509	-47.862
27	-52.72	-49.874	-39.797	-56.592	-55.271	-50.315	-39.932	-57.067	-53.007	-48.523
28	-54.445	-48.825	-39.383	-57.181	-52.903	-50.209	-40.481	-56.847	-52.959	-48.938
29	-52.722	-49.312	-39.522	-56.769	-53.844	-49.634	-40.294	-57.167	-52.028	-48.156
30	-52.865	-49.731	-39.633	-55.985	-53.427	-50.091	-39.095	-56.901	-53.156	-48.83
31	-54.039	-48.782	-39.094	-56.765	-53.894	-50.437	-40.224	-56.943	-52.969	-48.905
32	-52.59	-50.056	-39.415	-56.664	-52.28	-48.751	-40.226	-55.48	-52.455	-48.215
33	-53.734	-49.164	-39.777	-56.426	-52.715	-48.71	-39.387	-56.552	-52.703	-47.835
34	-53.421	-48.173	-39.277	-56.555	-54.462	-50.591	-40.474	-57.985	-53.158	-47.736
35	-52.435	-48.266	-38.699	-55.587	-55.246	-48.687	-39.841	-55.903	-52.839	-47.771
36	-53.698	-49.108	-39.858	-56.905	-54.16	-49.452	-39.879	-57.595	-53.371	-48.017
37	-53.66	-49.698	-39.609	-56.764	-52.715	-49.585	-40.382	-55.881	-53.033	-47.877
38	-54.777	-48.931	-39.373	-56.165	-54.783	-49.655	-40.156	-57.631	-52.033	-47.699

Parameter	DCMR8	Hipot
Condition:	100MHZ	1500VAC/ 60s/1mA
Pins		
Unit	dB	
HighLimit	-30	
LowLimit		
Average =	-38.98	
STD DEV =	0.27	
Cpu	11.09	
Cpl		
Cpk	11.09	
DATA	-	
1	-38.89	Pass
2	-39.111	Pass
3	-38.926	Pass
4	-39.281	Pass
5	-39.099	Pass
6	-38.955	Pass
7	-38.957	Pass
8	-38.989	Pass
9	-39.241	Pass
10	-38.895	Pass
11	-39.309	Pass
12	-38.549	Pass
13	-38.697	Pass
14	-39.536	Pass
15	-39.064	Pass
16	-39.018	Pass
17	-38.857	Pass
18	-39.281	Pass
19	-39.424	Pass
20	-38.854	Pass
21	-38.946	Pass
22	-38.687	Pass
23	-38.954	Pass
24	-38.907	Pass
25	-39.405	Pass
26	-39.045	Pass
27	-38.789	Pass
28	-39.131	Pass
29	-38.147	Pass
30	-38.922	Pass
31	-38.934	Pass
32	-39.388	Pass
33	-38.731	Pass
34	-38.65	Pass
35	-38.992	Pass
36	-38.895	Pass
37	-39.045	Pass
38	-38.581	Pass

Appendix 4

HX5020NL Electrical Test Data After Resistance To Soldering Heat

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1-2	2-3	4-5	5-6	7-8	8-9	10-11	11-12	13-14	14-15
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	692.36	685.49	689.90	682.65	687.60	681.02	687.66	680.26	683.52	675.60
STD DEV =	10.62	10.53	10.02	8.70	10.84	9.12	9.73	7.47	5.96	6.12
Cpu	41.05	41.62	43.57	50.50	40.34	48.22	44.95	58.88	73.63	72.17
Cpl										
Cpk	41.05	41.62	43.57	50.50	40.34	48.22	44.95	58.88	73.63	72.17
DATA	-	-	-	-	-	-	-	-	-	-
1	695.467	699.628	684.973	680.401	673.849	663.614	683.583	681.103	690.601	682.272
2	694.511	687.409	682.086	659.076	701.756	686.254	676.657	667.571	673.114	662.172
3	687.451	678.906	684.174	671.902	679.19	667.932	687.001	677.935	677.877	664.972
4	697.656	687.841	697.711	687.378	686.8	689.481	714.8	701.377	675.255	675.544
5	692.24	686.573	718.531	700.147	692.689	687.594	695.526	684.373	688.526	676.753
6	689.603	684.679	687.544	680.61	686.309	676.961	684.702	677.922	688.109	678.72
7	687.466	680.747	680.955	678.4	684.91	677.057	719.592	694.279	669.034	666.784
8	730.462	709.75	720.284	700.22	692.008	685.381	682.1	676.798	691.666	682.828
9	694.057	689.267	681.951	675.399	680.701	673.761	683.403	677.663	672.644	666.308
10	684.998	678.83	696.313	695.41	675.984	673.769	688.08	675.068	688.698	671.457
11	718.273	699.687	691.155	685.486	706.43	685.794	691.651	685.531	682.999	673.748
12	695.578	690.706	686.786	682.637	701.758	693.498	680.357	677.446	686.957	678.263
13	695.401	689.587	694.092	685.519	679.233	674.476	678.995	678.124	687.338	689.263
14	683.826	674.54	696.624	692.638	687.503	678.93	682.107	679.676	678.596	670.184
15	686.546	670.695	687.264	682.531	678.321	688.174	680.328	675.961	684.567	674.976
16	686.778	675.06	695.638	680.744	689.855	681.21	686.168	679.728	685.522	679.783
17	692.162	681.46	683.461	677.783	680.124	676.337	691.955	677.615	684.81	673.578
18	692.098	681.325	681.999	682.728	682.043	682.411	682.537	680.715	680.753	677.016
19	685.487	680.424	689.642	684.197	679.208	675.705	682.306	671.161	684.048	680.26
20	702.184	691.385	688.124	681.182	697.224	691.692	678.738	672.963	682.078	674.338
21	693.586	684.958	690.055	685.495	695.08	691.78	701.089	694.072	686.422	680.568
22	686.22	680.201	690.055	680.848	683.034	675.667	678.349	676.1	682.855	677.155
23	690.389	681.682	684.358	680.929	689.637	688.947	697.581	688.458	680.102	667.481
24	700.482	721.498	680.127	672.169	668.633	663.263	689.013	687.948	692.127	685.522
25	687.188	680.945	681.144	681.521	682.981	677.619	681.399	678.43	675.066	670.85
26	692.125	678.879	674.26	669.862	691.953	678.031	687.667	684.559	686.135	677.717
27	684.586	680.119	698.162	687.703	688.035	685.436	685.774	678.265	687.599	681.163
28	668.82	672.621	700.312	697.578	724.323	706.969	684.104	680.081	682.802	674.395
29	685.752	682.414	684.036	681.832	681.841	676.456	690.171	681.802	691.613	674.584
30	689.515	682.855	685.224	677.053	686.574	676.403	683.917	665.038	687.572	679.419

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17	17-18	19-20	20-21	22-23	23-24	25-26	26-27	28-29	29-30
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	689.55	682.27	687.25	684.51	694.59	689.86	949.23	944.35	938.85	944.65
STD DEV =	5.94	7.35	7.39	10.56	7.82	7.64	8.85	8.68	8.50	17.10
Cpu	73.59	59.76	59.23	41.52	55.62	57.14	39.59	40.56	41.61	20.57
Cpl										
Cpk	73.59	59.76	59.23	41.52	55.62	57.14	39.59	40.56	41.61	20.57
DATA	-	-	-	-	-	-	-	-	-	-
1	691.624	683.832	681.121	679.708	686.052	684.179	957.181	956.857	942.336	929.451
2	691.602	678.539	680.546	677.658	690.791	685.365	950.605	946.909	938.069	942.291
3	689.578	681.85	680.44	682.584	699.03	687.318	949.936	947.231	936.557	949.77
4	689.357	679.534	682.649	679.282	691.143	689.936	940.735	934.856	946.233	954.163
5	680.181	674.048	689.927	690.524	688.906	679.714	942.493	936.516	934.346	938.109
6	696.532	689.896	701.652	702.015	688.397	687.664	944.662	942.682	953.705	999.92
7	683.463	676.656	693.202	688.33	683.292	680.262	926.756	930.451	939.936	940.563
8	686.949	678.137	676.146	671.515	711.069	698.311	955.966	948.838	927.684	916.984
9	683.789	677.005	673.76	667.519	689.229	679.351	935.642	928.572	930.861	996.657
10	688.269	681.909	678.26	669.261	683.288	682.688	942.059	935.661	929.241	932.915
11	694.464	685.169	685.125	682.136	700.243	698.435	954.507	948.977	928.365	933.435
12	705.492	706.783	696.729	698.173	705.891	701.74	958.805	950.419	954.896	958.191
13	692.822	688.25	683.48	671.685	692.315	680.303	951.239	941.49	936.865	930.44
14	685.941	680.532	693.138	686.241	689.57	690.781	950.928	942.372	947.041	948.92
15	691.193	690.136	701.631	710.039	716.98	712.678	952.639	948.489	943.133	938.625
16	690.941	685.616	687.884	685.909	701.07	699.185	959.715	953.037	934.185	933.635
17	690.6	688.686	685.542	682.806	692.79	689.487	950.129	941.737	953.43	957.175
18	685.903	686.784	690.576	686.26	688.519	680.046	937.523	932.329	940.161	942.804
19	685.509	671.725	689.402	696.033	691.768	691.437	944.477	936.827	940.857	941.217
20	702.91	688.493	683.027	680.35	700.547	698.221	957.71	956.097	926.114	930.561
21	679.91	673.893	692.407	689.013	693.647	690.189	939.775	934.815	936.027	951.597
22	685.121	676.734	683.473	677.251	688.069	682.215	939.825	937.099	935.95	939.372
23	686.435	677.685	686.46	675.944	691.415	691.818	949.048	942.236	933.459	937.835
24	693.479	686.376	693.909	691.651	697.621	688.605	951.011	944.39	947.143	949.212
25	682.221	677.209	679.686	665.478	688.405	682.591	942.715	939.771	924.463	928.368
26	690.28	683.355	697.856	697.81	698.505	694.802	966.084	960.82	939.987	943.131
27	689.194	671.897	681.328	687.813	702.839	689.643	961.396	954.749	936.298	942.233
28	682.178	671.482	679.274	677.985	688.296	693.168	945.489	946.498	928.639	932.75
29	693.471	685.854	696.425	699.921	696.569	690.997	962.053	962.299	945.329	945.621
30	697.002	690.005	692.342	684.286	701.374	694.699	955.772	947.584	954.27	953.671

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31-32	32-33	34-35	35-36	37-38	38-39	40-41	41-42	43-44	44-45
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	941.04	938.92	937.46	942.76	943.30	939.81	939.58	941.17	945.69	936.61
STD DEV =	9.64	10.01	8.93	8.61	10.80	10.68	9.67	9.39	9.40	8.55
Cpu	36.60	35.33	39.65	40.94	32.62	33.09	36.55	37.57	37.40	41.47
Cpl										
Cpk	36.60	35.33	39.65	40.94	32.62	33.09	36.55	37.57	37.40	41.47
DATA	-	-	-	-	-	-	-	-	-	-
1	949.669	951.244	938.507	940.755	936.557	934.275	934.59	933.893	953.308	943.571
2	939.099	942.281	926.207	930.528	929.239	926.067	956.99	954.505	935.185	927.649
3	939.906	938.519	932.053	934.455	932.948	933.819	935.228	934.202	938.933	936.827
4	945.729	944.918	938.122	945.419	948.978	940.761	929.913	932.477	949.547	938.171
5	925.19	932.974	937.261	947.893	957.319	952.622	942.855	947.837	962.108	945.543
6	954.544	951.123	929.401	938.423	931.363	925.17	952.311	954.415	936.481	927.273
7	965.952	966.617	927.35	937.98	946.147	939.544	940.41	940.675	945.912	934.492
8	938.331	939.029	939.886	945.003	942.699	936.552	944.865	954.924	944.067	938.519
9	932.749	927.568	948.616	946.708	928.994	922.961	936.921	934.825	937.107	938.661
10	946.522	942.091	941.717	948.858	941.274	936.263	934.155	938.955	936.604	925.89
11	935.365	929.323	945.426	947.225	928.49	928.272	933.723	931.773	953.364	947.27
12	945.922	937.427	931.925	941.188	943.458	942.022	948.216	949.732	957.38	947.031
13	927.606	928.174	928.023	937.011	933.628	928.405	922.784	924.779	950.822	940.483
14	937.592	932.657	922.975	928.593	936.439	939.277	948.262	950.151	951.914	943.343
15	943.436	938.168	947.044	949.01	925.679	927.371	930.314	934.324	938.804	928.319
16	958.76	961.924	959.499	961.106	957.856	951.88	953.688	954.061	966.691	953.628
17	957.06	955.157	929.261	934.581	954.071	946.175	932.673	934.18	936.681	927.003
18	944.796	943.437	931.069	937.852	949.247	946.709	926.762	926.749	945.69	943.132
19	940.917	936.88	942.457	939.404	937.409	936.245	941.428	941.529	954.854	946.389
20	927.232	926.595	949.798	953.63	937.14	935.198	958.808	955.587	941.173	928.923
21	939.939	942.069	954.27	958.573	963.838	962.466	958.09	957.465	945.961	943.115
22	930.843	933.699	931.09	940.892	947.576	938.072	943.463	944.153	931.515	917.693
23	948.343	939.467	942.698	953.475	956.287	950.243	938.957	939.472	948.553	940.528
24	934.167	928.52	946.266	953.178	966.386	966.105	925.632	932.584	939.711	928.09
25	928.16	929.37	934.372	939.717	951.571	948.174	939.257	948.617	939.417	929.566
26	941.29	931.68	928.548	929.152	953.004	953.56	935.241	936.688	927.506	922.435
27	938.146	934.33	943.258	950.831	937.934	933.681	925.222	929.224	952.363	939.619
28	936.103	928.656	932.85	933.391	948.201	947.555	938.376	945.829	961.743	943.189
29	945.521	942.922	927.915	930.017	933.707	930.483	936.793	936.522	948.444	940.626
30	932.45	930.815	935.923	948.095	941.549	934.437	941.534	935.115	938.846	931.229

Parameter	DCR	DCR	BL	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	47-48	47-48:1-2	2-5	5-8	8-11	11-13	13-17	17-20	20-23
Unit	m ohms	m ohms	m ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms
HighLimit	2000	2000	2000							
LowLimit				10	10	10	10	10	10	10
Average =	940.35	944.40	252.04	72.92	72.12	71.66	70.72	72.12	71.75	72.02
STD DEV =	8.82	8.52	12.24	1.98	2.14	2.10	2.16	1.88	1.85	1.49
Cpu	40.06	41.28	47.60							
Cpl				10.59	9.66	9.78	9.38	11.04	11.13	13.87
Cpk	40.06	41.28	47.60	10.59	9.66	9.78	9.38	11.04	11.13	13.87
DATA	-	-	-	-	-	-	-	-	-	-
1	949.015	951.077	255.61	71.11	73.442	72.616	71.857	71.265	69.622	71.417
2	951.585	954.631	260.12	72.094	73.678	73.503	71.231	72.39	73.541	74.232
3	934.548	936.685	249.234	71.155	71.094	71.415	71.889	70.667	71.636	70.856
4	941.759	946.821	249.165	74.689	73.639	71.711	71.662	71.462	73.091	73.207
5	927.057	930.151	237.911	74.367	71.838	71.17	72.46	72.557	73.266	73.277
6	952.111	960.892	271.289	73.859	73.159	71.994	72.97	72.696	73.32	71.83
7	939.525	936.372	248.906	73.769	72.56	72.336	71.017	71.486	72.088	71.414
8	921.656	932.339	201.877	71.835	70.436	70.816	71.506	72.818	70.702	70.931
9	935.334	935.543	241.486	72.499	69.876	70.175	69.145	69.555	71.762	72.147
10	939.052	944.42	259.422	72.473	69.707	69.741	69.19	71.327	71.366	71.711
11	956.648	955.812	237.539	71.475	72.134	72.824	74.048	77.641	78.614	76.811
12	950.241	953.889	258.311	72.315	71.932	72.032	71.545	72.079	71.499	70.921
13	947.711	951.855	256.455	70.677	71.313	71.429	71.588	73.673	72.69	74.086
14	930.642	936.429	252.603	72.147	71.053	69.5	67.775	70.763	70.856	71.264
15	943.733	941.334	254.789	71.721	70.681	67.17	64.212	67.655	67.99	68.936
16	931.872	934.259	247.481	71.696	69.524	69.338	69.079	71.423	72.088	71.047
17	936.637	946.781	254.619	74.389	71.944	72.091	70.831	73.207	72.548	73.183
18	948.096	953.662	261.563	74.282	72.344	70.65	68.196	69.692	68.424	69.922
19	942.195	952.758	267.271	72.638	73.33	72.822	71.17	73.322	70.976	73.262
20	955.927	953.605	251.42	70.768	69.564	69.577	68.868	71.449	71.469	72.161
21	938.157	943.694	250.108	71.998	69.956	69.185	68.488	71.425	71.837	73.412
22	947.301	949.006	262.786	72.701	72.36	72.342	71.33	70.748	69.885	71.451
23	938.518	946.095	255.707	72.181	71.19	71.613	71.762	72.671	71.792	71.645
24	944.784	952.19	251.707	76.076	76.846	76.276	73.4	73.514	71.775	71.173
25	934.594	934.716	247.528	72.698	72.283	71.066	68.83	70.663	71.182	72.001
26	931.556	935.702	243.577	80.481	78.592	77.926	74.185	75.241	71.94	69.757
27	930.426	943.558	258.972	72.322	72.784	72.727	70.903	71.165	71.493	71.824
28	934.427	930.786	261.966	75.547	75.07	74.111	72.94	74.996	72.936	72.467
29	946.515	948.999	263.247	70.358	68.074	69.084	67.56	71.891	69.454	71.903
30	928.949	937.896	248.381	73.285	73.26	72.569	72.064	74.05	72.669	72.279

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OCL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-26	26-29	29-32	32-35	35-38	38-41	41-44	44-47	47-2	1-3
Unit	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	uH
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	350
Average =	74.82	71.41	68.64	71.47	72.27	72.10	72.44	72.14	72.34	983.32
STD DEV =	2.45	1.51	1.43	1.31	1.74	1.63	1.66	1.49	1.53	40.60
Cpu										
Cpl	8.81	13.56	13.65	15.62	11.95	12.74	12.52	13.93	13.62	5.20
Cpk	8.81	13.56	13.65	15.62	11.95	12.74	12.52	13.93	13.62	5.20
DATA	-	-	-	-	-	-	-	-	-	-
1	73.935	71.476	69.849	71.452	73.819	71.995	72.266	71.461	73.177	1030.034
2	77.67	74.023	68.62	73.067	71.155	71.892	71.343	73.21	73.945	1060.54
3	73.609	70.67	68.044	72.596	73.285	73.818	73.126	73.1	70.877	936.138
4	78.486	72.523	69.992	72.592	74.241	74.775	74.405	73.435	72.923	927.117
5	78.373	72.115	69.011	72.043	73.003	72.594	73.481	74.873	73.802	958.584
6	76.642	72.885	71.371	71.654	73.285	73.479	74.88	74.684	74.545	1010.234
7	74.15	70.248	69.583	72.923	74.6	72.881	73.389	72.5	71.971	1059.539
8	73.477	70.513	67.713	70.088	71.074	72.301	74.554	70.206	73.84	1028.767
9	75.438	71.156	69.567	70.449	70.644	70.427	70.274	70.592	70.46	1024.032
10	75.86	72.395	70.727	72.006	73.019	72.694	73.681	72.089	75.118	900.682
11	81.614	74.769	69.816	69.251	68.469	67.192	68.251	70.505	71.603	970.293
12	74.427	71.463	67.735	72.25	73.282	71.92	70.073	70.613	69.611	1017.533
13	77.383	73.088	68.765	71.203	71.993	72.484	73.248	72.968	73.038	967.385
14	74.338	70.728	68.856	70.95	70.855	70.298	70.976	71.127	73.809	989.786
15	73.501	71.429	71.152	73.363	73.785	73.595	73.174	72.539	72.436	990.919
16	74.179	70.551	67.724	71.456	72.608	72.048	72.445	72.055	72.084	986.05
17	74.11	71.726	68.378	70.78	70.845	71.514	73.008	71.586	73.082	1040.413
18	69.63	69.753	66.441	69.989	70.909	70.528	72.115	71.513	72.474	961.173
19	75.378	73.118	69.127	73.331	74.918	73.396	71.158	71.54	72.312	969.927
20	75.054	71.185	67.901	71.709	71.846	72.201	73.06	73.264	73.595	1012.955
21	77.078	73.781	70.654	71.78	72.331	73.272	74.761	74.014	73.407	993.823
22	73.981	69.702	67.803	71.488	72.811	73.036	72.28	71.764	70.562	1003.297
23	71.699	68.688	66.206	70.978	71.192	71.458	71.044	72.517	71.278	972.471
24	73.55	70.344	66.965	70.559	71.793	70.343	72.217	72.023	71.708	971.142
25	75.349	72.344	68.6	71.849	71.749	72.018	71.943	72.649	72.18	992.937
26	69.491	68.581	65.678	69.183	71.599	72.361	71.802	70.944	70.785	981.582
27	73.353	71.404	68.408	73.089	73.096	71.897	71.07	70.065	70.032	957.47
28	76.169	72.228	69.648	73.26	75.115	75.589	76.367	75.967	74.481	901.261
29	73.518	69.448	66.428	67.924	67.144	68.809	70.337	70.782	68.82	942.511
30	73.255	69.888	68.555	70.96	73.637	72.253	72.349	69.606	72.248	941.048

Parameter	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	4-6	7-9	10-12	13-15	16-18	19-21	22-24	1-3	46-48	4-6
Unit	uH	uH	uH	uH	uH	uH	uH	*1	*1	*1
HighLimit								1.02	1.02	1.02
LowLimit	350	350	350	350	350	350	350	0.98	0.98	0.98
Average =	1,004.11	937.15	1,008.39	944.18	1,007.13	952.06	1,016.64	1.00	1.00	1.00
STD DEV =	54.64	39.27	34.33	38.65	46.41	58.42	41.82	0.00	0.00	0.00
Cpu								37.08	37.08	37.08
Cpl	3.99	4.98	6.39	5.12	4.72	3.44	5.31	37.20	37.20	37.20
Cpk	3.99	4.98	6.39	5.12	4.72	3.44	5.31	37.08	37.08	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	955.101	921.009	1034.691	952.992	1071.125	979.343	942.515	1	1	1
2	1045.076	956.805	1019.661	982.04	993.556	969.398	1058.504	1	1	1
3	1040.003	910.392	1073.276	948.188	987.84	1005.614	1008.715	1	1	1
4	989.043	964.493	1080.693	880.748	976.158	866.668	1015.933	1	1	1
5	1042.779	878.905	1005.47	937.808	974.338	953.224	1042.033	1.001	1	1
6	953.457	948.777	1039.151	983.643	1035.755	1018.128	1017.361	1	1	1
7	1039.871	881.933	1055.775	961.851	996.074	886.42	1003.801	1	1	1
8	1019.83	911.222	965.924	979.462	1027.908	946.181	1049.14	1	1	1
9	1059.58	942.766	1010.57	895.886	1008.981	890.677	1048.617	1	1	1
10	958.382	873.799	973.79	933.233	979.302	777.019	1071.154	1	1	1
11	1042.848	914.095	1016.202	929.018	1025.126	975.734	1056.088	1	1	1.001
12	1051.899	977.178	1022.227	926.64	879.535	954.98	1016.412	1	1	1
13	1000.271	853.545	997.269	956.322	995.397	992.469	1013.499	1	1	1
14	1048.863	948.392	1027.21	1028.574	1088.094	934.25	1059.771	1	1	1
15	1018.855	1015.226	1007.885	998.178	945.004	1021.666	1026.873	1	1.001	1
16	1012.481	964.703	1014.975	890.229	1048.26	939.771	995.638	1	1	1
17	983.226	945.225	983.707	936.951	1013.583	952.114	903.679	1	1	1
18	1022.355	939.069	1009.743	956.491	1051.55	974.492	1022.394	1	1	1
19	1002.974	955.736	946.427	940.21	1014.517	1011.011	1027.17	1	1	1
20	1023.001	905.783	1002.196	832.129	1021.759	922.506	973.308	1	1	1
21	1004.179	1010.158	1030.269	984.7	980.82	929.722	1040.382	1	1	1
22	780.711	898.972	1011.434	966.05	1043.697	929.507	1068.674	1	1	1
23	999.624	909.232	995.365	926.765	1056.6	984.154	1022.437	1	1	1
24	1048.985	913.956	982.833	985.877	1033.809	992.3	930.287	1	1	1
25	1004.585	974.957	943.864	902.441	937.112	805.42	1066.514	1	1	1
26	999.165	980.678	1027.606	933.481	951.606	988.646	1007.188	1	1	1
27	1044.209	921.062	958.597	947.728	1072.916	997.936	1065.418	1	1	1
28	933.47	958.516	965.22	933.24	983.524	940.412	1003.657	1	1	1
29	938.42	944.749	986.567	924.095	952.546	1010.69	986.867	1	1	1
30	1060.024	993.216	1062.969	970.332	1067.318	1011.351	955.312	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	45-43	7-9	40-42	10-12	39-37	13-15	34-36	16-18	33-31	19-21
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	13.72	37.08	13.58	37.08	37.08	37.08	14.33	37.08	26.64	37.08
Cpl	13.01	37.20	14.09	37.20	37.20	37.20	14.77	37.20	26.82	37.20
Cpk	13.01	37.08	13.58	37.08	37.08	37.08	14.33	37.08	26.64	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	1	1	1	1	1.001	1	1.001	1
2	1	1	1.001	1	1	1	1.001	1	1	1
3	1	1	1	1	1	1	1	1	1	1
4	0.999	1	1.001	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1
6	0.999	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1
8	0.999	1	1	1	1	1	1.001	1	1	1
9	1	1	1	1	1	1	1	1	1	1
10	0.999	1	1	1	1.001	1	1	1	1	1
11	0.999	1	1	1	1	1	1	1	1	1
12	0.999	1.001	1.001	1	1	1	1	1.001	1	1
13	0.999	1	1	1	1	1	1	1	1	1
14	0.999	1	1	1	1	1	1.001	1	1	1
15	0.999	1	1.001	1.001	1	1	1	1	1	1.001
16	0.999	1	1	1	1	1.001	1	1	1	1
17	0.999	1	1.001	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1
19	0.999	1	1.001	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1
21	0.999	1	1.001	1	1	1	1.001	1	1	1
22	0.999	1	1	1	1	1	1.001	1	1	1
23	0.999	1	1	1	1	1	1.001	1	1	1
24	1	1	1	1	1	1	1.001	1	1	1
25	1	1	1.001	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1.001	1
28	1	1	1.001	1	1	1	1.001	1	1	1
29	1	1	1.001	1	1	1	1	1	1	1
30	1	1	1.001	1	1	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	28-30	22-24	27-25	1-2	2-3	4-5	5-6	7-8	8-9	10-11
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	13.67	37.08	37.08	37.20	38.93	37.20	37.20	37.20	37.20	37.20
Cpl	14.61	37.20	37.20	37.08	35.34	37.08	37.08	37.08	37.08	37.08
Cpk	13.67	37.08	37.08	37.08	35.34	37.08	37.08	37.08	37.08	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1	1	0.999	1	1	1	1	1
2	1	1	1	1	0.999	1	1	1	1	1
3	1.001	1	1	1	0.999	1	1	1	1	1
4	1	1	1	1	0.999	1	1	1	1	1
5	1	1	1	1	0.999	1	1	1	1	1
6	1.001	1.001	1	1	0.999	1	1	1	1	1
7	1.001	1	1	1	0.999	1	1	0.999	1	1
8	1.001	1	1	1	0.999	1	1	1	1	1
9	1	1	1	1	0.999	1	1	1	1	1
10	1	1	1.001	1	1	1	1	1	1	1
11	1	1	1	1	0.999	1	1	1	1	1
12	1	1	1	1	0.999	1	1	1	1	0.999
13	1.001	1	1	1	0.999	1	1	1	1	1
14	1.001	1	1	1	0.999	0.999	1	1	1	1
15	1.001	1	1	1	0.999	1	1	1	0.999	1
16	1.001	1	1	0.999	0.999	1	1	1	1	1
17	1.001	1	1	1	0.999	1	1	1	1	1
18	1.001	1	1	1	0.999	1	1	1	1	1
19	1.001	1	1	1	0.999	1	0.999	1	1	1
20	1	1	1	1	0.999	1	1	1	1	1
21	1.001	1	1	1	0.999	1	1	1	1	1
22	1.001	1	1	1	0.999	1	1	1	1	1
23	1.001	1	1	1	0.999	1	1	1	1	1
24	1.001	1	1	1	0.999	1	1	1	1	1
25	1	1	1	1	0.999	1	1	1	1	1
26	1.001	1	1	1	0.999	1	1	1	1	1
27	1.001	1	1	1	0.999	1	1	1	1	1
28	1	1	1	1	0.999	1	1	1	1	1
29	1.001	1	1	1	0.999	1	1	1	1	1
30	1.001	1	1	1	0.999	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-12	13-14	14-15	16-17	17-18	19-20	20-21	22-23	23-24	25-26
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	37.20	37.20	27.97	37.20	37.20	37.20	26.82	37.20	13.05	37.20
Cpl	37.08	37.08	25.48	37.08	37.08	37.08	26.64	37.08	13.67	37.08
Cpk	37.08	37.08	25.48	37.08	37.08	37.08	26.64	37.08	13.05	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	0.999	1	1	1	1	1	1	1
2	1	1	0.999	1	1	1	1	1	1	1
3	1	1	0.999	1	1	1	1	1	1.001	1
4	1	1	0.999	1	1	1	1	1	1.001	1
5	1	1	0.999	1	1	1	1	1	1	1
6	1	1	0.999	1	1	1	1	1	1.001	1
7	1	0.999	0.999	1	1	1	1	1	1.001	1
8	1	1	0.999	1	1	1	1	1	1.001	1
9	1	1	1	1	1	1	1	1	1.001	1
10	1	1	0.999	1	0.999	1	0.999	1	1.001	1
11	1	1	0.999	1	1	1	1	1	1.001	1
12	1	1	0.999	1	1	1	1	1	1.001	1
13	1	1	0.999	1	1	1	1	0.999	1.001	1
14	1	1	0.999	1	1	1	1	1	1.001	1
15	1	1	0.999	1	1	1	1	1	1	1
16	0.999	1	0.999	0.999	1	1	1	1	1	1
17	1	1	0.999	1	1	1	1	1	1	0.999
18	1	1	1	1	1	0.999	1	1	1.001	1
19	1	1	0.999	1	1	1	1	1	1	1
20	1	1	0.999	1	1	1	1	1	1	1
21	1	1	0.999	1	1	1	1	1	1.001	1
22	1	1	0.999	1	1	1	1	1	1	1
23	1	1	0.999	1	1	1	1	1	1	1
24	1	1	0.999	1	1	1	1	1	1	1
25	1	1	0.999	1	1	1	0.999	1	1	1
26	1	1	0.999	1	1	1	1	1	1	1
27	1	1	0.999	1	1	1	1	1	1.001	1
28	1	1	0.999	1	1	1	1	1	1	1
29	1	1	0.999	1	1	1	1	1	1	1
30	1	1	0.999	1	1	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	26-27	28-29	29-30	31-32	32-33	34-35	35-36	37-38	38-39	40-41
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	40.79	37.20	15.95	37.20	16.37	37.20	37.20	37.20	38.93	37.08
Cpl	33.49	37.08	15.58	37.08	15.16	37.08	37.08	37.08	35.34	37.20
Cpk	33.49	37.08	15.58	37.08	15.16	37.08	37.08	37.08	35.34	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	0.998	1	1	1	0.999	1	1	1	0.999	1
2	0.998	1	1	1	0.999	1	1	1	0.999	1
3	0.998	1	1	1	0.999	1	1	1	0.999	1
4	0.998	1	0.999	1	0.999	1	1	1	0.999	1
5	0.998	1	1	1	0.999	1	1	1	0.999	1
6	0.998	1	1	1	1	1	1	1	0.999	1
7	0.998	1	0.999	1	0.999	1	1	1	0.999	1
8	0.998	0.999	1	1	0.999	0.999	1	1	0.999	1
9	0.998	1	0.999	1	0.999	1	1	1	0.999	1
10	0.998	1	0.999	1	0.999	1	1	1	0.999	1
11	0.998	1	0.999	1	1	1	1	1	0.999	1
12	0.999	1	1	1	0.999	1	1	1	0.999	1
13	0.998	1	1	1	0.999	1	1	1	0.999	1
14	0.998	1	0.999	1	0.999	1	1	0.999	0.999	1
15	0.998	1	1	0.999	1	1	1	1	1	1
16	0.998	1	1	1	0.999	1	1	1	0.999	1.001
17	0.998	1	1	1	0.999	1	1	1	0.999	1
18	0.998	1	1	1	0.999	1	1	1	0.999	1
19	0.998	1	1	1	1	1	0.999	1	0.999	1
20	0.998	1	1	1	1	1	1	1	0.999	1
21	0.998	1	1	1	0.999	1	1	1	0.999	1
22	0.998	1	1	1	0.999	1	1	1	0.999	1
23	0.998	1	1	1	1	1	1	1	0.999	1
24	0.998	1	1	1	0.999	1	1	1	0.999	1
25	0.998	1	0.999	1	1	1	1	1	0.999	1
26	0.998	1	1	1	0.999	1	1	1	0.999	1
27	0.998	1	1	1	0.999	1	1	1	0.999	1
28	0.998	1	1	1	0.999	1	1	1	0.999	1
29	0.998	1	1	1	0.999	1	1	1	0.999	1
30	0.998	1	1	1	0.999	1	1	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1	CH1 IL-1	H1 IL-1 Phas
Condition:	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins	41-42	43-44	44-45	46-47	47-48					
Unit	*1	*1	*1	*1	*1	dB	dB	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02					
LowLimit	0.98	0.98	0.98	0.98	0.98	-1	-0.8	-0.8	-1.6	-60
Average =	1.00	1.00	1.00	1.00	1.00	-0.11	-0.20	-0.22	-0.38	-28.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.05	1.22
Cpu	37.08	37.08	19.48	37.08	33.49					
Cpl	37.20	37.20	19.74	37.20	40.79	27.95	13.80	11.61	8.03	8.74
Cpk	37.08	37.08	19.48	37.08	33.49	27.95	13.80	11.61	8.03	8.74
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	1.002	-0.111	-0.222	-0.225	-0.331	-26.527
2	1	1	1	1	1.002	-0.11	-0.203	-0.21	-0.433	-29.266
3	1	1	1	1	1.002	-0.13	-0.225	-0.243	-0.411	-28.428
4	1	1	1	1	1.002	-0.108	-0.205	-0.21	-0.468	-29.624
5	1	1	1	1	1.002	-0.11	-0.213	-0.225	-0.387	-28.254
6	1	1	1	1	1.002	-0.111	-0.192	-0.212	-0.436	-28.629
7	1.001	1	1	1	1.002	-0.1	-0.201	-0.221	-0.32	-25.956
8	1	1	1	1	1.002	-0.115	-0.202	-0.208	-0.434	-29.413
9	1	1	1	1	1.002	-0.105	-0.213	-0.222	-0.332	-26.844
10	1	1	1.001	1	1.002	-0.114	-0.22	-0.218	-0.37	-27.916
11	1	1	1	1	1.002	-0.139	-0.234	-0.273	-0.364	-26.731
12	1	1.001	1	1	1.001	-0.134	-0.217	-0.24	-0.471	-29.391
13	1	1	1	1	1.002	-0.109	-0.205	-0.216	-0.346	-27.029
14	1	1	1	1	1.002	-0.114	-0.196	-0.203	-0.428	-29.321
15	1	1	1	1	1.002	-0.104	-0.206	-0.21	-0.346	-27.148
16	1	1	1	1	1.002	-0.114	-0.216	-0.23	-0.356	-27.169
17	1	1	1.001	1.001	1.002	-0.119	-0.218	-0.234	-0.345	-26.331
18	1	1	1	1	1.002	-0.11	-0.201	-0.222	-0.377	-28.222
19	1	1	1.001	1	1.002	-0.113	-0.194	-0.21	-0.341	-27.479
20	1	1	1	1	1.002	-0.116	-0.195	-0.204	-0.428	-29.429
21	1	1	1	1	1.002	-0.099	-0.184	-0.203	-0.318	-26.426
22	1	1	1.001	1	1.002	-0.091	-0.175	-0.202	-0.329	-27.455
23	1	1	1	1	1.002	-0.109	-0.19	-0.205	-0.364	-28.171
24	1	1	1	1	1.002	-0.105	-0.196	-0.212	-0.396	-29.131
25	1	1	1	1	1.002	-0.097	-0.213	-0.235	-0.314	-26.371
26	1	1	1	1	1.002	-0.098	-0.196	-0.221	-0.341	-27.637
27	1	1	1	1	1.002	-0.115	-0.198	-0.218	-0.501	-30.806
28	1	1	1	1	1.002	-0.098	-0.184	-0.188	-0.385	-29.106
29	1	1	1	1	1.002	-0.104	-0.197	-0.218	-0.326	-27.036
30	1	1	1	1	1.002	-0.097	-0.17	-0.186	-0.421	-28.629

Parameter	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	H1 IL-2 Phas	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	H1 IL-3 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.11	-0.20	-0.22	-0.38	-29.35	-0.11	-0.19	-0.20	-0.36	-26.16
STD DEV =	0.01	0.01	0.01	0.06	1.35	0.02	0.02	0.02	0.06	1.19
Cpu										
Cpl	34.05	16.49	14.79	6.53	7.56	19.56	10.16	8.06	6.81	9.48
Cpk	34.05	16.49	14.79	6.53	7.56	19.56	10.16	8.06	6.81	9.48
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.117	-0.199	-0.215	-0.525	-31.767	-0.111	-0.19	-0.191	-0.322	-25.113
2	-0.108	-0.211	-0.223	-0.384	-30.3	-0.137	-0.207	-0.221	-0.465	-27.296
3	-0.117	-0.194	-0.212	-0.341	-28.64	-0.113	-0.198	-0.209	-0.322	-25.796
4	-0.115	-0.199	-0.219	-0.359	-29.176	-0.117	-0.187	-0.209	-0.525	-29.932
5	-0.113	-0.207	-0.222	-0.349	-28.503	-0.158	-0.236	-0.269	-0.417	-25.915
6	-0.116	-0.207	-0.23	-0.365	-28.875	-0.127	-0.204	-0.213	-0.347	-26.025
7	-0.119	-0.204	-0.218	-0.379	-29.017	-0.113	-0.181	-0.197	-0.344	-26.319
8	-0.124	-0.222	-0.25	-0.381	-28.574	-0.125	-0.208	-0.216	-0.338	-25.604
9	-0.113	-0.192	-0.205	-0.414	-30.47	-0.111	-0.19	-0.203	-0.314	-25.026
10	-0.118	-0.193	-0.205	-0.373	-29.129	-0.148	-0.239	-0.268	-0.399	-25.681
11	-0.113	-0.19	-0.206	-0.424	-30.783	-0.113	-0.196	-0.207	-0.315	-25.117
12	-0.116	-0.207	-0.217	-0.374	-29.488	-0.104	-0.184	-0.194	-0.322	-25.851
13	-0.114	-0.211	-0.237	-0.342	-27.258	-0.111	-0.201	-0.207	-0.335	-26.048
14	-0.108	-0.192	-0.213	-0.35	-28.893	-0.11	-0.184	-0.19	-0.364	-26.42
15	-0.113	-0.205	-0.228	-0.346	-27.825	-0.104	-0.175	-0.177	-0.309	-25.138
16	-0.123	-0.2	-0.222	-0.52	-32.406	-0.117	-0.195	-0.196	-0.435	-28.048
17	-0.113	-0.198	-0.214	-0.573	-32.476	-0.111	-0.193	-0.197	-0.336	-25
18	-0.123	-0.213	-0.226	-0.435	-30.995	-0.11	-0.187	-0.187	-0.318	-25.624
19	-0.106	-0.205	-0.218	-0.347	-28.878	-0.107	-0.168	-0.168	-0.352	-26.635
20	-0.117	-0.214	-0.234	-0.355	-28.58	-0.12	-0.193	-0.203	-0.335	-25.625
21	-0.093	-0.168	-0.184	-0.476	-31.532	-0.092	-0.167	-0.17	-0.286	-25.181
22	-0.101	-0.189	-0.208	-0.372	-28.821	-0.091	-0.154	-0.171	-0.423	-27.743
23	-0.1	-0.205	-0.226	-0.351	-28.688	-0.11	-0.188	-0.188	-0.318	-26.1
24	-0.098	-0.189	-0.201	-0.339	-28.569	-0.101	-0.161	-0.164	-0.417	-27.451
25	-0.108	-0.201	-0.223	-0.35	-28.994	-0.1	-0.162	-0.167	-0.307	-25.78
26	-0.098	-0.177	-0.198	-0.325	-27.935	-0.097	-0.177	-0.199	-0.315	-25.373
27	-0.102	-0.189	-0.202	-0.353	-29.42	-0.104	-0.169	-0.182	-0.294	-25.182
28	-0.103	-0.199	-0.221	-0.316	-27.536	-0.094	-0.176	-0.186	-0.3	-25.013
29	-0.097	-0.172	-0.205	-0.346	-28.28	-0.101	-0.156	-0.172	-0.493	-28.909
30	-0.095	-0.185	-0.202	-0.336	-28.778	-0.094	-0.164	-0.168	-0.311	-25.935

Parameter	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	H1 IL-4 Phas	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	H1 IL-5 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.11	-0.19	-0.20	-0.38	-28.98	-0.10	-0.17	-0.17	-0.30	-26.81
STD DEV =	0.01	0.02	0.02	0.05	1.23	0.01	0.01	0.01	0.05	1.12
Cpu										
Cpl	25.47	13.14	10.12	7.62	8.41	34.38	17.81	15.82	9.54	9.84
Cpk	25.47	13.14	10.12	7.62	8.41	34.38	17.81	15.82	9.54	9.84
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.114	-0.195	-0.214	-0.367	-28.764	-0.109	-0.178	-0.181	-0.274	-25.99
2	-0.104	-0.183	-0.199	-0.333	-27.322	-0.128	-0.205	-0.219	-0.32	-26.701
3	-0.107	-0.191	-0.217	-0.334	-27.542	-0.105	-0.177	-0.179	-0.276	-25.371
4	-0.106	-0.182	-0.2	-0.338	-27.677	-0.106	-0.166	-0.166	-0.351	-27.885
5	-0.102	-0.187	-0.218	-0.362	-28.479	-0.101	-0.174	-0.175	-0.295	-26.318
6	-0.11	-0.202	-0.207	-0.346	-28.085	-0.104	-0.173	-0.194	-0.264	-25.716
7	-0.109	-0.189	-0.199	-0.38	-29.237	-0.106	-0.166	-0.174	-0.274	-26.379
8	-0.106	-0.186	-0.199	-0.36	-28.815	-0.104	-0.175	-0.17	-0.28	-26.54
9	-0.108	-0.185	-0.202	-0.404	-29.717	-0.103	-0.195	-0.165	-0.291	-26.591
10	-0.107	-0.184	-0.213	-0.395	-29.668	-0.096	-0.17	-0.169	-0.396	-28.999
11	-0.104	-0.193	-0.212	-0.369	-29.152	-0.096	-0.171	-0.18	-0.277	-26.089
12	-0.096	-0.178	-0.205	-0.37	-28.269	-0.099	-0.166	-0.168	-0.425	-29.565
13	-0.102	-0.175	-0.195	-0.518	-31.845	-0.11	-0.168	-0.167	-0.351	-28.446
14	-0.103	-0.188	-0.213	-0.383	-29.35	-0.104	-0.171	-0.171	-0.287	-26.496
15	-0.107	-0.179	-0.189	-0.341	-27.68	-0.093	-0.15	-0.149	-0.358	-28.199
16	-0.116	-0.198	-0.208	-0.387	-29.054	-0.112	-0.188	-0.19	-0.317	-27.11
17	-0.111	-0.188	-0.204	-0.354	-28.149	-0.107	-0.171	-0.181	-0.361	-27.307
18	-0.112	-0.195	-0.2	-0.356	-28.57	-0.109	-0.162	-0.162	-0.326	-28.145
19	-0.105	-0.187	-0.208	-0.327	-28.227	-0.098	-0.174	-0.169	-0.268	-25.574
20	-0.103	-0.189	-0.197	-0.35	-28.03	-0.105	-0.182	-0.185	-0.295	-26.766
21	-0.087	-0.157	-0.185	-0.475	-32.024	-0.084	-0.157	-0.176	-0.238	-25.323
22	-0.091	-0.166	-0.178	-0.466	-30.749	-0.088	-0.152	-0.154	-0.266	-26.417
23	-0.105	-0.163	-0.198	-0.508	-30.974	-0.098	-0.171	-0.169	-0.311	-26.937
24	-0.093	-0.163	-0.182	-0.473	-30.728	-0.095	-0.164	-0.173	-0.274	-26.787
25	-0.094	-0.181	-0.206	-0.321	-28.136	-0.096	-0.162	-0.183	-0.245	-25.244
26	-0.157	-0.248	-0.295	-0.425	-28.323	-0.095	-0.166	-0.169	-0.302	-27.079
27	-0.111	-0.185	-0.204	-0.365	-27.757	-0.091	-0.167	-0.16	-0.282	-26.872
28	-0.105	-0.177	-0.191	-0.397	-29.192	-0.095	-0.171	-0.182	-0.251	-25.297
29	-0.099	-0.185	-0.2	-0.398	-29.839	-0.096	-0.148	-0.154	-0.362	-28.387
30	-0.095	-0.174	-0.186	-0.326	-28.061	-0.086	-0.163	-0.174	-0.25	-25.652

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6	CH1 IL-6	H1 IL-6 Phas	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	H1 IL-7 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.11	-0.19	-0.21	-0.37	-29.57	-0.11	-0.21	-0.24	-0.40	-27.08
STD DEV =	0.01	0.01	0.01	0.06	1.36	0.01	0.01	0.02	0.06	1.29
Cpu										
Cpl	30.97	18.02	18.46	7.27	7.48	26.21	14.65	12.26	6.58	8.53
Cpk	30.97	18.02	18.46	7.27	7.48	26.21	14.65	12.26	6.58	8.53
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.111	-0.197	-0.216	-0.33	-28.84	-0.123	-0.225	-0.251	-0.44	-28.576
2	-0.115	-0.182	-0.21	-0.516	-32.818	-0.124	-0.232	-0.264	-0.38	-26.82
3	-0.107	-0.195	-0.205	-0.354	-29.87	-0.112	-0.209	-0.241	-0.373	-27.253
4	-0.125	-0.211	-0.229	-0.337	-27.97	-0.129	-0.211	-0.243	-0.374	-26.019
5	-0.116	-0.202	-0.221	-0.385	-29.782	-0.113	-0.208	-0.234	-0.366	-27.184
6	-0.113	-0.182	-0.212	-0.469	-31.312	-0.107	-0.212	-0.244	-0.345	-25.969
7	-0.114	-0.195	-0.206	-0.319	-28.608	-0.113	-0.21	-0.234	-0.345	-25.795
8	-0.112	-0.206	-0.209	-0.466	-31.446	-0.107	-0.211	-0.249	-0.35	-25.729
9	-0.115	-0.203	-0.217	-0.337	-28.184	-0.111	-0.208	-0.23	-0.346	-26.371
10	-0.112	-0.189	-0.202	-0.313	-27.206	-0.108	-0.215	-0.248	-0.342	-26.124
11	-0.11	-0.201	-0.225	-0.317	-28.312	-0.112	-0.213	-0.248	-0.356	-25.878
12	-0.11	-0.19	-0.202	-0.39	-30.295	-0.113	-0.208	-0.227	-0.437	-28.834
13	-0.109	-0.2	-0.217	-0.316	-28.038	-0.107	-0.207	-0.245	-0.342	-25.736
14	-0.112	-0.189	-0.214	-0.375	-29.918	-0.108	-0.2	-0.232	-0.561	-30.119
15	-0.126	-0.208	-0.219	-0.34	-28.675	-0.126	-0.227	-0.251	-0.376	-25.98
16	-0.127	-0.212	-0.215	-0.379	-30.343	-0.127	-0.212	-0.24	-0.422	-27.376
17	-0.111	-0.188	-0.205	-0.338	-29.294	-0.13	-0.231	-0.261	-0.396	-26.522
18	-0.113	-0.181	-0.19	-0.484	-32.346	-0.116	-0.193	-0.232	-0.594	-30.571
19	-0.103	-0.19	-0.2	-0.343	-29.942	-0.13	-0.23	-0.271	-0.379	-26.032
20	-0.118	-0.197	-0.209	-0.409	-31.066	-0.113	-0.209	-0.232	-0.434	-28.113
21	-0.089	-0.175	-0.192	-0.306	-27.957	-0.097	-0.188	-0.231	-0.348	-26.321
22	-0.089	-0.181	-0.207	-0.307	-28.015	-0.091	-0.177	-0.211	-0.44	-28.374
23	-0.107	-0.181	-0.216	-0.322	-28.499	-0.112	-0.203	-0.232	-0.461	-28.801
24	-0.132	-0.205	-0.235	-0.408	-29.775	-0.104	-0.201	-0.238	-0.348	-25.699
25	-0.101	-0.183	-0.208	-0.335	-29.389	-0.106	-0.196	-0.236	-0.383	-27.053
26	-0.102	-0.185	-0.207	-0.364	-29.718	-0.103	-0.195	-0.219	-0.373	-26.959
27	-0.102	-0.183	-0.2	-0.372	-29.643	-0.137	-0.226	-0.282	-0.452	-27.388
28	-0.102	-0.167	-0.187	-0.349	-30.049	-0.129	-0.227	-0.262	-0.416	-27.482
29	-0.101	-0.194	-0.214	-0.332	-28.529	-0.1	-0.196	-0.226	-0.397	-27.252
30	-0.11	-0.176	-0.2	-0.452	-31.195	-0.097	-0.193	-0.231	-0.332	-26.029

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	H1 IL-8 Phas	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-50	-40	-33	-28	-50
LowLimit	-1	-0.8	-0.8	-1.6	-60					
Average =	-0.11	-0.22	-0.25	-0.44	-29.78	-90.45	-66.31	-59.19	-54.02	-92.55
STD DEV =	0.01	0.02	0.02	0.06	1.31	4.92	5.55	4.63	4.16	4.89
Cpu						2.74	1.58	1.89	2.08	2.90
Cpl	24.20	10.36	7.83	6.46	7.67					
Cpk	24.20	10.36	7.83	6.46	7.67	2.74	1.58	1.89	2.08	2.90
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.114	-0.22	-0.251	-0.393	-29.22	-94.218	-58.391	-52.323	-48.763	-94.58
2	-0.112	-0.212	-0.252	-0.398	-28.953	-87.589	-72.255	-65.408	-57.026	-80.437
3	-0.117	-0.224	-0.263	-0.396	-29.004	-91.792	-64.732	-58.692	-56.645	-95.356
4	-0.107	-0.222	-0.262	-0.386	-28.748	-90.33	-73.236	-65.076	-54.208	-99.41
5	-0.114	-0.221	-0.259	-0.387	-28.927	-93.072	-69.393	-61.914	-56.867	-92.856
6	-0.11	-0.21	-0.246	-0.508	-31.527	-83.992	-54.928	-48.053	-43.775	-92.223
7	-0.152	-0.266	-0.318	-0.463	-29.321	-88.413	-62.209	-57.007	-53.846	-97.378
8	-0.118	-0.223	-0.259	-0.373	-27.923	-88.966	-81.016	-66.854	-55.476	-91.182
9	-0.112	-0.224	-0.256	-0.378	-28.209	-88.296	-65.148	-59.94	-54.533	-89.553
10	-0.125	-0.25	-0.294	-0.402	-28.778	-95.058	-65.608	-59.933	-56.238	-93.072
11	-0.119	-0.23	-0.267	-0.413	-28.961	-88.216	-60.804	-54.474	-52.151	-99.206
12	-0.141	-0.237	-0.283	-0.497	-30.159	-88.406	-67.027	-59.322	-56.765	-99.1
13	-0.132	-0.242	-0.285	-0.411	-27.915	-88.005	-65.937	-58.84	-55.566	-92.217
14	-0.109	-0.217	-0.269	-0.395	-29.038	-97.011	-69.27	-66.844	-59.625	-93.189
15	-0.121	-0.22	-0.251	-0.498	-30.619	-108.25	-67.219	-58.946	-53.076	-88.003
16	-0.123	-0.23	-0.261	-0.587	-32.45	-90.076	-70.935	-58.423	-48.673	-84.781
17	-0.121	-0.211	-0.233	-0.511	-31.573	-89.456	-60.705	-54.902	-50.809	-97.994
18	-0.116	-0.212	-0.24	-0.477	-30.633	-94.558	-75.956	-62.312	-50.72	-88.867
19	-0.107	-0.209	-0.232	-0.438	-30.301	-86.5	-68.383	-61.797	-57.446	-90.09
20	-0.119	-0.217	-0.246	-0.454	-30.135	-93.171	-69.742	-63.758	-60.957	-99.55
21	-0.093	-0.173	-0.215	-0.474	-31.31	-86.638	-61.454	-54.429	-48.434	-95.77
22	-0.098	-0.192	-0.22	-0.436	-30.647	-91.692	-62.212	-55.949	-52.18	-97.156
23	-0.113	-0.209	-0.235	-0.52	-31.045	-86.707	-68.234	-61.675	-55.607	-98.962
24	-0.108	-0.2	-0.223	-0.43	-30.225	-89.468	-67.57	-61.998	-56.434	-84.255
25	-0.106	-0.208	-0.242	-0.382	-29.106	-91.066	-65.377	-58.289	-54.811	-90.835
26	-0.098	-0.187	-0.22	-0.357	-29.093	-96.762	-65.827	-60.193	-56.593	-90.568
27	-0.103	-0.2	-0.236	-0.542	-32.064	-91.681	-70.612	-63.668	-60.408	-88.481
28	-0.102	-0.191	-0.221	-0.34	-27.454	-89.098	-64.914	-58.318	-56.221	-95.224
29	-0.109	-0.2	-0.231	-0.398	-28.574	-83.403	-65.339	-58.139	-52.895	-87.778
30	-0.104	-0.199	-0.24	-0.494	-31.583	-81.478	-54.929	-48.36	-43.848	-88.518

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-50	-40	-33	-28	-50	-40	-33
LowLimit										
Average =	-70.48	-64.26	-53.55	-91.15	-68.25	-60.63	-54.35	-92.46	-71.09	-67.00
STD DEV =	7.29	7.69	6.15	5.48	6.96	5.85	5.79	7.21	7.40	7.73
Cpu	1.39	1.35	1.38	2.50	1.35	1.58	1.52	1.96	1.40	1.47
Cpl										
Cpk	1.39	1.35	1.38	2.50	1.35	1.58	1.52	1.96	1.40	1.47
DATA	-	-	-	-	-	-	-	-	-	-
1	-74.867	-66.841	-54.486	-95.5	-63.911	-57.454	-55.682	-108.942	-75.626	-70.647
2	-58.148	-51.958	-45.141	-87.61	-71.247	-67.181	-65.641	-111.711	-70.113	-78.69
3	-74.629	-69.372	-56.038	-87.708	-67.413	-60.228	-59.228	-86.038	-73.959	-74.231
4	-71.827	-62.538	-51.085	-103.19	-78.246	-67.573	-56.123	-90.519	-78.564	-72.183
5	-74.07	-65.714	-53.509	-88.703	-58.572	-52.933	-50.301	-101.246	-77.943	-73.961
6	-69.591	-62.724	-52.802	-86.036	-73.271	-66.031	-58.606	-89.739	-78.32	-67.838
7	-74.475	-73.532	-62.058	-88.37	-69.998	-62.633	-55.401	-95.982	-68.717	-66.262
8	-71.845	-67.564	-55.272	-95.234	-64.047	-58.565	-56.631	-103.185	-74.546	-69.175
9	-74.328	-74.604	-64.773	-86.844	-58.531	-50.692	-47.519	-90.824	-69.305	-63.002
10	-66.619	-60.14	-51.75	-90.937	-73.678	-65.034	-53.318	-80.831	-52.544	-65.832
11	-71.61	-65.376	-46.129	-91.696	-77.874	-66.105	-53.868	-87.583	-67.508	-61.619
12	-79.866	-71.737	-57.611	-87.183	-71.852	-64.541	-56.289	-79.043	-55.115	-48.561
13	-81.485	-75.153	-56.956	-102.168	-73.427	-64.13	-53.736	-89.179	-58.78	-51.861
14	-64.681	-58.649	-49.754	-94.854	-70.982	-63.202	-52.439	-86.737	-66.901	-60.981
15	-76.521	-68.632	-55.83	-81.166	-66.376	-62.331	-60.705	-90.09	-72.295	-79.335
16	-54.268	-47.973	-41.51	-93.582	-70.327	-60.176	-50.692	-85.608	-67.542	-59.515
17	-74.873	-67.659	-61.678	-90.566	-72.404	-66.274	-61.593	-89.516	-67.842	-61.276
18	-61.929	-57.009	-49.769	-95.234	-81.411	-64.833	-54.437	-90.669	-80.278	-73.467
19	-62.174	-56.41	-48.193	-91.426	-73.796	-62.537	-61.953	-89.612	-74.084	-73.094
20	-74.664	-70.163	-63.863	-95.929	-63.291	-57.883	-56.428	-98.079	-78.384	-76.447
21	-74.168	-68.761	-58.895	-93.063	-64.005	-57.537	-53.624	-89.656	-75.715	-67.125
22	-69.049	-60.208	-49.771	-83.485	-54.145	-47.423	-40.903	-96.905	-76.037	-67.714
23	-72.469	-77.969	-58.066	-96.9	-66.905	-60.37	-52.334	-97.425	-62.882	-57.28
24	-57.134	-50.366	-43.133	-82.745	-52.51	-45.417	-38.894	-91.632	-72.48	-65.504
25	-76.573	-66.283	-54.231	-91.112	-69.513	-63.789	-59.555	-83.999	-73.553	-73.229
26	-82.201	-68.215	-59.618	-91.145	-64.77	-59.75	-55.577	-93.621	-81.821	-76.63
27	-74.771	-67.949	-58.112	-88.772	-70.601	-63.586	-54.265	-90.727	-79.71	-70.358
28	-71.07	-63.293	-52.794	-88.694	-73.089	-62.971	-51.879	-96.603	-68.984	-63.673
29	-55.349	-48.287	-41.261	-83.32	-57.089	-50.662	-44.117	-91.085	-58.626	-52.928
30	-69.262	-62.632	-52.472	-101.259	-74.127	-67.058	-58.747	-97.147	-74.624	-67.462

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-28	-50	-40	-33	-28	-50	-40	-33	-28	-50
LowLimit										
Average =	-59.12	-91.32	-66.80	-59.66	-54.35	-90.51	-65.43	-59.43	-50.73	-91.04
STD DEV =	6.59	5.57	6.51	4.12	3.46	6.68	6.23	6.54	4.92	4.09
Cpu	1.57	2.47	1.37	2.16	2.54	2.02	1.36	1.35	1.54	3.35
Cpl										
Cpk	1.57	2.47	1.37	2.16	2.54	2.02	1.36	1.35	1.54	3.35
DATA	-	-	-	-	-	-	-	-	-	-
1	-61.046	-97.985	-62.985	-56.978	-55.328	-109.208	-65.862	-58.976	-50.006	-92.275
2	-69.167	-97.163	-68.661	-62.35	-52.325	-84.398	-59.843	-54.377	-48.638	-91.428
3	-58.363	-86.096	-59.77	-54.062	-52.492	-93.381	-66.127	-60.692	-52.378	-88.152
4	-59.167	-101.252	-66.574	-61.166	-58.36	-87.9	-67.755	-62.381	-52.833	-96.656
5	-62.349	-87.163	-67.006	-61.853	-54.819	-91.575	-63.173	-58.334	-51.011	-93.082
6	-69.545	-93.187	-63.827	-56.309	-52.017	-90.821	-68.849	-67.633	-56.94	-94.082
7	-68.05	-101.244	-64.713	-59.037	-57.238	-80.972	-75.665	-67.284	-53.251	-88.767
8	-63.398	-88.634	-58.656	-53.27	-50.887	-87.848	-62.657	-55.446	-49.112	-87.95
9	-56.115	-94.55	-70.177	-62.264	-58.227	-94.809	-70.831	-69.777	-57.433	-89.912
10	-50.175	-90.383	-73.408	-65.498	-60.745	-101.384	-74.303	-68.375	-55.616	-96.899
11	-54.122	-92.163	-66.877	-59.233	-57.283	-87.586	-74.997	-66.86	-55.238	-96.907
12	-52.571	-85.113	-59.086	-51.75	-43.933	-92.532	-64.464	-57.799	-49.627	-97.103
13	-45.231	-84.913	-67.099	-60.673	-57.893	-88.363	-65.951	-59.198	-51.286	-83.335
14	-53.244	-89.209	-72.185	-62.4	-53.701	-81.714	-53.755	-46.975	-40.485	-90.141
15	-66.143	-85.264	-63.681	-57.211	-56.705	-94.218	-70.96	-63.555	-55.015	-94.015
16	-52.579	-91.468	-68.889	-62.879	-58.343	-102.924	-61.577	-55.642	-47.616	-83.493
17	-53.532	-100.427	-85.71	-69.22	-54.904	-91.46	-76.518	-62.84	-58.313	-94.003
18	-58.952	-92.013	-71.108	-63.881	-54.047	-79.316	-50.253	-43.693	-37.646	-85.76
19	-67.649	-91.533	-72.931	-63.528	-54.525	-87.844	-66.637	-61.426	-53.455	-88.068
20	-63.274	-86.029	-66.399	-60.031	-52.886	-91.22	-56.718	-50.113	-43.391	-91.723
21	-65.053	-93.53	-62.021	-56.678	-54.692	-84.99	-67.887	-62.064	-52.539	-86.802
22	-57.532	-90.811	-62.034	-55.556	-53.929	-83.05	-68.574	-60.811	-49.875	-85.236
23	-51.399	-88.566	-78.816	-64.745	-54.465	-90.562	-61.086	-54.082	-46.168	-87.366
24	-57.575	-85.141	-64.627	-59.21	-56.889	-95.736	-68.736	-66.947	-56.148	-90.312
25	-61.794	-94.157	-56.632	-59.2	-56.03	-87.005	-62.715	-56.572	-49.635	-93.856
26	-62.357	-83.205	-62.924	-54.943	-45.909	-87.867	-66.879	-59.89	-51.113	-95.226
27	-62.186	-82.757	-60.043	-54.105	-50.785	-81.393	-54.998	-48.939	-42.858	-95.138
28	-55.641	-94.733	-64.965	-58.91	-54.476	-97.58	-61.295	-54.798	-47.973	-88.889
29	-46.765	-102.931	-79.835	-65.853	-54.334	-96.772	-66.042	-58.815	-50.289	-96.593
30	-68.719	-87.865	-62.259	-56.961	-52.267	-91.008	-67.68	-68.676	-55.927	-87.914

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-18	-18	-18	-16	-14.4	-11	-9
LowLimit										
Average =	-64.05	-57.23	-52.71	-32.90	-31.80	-31.85	-23.01	-20.63	-16.81	-12.74
STD DEV =	3.47	2.93	4.05	2.61	2.93	3.30	1.48	1.48	1.30	0.81
Cpu	2.31	2.76	2.03	1.90	1.57	1.40	1.58	1.41	1.49	1.55
Cpl										
Cpk	2.31	2.76	2.03	1.90	1.57	1.40	1.58	1.41	1.49	1.55
DATA	-	-	-	-	-	-	-	-	-	-
1	-64.132	-58.185	-54.682	-36.208	-29.648	-34.71	-23.484	-20.905	-15.551	-12.027
2	-65.2	-58.622	-56.039	-36.832	-30.056	-36.878	-23.394	-22.077	-18.72	-13.551
3	-63.33	-57.572	-55.581	-33.203	-36.495	-34.478	-22.792	-19.442	-18.89	-13.982
4	-65.393	-58.422	-53.733	-34.848	-26.927	-29.054	-23.865	-21.944	-15.418	-12.834
5	-61.358	-55.231	-52.083	-29.649	-33.811	-26.834	-22.597	-21.873	-17.79	-13.725
6	-57.753	-52.071	-48.995	-28.332	-27.531	-30.881	-23.924	-19.235	-15.855	-13.469
7	-68.379	-60.5	-56.638	-34.089	-31.678	-32.333	-24.553	-22.68	-16.135	-11.958
8	-61.015	-54.688	-52.024	-30.868	-30.247	-34.572	-22.071	-22.64	-15.183	-12.187
9	-64.978	-57.633	-55.079	-30.363	-28.057	-31.415	-24.874	-19.343	-17.086	-14.007
10	-64.646	-58.637	-54.921	-30.99	-28.939	-29.103	-20.716	-18.716	-18.393	-12.913
11	-63.147	-59.308	-57.211	-33.591	-28.547	-27.626	-22.786	-20.744	-15.402	-13.237
12	-66.982	-61.101	-59.932	-34.333	-29.463	-27.476	-24.817	-21.527	-18.649	-12.938
13	-64.378	-57.854	-55.042	-32.665	-36.896	-26.342	-20.902	-21.38	-15.442	-13
14	-68.168	-59.661	-56.623	-29.863	-32.334	-31.125	-24.621	-18.928	-15.179	-11.715
15	-66.352	-59.896	-54.38	-30.276	-32.135	-27.509	-22.271	-18.293	-15.258	-11.395
16	-59.997	-52.488	-44.25	-28.724	-31.126	-35.44	-24.429	-21.938	-18.044	-11.628
17	-66.462	-59.55	-52.359	-33.833	-32.277	-34.565	-22.411	-21.092	-18.212	-12.368
18	-56.584	-49.669	-42.992	-29.99	-26.712	-33.191	-24.401	-22.153	-16.649	-11.702
19	-60.504	-54.63	-51.097	-35.533	-34.79	-27.399	-23.248	-19.029	-15.387	-13.497
20	-73.023	-60.838	-50.262	-35.196	-34.48	-30.742	-20.947	-19.295	-17.969	-13.624
21	-63.01	-56.577	-51.742	-33.753	-35.483	-33.358	-20.709	-20.655	-15.331	-12.581
22	-61.858	-54.186	-46.187	-36.843	-33.092	-32.276	-22.661	-18.161	-16.708	-11.278
23	-62.798	-54.775	-45.679	-36.092	-33.429	-33.712	-20.875	-20.05	-15.456	-11.488
24	-67.414	-60.046	-53.624	-33.179	-32.241	-36.402	-20.486	-20.25	-17.189	-12.513
25	-68.192	-60.019	-54.992	-36.59	-30.932	-35.972	-22.53	-22.561	-16.568	-13.937
26	-64.601	-58.178	-54.789	-30.377	-27.953	-31.09	-21.187	-18.399	-16.741	-12.82
27	-65.711	-56.992	-49.118	-31.224	-33.537	-31.707	-24.918	-20.347	-19.011	-12.766
28	-64.766	-58.752	-55.727	-33.018	-35.684	-26.835	-24.929	-22.827	-18.305	-13.23
29	-63.721	-58.959	-56.713	-30.015	-33.648	-36.373	-24.78	-19.873	-16.269	-13.272
30	-57.767	-51.978	-48.869	-36.376	-35.937	-35.972	-24.125	-22.635	-17.658	-12.633

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-11	-9	-18	-18	-18
LowLimit										
Average =	-33.28	-31.37	-31.40	-22.77	-20.54	-17.46	-12.58	-32.15	-31.57	-31.41
STD DEV =	2.32	2.79	2.93	1.43	1.34	1.11	0.86	2.50	3.13	3.05
Cpu	2.19	1.60	1.52	1.58	1.53	1.94	1.39	1.89	1.44	1.46
Cpl										
Cpk	2.19	1.60	1.52	1.58	1.53	1.94	1.39	1.89	1.44	1.46
DATA	-	-	-	-	-	-	-	-	-	-
1	-31.798	-36.676	-26.914	-20.265	-18.856	-18.091	-11.803	-29.006	-36.431	-31.061
2	-36.195	-36.089	-35.427	-24.585	-20.633	-16.073	-13.928	-28.295	-29.436	-32.378
3	-30.233	-29.048	-33.198	-23.907	-20.072	-18.446	-13.968	-30.693	-27.16	-33.965
4	-36.941	-26.9	-26.708	-20.87	-18.692	-16.54	-11.98	-34.74	-30.282	-30.563
5	-30.982	-31.446	-36.209	-22.428	-18.366	-18.85	-12.189	-35.272	-36.974	-33.264
6	-32.906	-31.726	-36.603	-20.141	-21.811	-18.33	-13.712	-29.459	-35.318	-26.987
7	-33.685	-32.209	-33.235	-23.299	-21.621	-16.674	-11.461	-30.421	-35.646	-33.388
8	-32.318	-31.962	-27.903	-24.744	-21.086	-17.802	-13.32	-30.63	-32.244	-30.016
9	-34.241	-29.937	-32.05	-21.774	-20.649	-18.416	-12.343	-30.398	-29.523	-28.173
10	-36.442	-33.351	-29.016	-22.595	-21.844	-16.007	-12.191	-36.673	-28.458	-27.675
11	-29.265	-32.638	-34.242	-21.985	-22.664	-18.52	-12.274	-32.507	-27.476	-26.151
12	-34.53	-35.926	-31.747	-24.892	-18.493	-18.142	-11.725	-31.517	-36.398	-35.106
13	-31.499	-27.548	-33.071	-21.649	-20.689	-18.275	-12.29	-33.636	-31.56	-30.097
14	-34.564	-30.162	-30.038	-24.507	-19.791	-16.108	-11.253	-29.056	-26.852	-35.413
15	-36.542	-27.232	-26.404	-23.374	-20.523	-18.056	-13.901	-33.148	-32.159	-30.159
16	-31.17	-31.437	-31.069	-24.325	-21.875	-18.039	-12.444	-34.207	-34.351	-29.048
17	-28.884	-33.426	-32.857	-20.17	-20.468	-18.569	-13.9	-31.126	-32.651	-29.231
18	-32.398	-31.119	-33.246	-22.341	-18.301	-17.573	-12.038	-30.645	-26.277	-32.168
19	-32.142	-32.714	-30.73	-23.429	-21.472	-15.956	-12.99	-36.58	-31.744	-36.639
20	-30.017	-28.031	-29.832	-23.485	-21.917	-15.682	-11.651	-33.847	-28.938	-29.237
21	-34.894	-32.276	-30.456	-23.122	-19.229	-18.605	-13.57	-33.987	-30.744	-34.678
22	-33.513	-28.28	-30.333	-21.336	-21.875	-17.094	-12.865	-28.815	-27.229	-33.902
23	-31.707	-36.288	-35.943	-23.821	-22.787	-16.615	-12.57	-33.786	-30.932	-28.814
24	-36.163	-31.474	-33.067	-24.924	-18.443	-18.319	-12.763	-29.055	-34.294	-34.313
25	-36.285	-34.263	-33.174	-22.381	-20.599	-17.806	-13.835	-32.687	-31.854	-29.809
26	-31.782	-28.385	-27.585	-24.1	-20.177	-15.639	-11.416	-35.034	-36.156	-36.831
27	-34.377	-28.925	-29.262	-20.716	-18.975	-15.245	-12.818	-33.967	-28.173	-27.658
28	-31.394	-28.191	-28.733	-22.379	-20.558	-18.619	-11.992	-30.546	-33.141	-29.562
29	-35.543	-29.609	-34.813	-23.207	-21.926	-16.795	-12.868	-35.827	-31.769	-36.74
30	-35.924	-33.881	-27.991	-22.396	-21.722	-18.78	-11.221	-28.939	-32.911	-29.222

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4	-11
LowLimit										
Average =	-22.73	-20.82	-17.10	-12.77	-33.08	-32.55	-31.43	-22.53	-21.18	-16.79
STD DEV =	1.58	1.30	1.10	0.70	2.22	2.78	3.17	1.51	1.18	1.18
Cpu	1.42	1.64	1.85	1.78	2.27	1.74	1.41	1.44	1.91	1.63
Cpl										
Cpk	1.42	1.64	1.85	1.78	2.27	1.74	1.41	1.44	1.91	1.63
DATA	-	-	-	-	-	-	-	-	-	-
1	-24.024	-19.122	-15.945	-13.985	-32.985	-31.019	-28.562	-24.874	-22.598	-16.62
2	-24.893	-21.991	-16.906	-13.296	-28.174	-30.845	-34.531	-20.197	-21.98	-16.459
3	-21.42	-22.932	-15.409	-12.321	-32.845	-32.641	-34.149	-20.955	-21.535	-15.471
4	-22.875	-20.903	-17.417	-13.33	-33.912	-36.741	-30.514	-22.377	-21.864	-15.514
5	-21.347	-18.885	-16.073	-14.013	-31.282	-33.186	-36.793	-22.365	-21.872	-18.39
6	-20.271	-21.402	-17.656	-12.662	-30.332	-32.596	-30.501	-20.562	-22.263	-18.653
7	-20.14	-18.768	-17.257	-12.832	-36.863	-27.245	-36.341	-23.36	-22.745	-15.631
8	-21.571	-20.084	-18.118	-12.679	-35.741	-28.546	-35.588	-23.953	-20.312	-16.656
9	-21.851	-18.316	-17.741	-12.707	-31.301	-31.346	-30.936	-23.935	-20.468	-17.119
10	-24.288	-21.458	-15.434	-12.149	-32.373	-35.027	-30.181	-24.657	-22.997	-18.76
11	-24.757	-20.067	-18.311	-12.668	-35.664	-32.866	-36.294	-20.217	-21.263	-16.488
12	-23.455	-20.769	-16.121	-13.072	-31.42	-33.176	-31.938	-22.931	-21.452	-16.359
13	-22.191	-22.812	-16.76	-13.54	-33.367	-33.805	-29.882	-24.744	-22.017	-15.412
14	-24.297	-20.757	-15.684	-12.272	-34.091	-27.221	-28.234	-23.374	-22.22	-15.581
15	-20.523	-19.246	-18.747	-11.657	-34.481	-33.135	-29.96	-20.802	-21.656	-16.675
16	-24.327	-21.165	-17.201	-12.077	-32.023	-28.721	-27.499	-24.138	-18.348	-15.702
17	-24.892	-20.979	-16.571	-12.708	-35.605	-35.994	-30.473	-22.292	-20.541	-18.238
18	-22.093	-21.938	-17.253	-13.703	-34.58	-31.666	-35.017	-21.548	-21.956	-18.015
19	-24.43	-21.166	-17.141	-13.682	-31.035	-30.771	-30.293	-21.548	-19.349	-15.155
20	-24.809	-20.126	-17.469	-13.733	-32.966	-35.061	-31.303	-23.562	-21.534	-18.497
21	-20.379	-19.491	-18.861	-12.661	-29.773	-28.123	-26.553	-24.208	-21.042	-18.057
22	-22.699	-20.945	-18.89	-12.517	-30.832	-34.394	-26.231	-21.593	-19.123	-17.61
23	-23.092	-20.485	-16.953	-12.669	-35.331	-33.599	-28.288	-21.196	-22.046	-15.208
24	-21.621	-22.661	-18.981	-12.167	-33.289	-36.251	-33.206	-24.663	-19.414	-16.053
25	-23.865	-22.647	-17.4	-13.355	-36.808	-32.101	-29.753	-22.803	-20.529	-16.351
26	-22.696	-20.921	-16.146	-12.468	-30.401	-28.979	-34.717	-21.723	-19.664	-18.741
27	-24.152	-18.838	-18.685	-12.86	-33.9	-36.385	-36.593	-20.616	-19.746	-16.319
28	-23.747	-20.846	-15.433	-11.369	-30.377	-35.456	-33.02	-21.927	-20.524	-16.784
29	-20.935	-22.567	-15.525	-11.194	-35.011	-36.515	-27.49	-24.373	-21.974	-17.837
30	-20.316	-22.287	-17.026	-12.623	-35.633	-32.996	-28.125	-20.535	-22.346	-15.198

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-9	-18	-18	-18	-16	-14.4	-11	-9	-18	-18
LowLimit										
Average =	-12.51	-32.15	-31.37	-30.08	-22.55	-20.43	-17.17	-12.89	-33.00	-32.55
STD DEV =	0.79	2.46	3.13	2.46	1.38	1.34	1.14	0.78	2.85	2.52
Cpu	1.47	1.92	1.43	1.64	1.58	1.50	1.80	1.67	1.75	1.93
Cpl										
Cpk	1.47	1.92	1.43	1.64	1.58	1.50	1.80	1.67	1.75	1.93
DATA	-	-	-	-	-	-	-	-	-	-
1	-11.486	-31.61	-32.094	-35.541	-20.336	-19.756	-17.721	-12.948	-34.361	-35.953
2	-13.409	-36.738	-29.202	-27.658	-22.444	-18.867	-17.368	-13.521	-34.958	-28.213
3	-13.732	-34.243	-30.636	-28.134	-24.199	-19.46	-18.497	-13.413	-33.461	-33.488
4	-11.398	-28.3	-27.911	-28.87	-24.223	-22.815	-15.609	-13.062	-31.907	-35.059
5	-11.885	-29.713	-35.848	-29.539	-20.821	-21.108	-18.796	-12.692	-34.009	-32.451
6	-13.36	-31.849	-33.554	-27.868	-20.274	-20.739	-16.955	-11.76	-30.929	-32.104
7	-13.14	-33.398	-27.817	-33.067	-21.777	-18.247	-18.33	-13.203	-31.113	-34.695
8	-13.268	-35.313	-36.753	-27.176	-21.674	-22.277	-18.606	-13.109	-31.12	-29.7
9	-11.45	-31.226	-30.898	-33.768	-21.804	-21.896	-15.758	-13.734	-32.851	-35.638
10	-12.778	-35.686	-33.352	-29.014	-24.295	-18.298	-17.861	-13.064	-37.677	-28.449
11	-12.319	-34.687	-29.75	-29.802	-20.792	-22.382	-15.894	-13.023	-30.106	-35.353
12	-12.447	-31.681	-29.448	-28.889	-20.203	-20.077	-15.843	-12.48	-38.258	-31.424
13	-11.619	-35.88	-33.628	-29.586	-23.399	-19.687	-15.992	-13.78	-31.689	-31.598
14	-12.446	-28.562	-32.975	-32.263	-24.588	-22.043	-15.37	-12.264	-34.479	-35.35
15	-12.639	-33.271	-29.58	-32.342	-22.7	-19.346	-16.166	-11.418	-30.391	-30.853
16	-13.298	-33.237	-35.925	-29.781	-23.295	-21.554	-18.943	-13.95	-39.184	-28.783
17	-11.941	-29.98	-33.384	-26.922	-21.392	-20.822	-18.903	-13.884	-30.449	-28.636
18	-12.686	-30.368	-34.178	-32.12	-21.98	-20.804	-18.225	-13.848	-32.332	-36.806
19	-12.523	-29.919	-28.318	-30.064	-22.084	-19.763	-18.572	-11.364	-32.846	-30.177
20	-12.55	-32.634	-27.82	-31.843	-24.923	-19.203	-17.378	-12.269	-34.49	-31.751
21	-11.502	-29.384	-36.075	-34.038	-22.786	-19.354	-16.026	-13.567	-28.213	-32.075
22	-12.985	-33.968	-30.17	-28.731	-24.391	-20.791	-17.885	-12.19	-33.319	-28.324
23	-13.586	-35.134	-34.659	-26.943	-21.066	-19.751	-16.685	-12.69	-30.595	-32.754
24	-13.946	-31.956	-27.404	-32.298	-22.965	-21.093	-17.208	-12.947	-39.588	-33.359
25	-11.611	-28.861	-26.586	-31.3	-22.459	-19.759	-16.682	-13.796	-32.194	-32.248
26	-11.252	-34.329	-28.644	-26.273	-21.966	-18.196	-17.337	-13.284	-30.065	-33.043
27	-12.23	-30.688	-30.014	-27.902	-23.364	-22.484	-15.322	-13.68	-28.472	-33.175
28	-12.954	-28.98	-31.81	-33.538	-23.974	-22.278	-17.436	-12.595	-33.963	-35.666
29	-11.383	-28.957	-26.259	-27.013	-24.253	-19.215	-17.836	-11.659	-35.139	-34.642
30	-13.413	-33.874	-36.315	-30.19	-22.006	-20.827	-15.95	-11.549	-31.981	-34.805

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-31.79	-31.54	-22.49	-20.70	-17.33	-12.61	-32.86	-31.04	-30.94	-22.68
STD DEV =	2.53	2.83	1.40	1.41	1.07	0.80	2.68	3.24	3.15	1.60
Cpu	1.82	1.83	1.92	2.30	2.60	2.23	1.85	1.34	1.58	1.72
Cpl										
Cpk	1.82	1.83	1.92	2.30	2.60	2.23	1.85	1.34	1.58	1.72
DATA	-	-	-	-	-	-	-	-	-	-
1	-34.842	-33.915	-24.944	-21.36	-18.066	-11.363	-36.849	-27.624	-26.252	-20.744
2	-34.754	-35.007	-24.326	-21.804	-18.963	-12.487	-36.024	-29.393	-31.51	-24.317
3	-31.063	-30.421	-22.931	-19.047	-17.227	-12.886	-30.752	-26.685	-30.921	-22.614
4	-30.368	-35.631	-23.119	-22.041	-16.601	-12.227	-33.582	-35.378	-30.471	-24.657
5	-31.076	-32.818	-22.2	-21.056	-18.47	-12.436	-28.592	-30.693	-35.067	-22.909
6	-31.106	-30.789	-24.332	-19.561	-16.312	-13.432	-34.253	-30.403	-34.041	-24.533
7	-33.658	-34.332	-20.861	-18.758	-18.818	-12.824	-31.191	-26.748	-35.334	-24.137
8	-31.711	-35.511	-21.905	-22.752	-18.02	-13.042	-34.277	-35.183	-31.774	-24.143
9	-28.608	-28.49	-20.408	-19.224	-18.127	-13.605	-36.836	-30.803	-34.066	-20.757
10	-36.825	-27.791	-23.072	-18.636	-16.808	-13.147	-32.722	-27.656	-29.735	-24.101
11	-30.004	-30.114	-22.746	-21.041	-17.724	-11.861	-33.727	-30.847	-29.209	-20.898
12	-33.563	-34.706	-22.242	-20.615	-15.524	-11.967	-34.487	-27.975	-26.771	-24.61
13	-30.839	-31.26	-23.473	-19.583	-16.707	-12.816	-35.428	-35.119	-30.013	-24.685
14	-32.374	-29.485	-20.877	-21.692	-17.272	-13.63	-33.692	-35.369	-32.933	-20.535
15	-31.791	-32.187	-20.244	-19.466	-16.375	-11.783	-30.252	-33.695	-26.902	-24.262
16	-29.464	-31.061	-22.619	-22.337	-15.173	-11.17	-36.19	-34.363	-35.868	-21.079
17	-30.904	-32.986	-23.527	-21.71	-17.659	-12.034	-29.679	-30.15	-26.586	-21.088
18	-29.277	-26.308	-23.551	-18.851	-15.288	-13.103	-31.426	-34.601	-32.229	-22.985
19	-26.478	-32.282	-24.648	-22.236	-17.08	-11.378	-31.072	-28.46	-30.967	-24.23
20	-29.488	-27.619	-22.065	-21.934	-15.534	-13.373	-33.192	-34.797	-27.058	-23.357
21	-35.951	-34.71	-24.785	-22.969	-16.859	-12.197	-35.758	-33.519	-32.228	-20.988
22	-33.774	-27.071	-21.532	-22.398	-17.469	-12.194	-29.641	-36.704	-26.57	-24.396
23	-28.726	-26.348	-22.872	-19.818	-18.069	-13.761	-36.64	-28.532	-27.637	-24.169
24	-35.982	-30.731	-20.66	-21.533	-18.848	-13.581	-29.24	-26.645	-35.233	-21.997
25	-29.688	-32.371	-20.605	-19.531	-17.925	-13.515	-34.139	-27.844	-27.088	-20.695
26	-34.575	-32.316	-23.493	-20.723	-16.385	-11.367	-28.868	-27.592	-35.161	-20.136
27	-32.205	-35.767	-23.335	-19.016	-18.47	-11.639	-30.769	-28.688	-33.787	-21.807
28	-28.718	-33.926	-20.232	-18.293	-18.611	-13.475	-36.688	-35.881	-31.72	-20.261
29	-31.359	-32.043	-21.915	-20.718	-17.697	-13.66	-30.567	-30.162	-34.009	-23.48
30	-34.628	-28.27	-21.218	-22.419	-17.894	-12.221	-29.322	-29.783	-26.992	-21.804

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	DCMR1
Condition:	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-11	-9	-18	-18	-18	-16	-14.4	-11	-9	-50
LowLimit										
Average =	-20.41	-17.06	-32.73	-30.89	-32.09	-22.47	-20.19	-17.17	-12.59	-56.98
STD DEV =	1.28	1.14	2.47	3.03	2.59	1.48	1.37	1.12	0.86	1.70
Cpu	2.45	2.36	1.99	1.42	1.81	1.46	1.41	1.84	1.39	1.37
Cpl										
Cpk	2.45	2.36	1.99	1.42	1.81	1.46	1.41	1.84	1.39	1.37
DATA	-	-	-	-	-	-	-	-	-	-
1	-22.207	-16.571	-35.093	-35.357	-32.722	-20.26	-22.804	-17.636	-11.148	-53.34
2	-19.76	-16.715	-28.99	-33.469	-33.361	-24.769	-22.909	-15.917	-12.728	-57.785
3	-21.261	-17.563	-30.903	-29.015	-35.01	-22.849	-19.704	-18.417	-13.864	-60.343
4	-18.553	-15.71	-32.159	-27.76	-27.901	-24.425	-18.557	-17.493	-13.758	-57.127
5	-21.024	-16.874	-31.455	-29.119	-26.539	-20.32	-20.459	-16.246	-13.576	-56.436
6	-20.632	-16.163	-35.329	-32.225	-33.842	-21.178	-22.632	-19.012	-12.377	-55.705
7	-19.852	-15.151	-33.491	-26.585	-29.293	-21.347	-21.599	-15.735	-12.697	-56.844
8	-18.781	-15.507	-36.089	-30.24	-35.321	-24.899	-19.114	-17.592	-13.527	-57.612
9	-19.163	-16.865	-34.37	-28.186	-34.446	-21.769	-21.248	-16.323	-11.797	-56.991
10	-18.461	-17.211	-35.207	-32.569	-35.549	-22.443	-18.476	-16.839	-13.279	-57.58
11	-19.789	-18.95	-29.318	-34.987	-30.925	-23.161	-19.935	-16.503	-11.987	-56.229
12	-21.671	-16.84	-32.426	-31.987	-35.846	-24.29	-20.612	-16.366	-12.087	-57.294
13	-19.966	-17.321	-28.931	-32.174	-31.675	-25.004	-19.53	-17.932	-11.673	-55.847
14	-22.762	-17.991	-32.681	-28.53	-32.813	-21.112	-18.572	-18.061	-13.478	-59.772
15	-19.142	-18.604	-30.886	-30.605	-29.288	-25.01	-19.165	-17.408	-12.197	-53.057
16	-19.368	-18.893	-32.921	-36.502	-32.689	-21.147	-18.864	-18.508	-11.387	-59.429
17	-22.516	-15.648	-35.249	-26.746	-28.097	-22.705	-18.173	-15.149	-11.876	-57.323
18	-20.732	-15.607	-31.216	-30.859	-31.471	-22.741	-20.191	-18.976	-12.06	-56.5
19	-21.596	-16.597	-36.598	-35.412	-33.177	-21.518	-19.281	-18.882	-11.806	-54.901
20	-20.361	-17.979	-31.142	-27.74	-26.812	-22.65	-20.662	-18.141	-12.06	-56.468
21	-20.524	-16.528	-28.459	-26.421	-36.62	-20.463	-19.086	-15.875	-11.524	-55.475
22	-18.737	-15.551	-36.359	-29.196	-32.98	-20.292	-18.259	-18.106	-12.341	-57.497
23	-19.187	-17.403	-32.532	-29.471	-30.437	-21.04	-21.199	-17.38	-11.977	-59.656
24	-21.526	-19.006	-32.95	-34.328	-33.919	-22.923	-21.439	-18.171	-12.581	-55.192
25	-21.245	-18.812	-36.537	-27.743	-31.922	-22.855	-19.753	-15.827	-14.005	-57.794
26	-21.395	-18.097	-34.249	-29.355	-32.628	-22.011	-22.387	-18.153	-13.774	-59.981
27	-20.409	-15.855	-34.022	-34.431	-31.278	-21.754	-19.5	-16.151	-13.867	-56.935
28	-22.85	-16.783	-30.744	-30.441	-34.013	-23.954	-19.763	-16.183	-13.344	-56.497
29	-18.653	-16.733	-33.326	-36.45	-31.52	-23.612	-21.121	-16.185	-13.278	-57.046
30	-20.287	-18.38	-28.23	-28.68	-30.651	-21.719	-20.701	-15.838	-11.593	-56.686

Parameter	DCMR1	DCMR1	DCMR1	DCMR2	DCMR2	DCMR2	DCMR2	DCMR3	DCMR3	DCMR3
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-61.43	-54.73	-43.16	-56.75	-53.34	-48.56	-39.47	-56.71	-53.86	-49.83
STD DEV =	4.38	2.24	0.87	0.48	0.72	0.34	0.34	0.74	0.80	0.60
Cpu	1.63	2.93	5.03	4.69	6.20	13.42	9.31	3.02	5.81	8.29
Cpl										
Cpk	1.63	2.93	5.03	4.69	6.20	13.42	9.31	3.02	5.81	8.29
DATA	-	-	-	-	-	-	-	-	-	-
1	-60.838	-59.165	-43.35	-56.267	-53.185	-48.277	-38.903	-57.06	-54.94	-49.869
2	-65.715	-53.819	-43.307	-57.068	-53.854	-49.121	-39.289	-56.934	-54.181	-50.159
3	-66.608	-53.734	-44.229	-56.653	-54.345	-49.058	-40.315	-56.265	-53.288	-50.398
4	-65.214	-55.967	-44.052	-57.441	-53.299	-48.8	-39.341	-57.021	-54.921	-49.732
5	-63.489	-53.605	-44.334	-56.721	-53.573	-47.875	-38.984	-56.457	-54.412	-50.607
6	-65.511	-52.863	-42.983	-56.767	-53.004	-48.826	-39.244	-57.748	-55.403	-49.464
7	-54.077	-53.142	-43.002	-56.837	-54.419	-48.399	-39.889	-57.217	-53.486	-50.354
8	-62.69	-52.913	-43.533	-57.138	-52.268	-49.05	-39.455	-56.18	-54.561	-49.832
9	-55.437	-55.779	-41.721	-56.843	-53.949	-48.378	-39.625	-55.644	-53.141	-48.832
10	-63.303	-59.561	-42.825	-56.396	-52.984	-48.093	-39.541	-56.71	-53.331	-49.175
11	-55.301	-56.756	-43.207	-56.706	-52.645	-48.792	-39.523	-57.733	-52.789	-49.777
12	-54.547	-55.418	-41.77	-56.614	-53.375	-48.399	-39.779	-56	-53.682	-51.697
13	-52.841	-52.34	-42.377	-56.647	-54.018	-48.401	-39.563	-57.203	-55.244	-50.351
14	-66.953	-53.52	-42.841	-56.76	-53.594	-48.533	-39.623	-55.834	-53.374	-49.265
15	-66.952	-54.467	-43.283	-56.966	-51.797	-48.214	-39.934	-56.13	-53.854	-50.18
16	-68.321	-53.271	-43.985	-56.692	-53.201	-48.448	-39.585	-57.259	-54.089	-49.295
17	-63.579	-54.779	-43.847	-58.005	-52.949	-48.295	-39.534	-57.413	-51.221	-49.706
18	-61.863	-59.649	-42.738	-56.633	-52.109	-48.586	-39.531	-57.853	-54.05	-49.061
19	-60.796	-53.623	-43.614	-56.839	-52.407	-48.224	-38.899	-56.149	-53.94	-48.8
20	-64.068	-54.516	-43.664	-56.043	-53.826	-49.334	-40.053	-57.988	-53.821	-50.093
21	-54.343	-54.663	-41.6	-55.762	-52.748	-48.942	-39.261	-57.671	-53.741	-49.991
22	-64.084	-53.594	-43.585	-56.805	-53.685	-48.202	-39.735	-57.037	-54.443	-49.741
23	-60.128	-53.865	-44.069	-56.388	-52.507	-48.372	-39.334	-56.369	-53.179	-49.61
24	-60.633	-53.804	-43.928	-57.247	-54.542	-48.837	-39.125	-56.701	-53.488	-49.796
25	-63.461	-53.189	-43.985	-57.643	-53.132	-48.476	-39.789	-56.406	-53.852	-49.833
26	-63.744	-53.338	-43.266	-56.598	-54.475	-48.22	-39.349	-55.28	-53.469	-49.641
27	-58.426	-59.105	-42.451	-56.399	-53.493	-48.446	-39.118	-56.136	-54.383	-50.245
28	-55.594	-57.146	-42.254	-57.357	-53.025	-48.566	-38.948	-55.24	-54.173	-49.007
29	-64.023	-54.219	-40.844	-55.794	-53.459	-48.759	-39.661	-56.433	-53.347	-49.937
30	-60.234	-50.164	-44.255	-56.587	-54.284	-48.813	-39.27	-57.292	-53.854	-50.595

Parameter	DCMR3	DCMR4	DCMR4	DCMR4	DCMR4	DCMR5	DCMR5	DCMR5	DCMR5	DCMR6
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-50	-40	-35	-30	-50	-40	-35	-30	-50
LowLimit										
Average =	-40.46	-56.62	-53.19	-49.16	-40.04	-56.87	-54.16	-50.17	-40.80	-56.71
STD DEV =	0.37	0.52	0.74	0.38	0.36	0.55	0.65	0.42	0.35	0.66
Cpu	9.38	4.25	5.97	12.30	9.31	4.16	7.23	12.17	10.20	3.40
Cpl										
Cpk	9.38	4.25	5.97	12.30	9.31	4.16	7.23	12.17	10.20	3.40
DATA	-	-	-	-	-	-	-	-	-	-
1	-40.159	-56.67	-53.583	-49.135	-39.564	-57.077	-53.956	-49.702	-40.856	-55.825
2	-40.269	-56.379	-54.166	-49.488	-39.873	-56.867	-54.74	-50.775	-40.975	-57.28
3	-40.574	-55.519	-53.564	-49.34	-40.427	-57.476	-53.213	-49.698	-40.648	-56.464
4	-40.451	-55.943	-53.642	-48.571	-39.621	-57.388	-54.42	-49.75	-40.774	-56.989
5	-41.173	-56.834	-54.363	-49.175	-40.367	-56.669	-55.742	-49.975	-40.86	-55.821
6	-40.857	-57.216	-53.134	-49.122	-40.014	-56.329	-54.189	-50.071	-40.465	-56.54
7	-40.441	-56.493	-53.18	-49.908	-40.556	-56.916	-54.52	-50.36	-41.491	-55.442
8	-40.258	-56.787	-50.999	-48.662	-40.286	-56.587	-53.54	-50.369	-40.935	-56.575
9	-40.545	-57.251	-53.946	-48.449	-39.473	-56.473	-54.875	-50.206	-40.932	-57.225
10	-39.956	-56.13	-53.305	-49.061	-39.751	-56.769	-54.183	-50.127	-40.796	-56.94
11	-40.405	-55.828	-51.959	-49.482	-39.877	-57.137	-53.977	-50.125	-39.945	-55.399
12	-40.455	-56.791	-52.464	-49.347	-40.085	-57.604	-56.065	-50.485	-40.838	-57.458
13	-40.297	-57.12	-53.5	-48.928	-39.918	-58.417	-53.06	-51.203	-41.016	-57.04
14	-40.604	-56.36	-53.312	-49.089	-39.917	-56.359	-54.159	-50.389	-40.81	-56.603
15	-40.8	-56.222	-54.112	-49.239	-40.091	-56.332	-54.043	-50.421	-40.82	-57.384
16	-40.228	-55.967	-53.104	-48.882	-40.516	-56.822	-53.886	-50.492	-40.52	-56.64
17	-40.345	-56.088	-53.09	-48.88	-39.884	-57.242	-53.941	-49.72	-40.531	-57.162
18	-40.604	-57.442	-52.771	-48.817	-39.655	-56.64	-53.674	-49.657	-40.227	-57.588
19	-39.422	-56.379	-52.543	-48.873	-39.24	-56.529	-53.702	-50.204	-40.936	-57.312
20	-40.865	-57.411	-51.989	-49.149	-40.196	-56.34	-54.611	-50.486	-41.267	-58.231
21	-40.475	-56.665	-53.213	-49.185	-39.875	-56.59	-54.108	-50.649	-40.953	-57.394
22	-40.016	-56.35	-52.98	-49.303	-39.716	-55.657	-54.358	-49.28	-40.717	-55.537
23	-40.985	-56.796	-54.506	-48.521	-40.666	-57.411	-53.179	-49.919	-40.782	-56.533
24	-40.467	-56.986	-52.989	-48.992	-39.779	-56.687	-53.925	-50.345	-40.396	-56.325
25	-41.338	-57.115	-53.245	-49.902	-40.366	-57.446	-54.436	-49.776	-41.48	-57.054
26	-40.348	-56.652	-53.408	-49.618	-40.54	-56.29	-54.254	-50.419	-40.665	-56.237
27	-40.25	-56.311	-52.644	-49.609	-40.635	-57.742	-53.48	-50.182	-41.132	-56.78
28	-40.056	-57.671	-52.984	-48.905	-40.103	-56.294	-54.702	-50.625	-40.32	-56.66
29	-40.522	-56.953	-52.998	-49.407	-40.154	-56.954	-54.244	-49.418	-40.44	-56.338
30	-40.74	-56.124	-54.065	-49.868	-39.949	-56.997	-53.567	-50.27	-41.44	-56.663

Parameter	DCMR6	DCMR6	DCMR6	DCMR7	DCMR7	DCMR7	DCMR7	DCMR8	DCMR8	DCMR8
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-53.70	-49.21	-40.37	-56.86	-53.66	-49.88	-40.82	-56.88	-52.87	-48.63
STD DEV =	1.11	0.56	0.42	0.70	0.62	0.53	0.36	0.67	0.73	0.38
Cpu	4.12	8.49	8.20	3.25	7.29	9.42	9.96	3.41	5.90	11.92
Cpl										
Cpk	4.12	8.49	8.20	3.25	7.29	9.42	9.96	3.41	5.90	11.92
DATA	-	-	-	-	-	-	-	-	-	-
1	-53.255	-49.422	-40.012	-56.219	-53.024	-50.46	-40.504	-57.511	-53.244	-48.967
2	-53.357	-49.477	-39.819	-56.964	-52.008	-49.891	-40.294	-55.994	-53.509	-48.701
3	-53.39	-48.151	-40.486	-57.378	-52.871	-50.051	-40.912	-55.88	-51.504	-48.429
4	-53.352	-48.96	-40.845	-58.2	-53.605	-50.215	-40.685	-56.473	-51.877	-48.334
5	-54.598	-49.754	-41.066	-55.56	-53.877	-49.96	-41.114	-57.769	-53.297	-48.94
6	-53.439	-49.99	-40.165	-56.531	-53.089	-49.978	-40.705	-57.531	-53.073	-48.482
7	-58.685	-50.725	-40.704	-56.9	-53.953	-49.977	-40.717	-56.936	-53.296	-49.108
8	-53.902	-48.922	-40.764	-56.057	-53.184	-50.487	-41.262	-56.164	-53.188	-49.376
9	-54.036	-49.346	-39.51	-56.981	-54.345	-50.388	-41.095	-55.847	-53.422	-48.262
10	-53.618	-50.185	-40.595	-58.093	-54.338	-49.776	-40.428	-57.226	-53.414	-48.556
11	-54.34	-49.284	-40.639	-56.317	-54.352	-50.465	-41.306	-57.863	-52.768	-48.7
12	-54.696	-48.848	-40.448	-56.529	-54.516	-50.369	-40.681	-55.758	-52.435	-47.427
13	-53.371	-49.254	-40.08	-56.058	-53.815	-50.849	-40.97	-57.015	-53.163	-48.77
14	-54.67	-48.993	-40.022	-57.068	-52.585	-50.041	-41.122	-57.115	-53.177	-49.13
15	-52.939	-48.344	-40.427	-56.943	-53.363	-49.053	-40.676	-56.62	-50.766	-48.609
16	-52.802	-48.806	-40.505	-56.749	-54.316	-49.838	-40.68	-57.138	-53.071	-48.337
17	-52.478	-48.703	-40.768	-55.965	-53.738	-49.867	-40.866	-57.206	-52.823	-48.523
18	-53.007	-48.509	-39.617	-55.868	-53.486	-49.414	-40.417	-56.893	-52.449	-48.513
19	-53.181	-48.864	-40.878	-57.126	-52.907	-49.505	-40.591	-56.569	-51.216	-48.152
20	-53.759	-49.166	-41.138	-57.485	-53.993	-50.253	-41.459	-56.012	-53.488	-48.326
21	-53.077	-49.408	-40.123	-56.532	-54.551	-49.879	-40.672	-56.302	-52.715	-48.552
22	-53.82	-49.374	-40.208	-56.976	-53.746	-50.749	-41.086	-56.704	-53.272	-48.694
23	-54.329	-49.283	-40.422	-55.598	-54.177	-49.288	-40.367	-57.577	-53.203	-48.87
24	-53.008	-50.287	-39.933	-57.674	-54.261	-49.051	-40.885	-56.802	-52.893	-48.702
25	-54.106	-49.182	-40.599	-57.84	-54.162	-50.373	-41.78	-56.061	-52.687	-48.94
26	-52.983	-49.166	-40.642	-56.846	-53.209	-49.327	-41.176	-56.997	-53.242	-48.607
27	-53.989	-48.797	-39.649	-57.618	-53.162	-48.938	-40.212	-57.854	-52.306	-48.424
28	-52.551	-49.478	-40.221	-56.669	-53.382	-49.582	-40.89	-56.939	-53.874	-48.867
29	-53.258	-48.674	-40.693	-57.884	-54.357	-49.11	-40.539	-57.396	-52.654	-49.342
30	-52.858	-48.964	-39.993	-57.087	-53.509	-49.148	-40.423	-58.348	-54.028	-48.26

Parameter	DCMR8	Hipot
Condition:	100MHZ	1500VAC/ 60s/1mA
Pins		
Unit	dB	
HighLimit	-30	
LowLimit		
Average =	-39.79	
STD DEV =	0.33	
Cpu	9.74	
Cpl		
Cpk	9.74	
DATA	-	
1	-39.755	Pass
2	-39.792	Pass
3	-39.336	Pass
4	-39.702	Pass
5	-40.029	Pass
6	-39.163	Pass
7	-39.669	Pass
8	-40.17	Pass
9	-39.804	Pass
10	-39.937	Pass
11	-39.876	Pass
12	-39.715	Pass
13	-40.303	Pass
14	-40.122	Pass
15	-40.351	Pass
16	-39.106	Pass
17	-39.464	Pass
18	-39.47	Pass
19	-39.433	Pass
20	-39.925	Pass
21	-40.184	Pass
22	-39.803	Pass
23	-39.774	Pass
24	-39.324	Pass
25	-40.024	Pass
26	-39.895	Pass
27	-40.391	Pass
28	-39.501	Pass
29	-40.035	Pass
30	-39.563	Pass

Appendix 5

HX5020NL Electrical Test Data After Vibration Mechanical Shock

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1-2	2-3	4-5	5-6	7-8	8-9	10-11	11-12	13-14	14-15
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	696.34	690.44	700.30	691.42	693.34	684.91	692.10	686.02	688.27	683.08
STD DEV =	5.21	7.31	8.56	6.97	8.85	8.67	10.79	9.24	9.35	9.60
Cpu	83.42	59.75	50.59	62.56	49.23	50.57	40.40	47.39	46.74	45.72
Cpl										
Cpk	83.42	59.75	50.59	62.56	49.23	50.57	40.40	47.39	46.74	45.72
DATA	-	-	-	-	-	-	-	-	-	-
1	709.782	703.067	697.313	688.164	688.305	680.044	712.088	698.536	683.149	677.457
2	696.303	684.961	707.821	703.253	692.786	688.633	693.749	703.001	686.306	678.814
3	690.759	684.099	689.564	693.795	694.694	685.579	691.578	680.209	681.912	679.739
4	690.37	685.54	685.796	681.737	689.719	680.663	685.182	677.952	671.157	678.728
5	684.451	679.661	694.013	694.166	684.799	671.593	684.178	680.319	675.029	673.343
6	699.082	691.124	704.193	699.197	697.479	694.888	695.34	691.817	689.305	681.42
7	703.166	692.172	703.293	686.937	690.452	678.298	694.333	676.343	689.048	666.223
8	692.396	680.914	681.655	675.48	710.413	687.604	688.214	680.492	702.133	703.479
9	703.722	693.005	703.628	684.515	695.094	690.531	691.191	684.005	693.42	686.976
10	696.49	688.042	708.603	698.027	707.392	695.253	694.713	686.496	694.904	702.291
11	694.904	686.979	691.973	681.684	691.687	687.338	697.625	691.001	679.719	677.415
12	691.61	687.986	707.29	698.193	702.32	704.927	694.436	686.788	694.423	683.583
13	697.349	685.772	696.027	692.302	682.651	675.703	689.647	685.021	688.289	688.421
14	696.636	679.593	713.49	695.593	701.877	691.676	682.916	678.547	686.609	680.263
15	699.062	697.096	701.511	696.808	717.412	706.792	691.137	686.516	694.819	690.502
16	703.131	702.134	707.282	685.852	694.671	688.065	689.531	680.296	683.866	681.527
17	695.155	687.87	718.41	700.953	697.451	688.771	677.024	684.412	687.749	675.946
18	698.042	692.502	696.406	696.434	688.047	680.817	735.665	707.49	688.854	684.848
19	695.662	687.577	695.634	690.295	684.902	681.197	684.829	680.082	695.705	689.352
20	697.12	690.932	699.069	695.047	681.999	682.044	684.929	679.529	683.488	676.011
21	691.266	691.308	710.325	700.586	692.692	684.745	687.258	679.528	685.426	687.422
22	694.263	686.313	710.1	695.144	682.751	670.656	690.481	705.66	688.43	682.376
23	697.846	691.69	712.345	683.29	685.359	678.534	676.36	670.501	677.414	675.597
24	697.957	696.539	702.168	691.577	692.753	684.089	685.934	677.138	686.384	676.325
25	691.105	685.731	688.796	686.691	686.062	677.095	703.305	701.047	690.261	680.195
26	695.612	695.755	690.96	682.133	703.922	689.631	682.883	687.617	678.432	670.597
27	695.576	687.227	698.846	699.815	691.739	678.903	697.7	682.054	718.506	708.84
28	706.738	715.839	698.192	692.89	683.086	673.761	696.966	680.634	705.902	697.18
29	689.766	692.331	696.988	682.696	703.065	693.81	691.103	680.758	677.768	673.781
30	694.96	689.471	697.371	689.418	684.554	675.705	692.684	696.959	689.567	683.766

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17	17-18	19-20	20-21	22-23	23-24	25-26	26-27	28-29	29-30
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	693.08	684.77	693.47	683.51	699.28	694.63	951.89	949.98	943.30	945.75
STD DEV =	9.17	10.95	9.81	10.02	9.90	7.76	12.75	11.08	8.36	8.94
Cpu	47.49	40.03	44.41	43.81	43.82	56.07	27.39	31.60	42.11	39.30
Cpl										
Cpk	47.49	40.03	44.41	43.81	43.82	56.07	27.39	31.60	42.11	39.30
DATA	-	-	-	-	-	-	-	-	-	-
1	684.141	679.116	709.149	693.476	691.961	693.843	935.032	950.042	951.642	957.215
2	683.048	674.305	682.933	674.539	678.594	683.746	942.43	934.685	922.655	932.032
3	676.671	674.809	684.81	671.335	692.293	690.198	944.085	942.45	938.331	936.42
4	701.69	690.992	696.784	684.218	703.96	699.33	957.328	952.414	952.528	958.505
5	686.457	675.665	705.149	703.753	711.558	693.613	948.103	946.231	959.142	957.857
6	707.718	690.615	707.845	693.564	680.624	688.384	957.052	948.037	947.677	948.916
7	689.081	685.589	687.856	673.616	690.896	681.018	936.369	939.74	933.872	933.049
8	681.718	677.545	684.885	677.608	702.138	692.885	949.82	947.143	943.42	947.722
9	690.817	682.171	685.591	675.022	707.663	696.422	958.037	955.165	954.117	951.503
10	687.261	675.977	691.66	681.859	705.858	694.716	942.006	947.254	942.715	941.004
11	691.759	681.93	693.026	680.733	698.843	708.742	972.158	967.923	943.473	948.317
12	689.889	683.574	690.661	676.234	695.42	692.677	950.369	946.675	935.507	939.858
13	699.185	693.731	680.725	663.355	715.06	702.091	946.746	946.235	950.224	956.018
14	686.366	677.59	690.52	678.197	703.114	694.601	922.608	959.426	938.063	942.112
15	690.112	678.657	687.745	694.235	699.22	696.338	960.565	951.243	932.627	934.582
16	704.022	694.975	708.441	702.11	706.657	695.888	967.046	958.515	957.245	959.449
17	686.52	679.419	690.238	676.227	711.603	711.378	967.946	967.205	937.455	942.63
18	704.242	696.91	722.389	692.235	692.19	685.589	934.198	929.736	950.832	950.653
19	696.437	691.024	690.682	680.444	687.237	697.31	947.033	940.363	948.518	953.396
20	704.995	690.326	698.047	692.748	695.284	697.772	942.328	933.075	948.085	948.821
21	686.833	683.41	684.469	673.921	705.666	700.495	955.672	952.247	933.787	935.666
22	695.833	684.386	692.209	680.642	719.756	702.646	976.526	973.351	946.456	948.392
23	708.38	677.185	712.155	708.028	698.844	691.282	957.877	949.448	940.329	945.934
24	691.279	684.094	687.891	686.226	692.404	685.767	958.96	961.771	946.459	950.738
25	693.794	685.954	688.45	677.224	692.628	691.053	957.606	952.692	936.127	926.879
26	681.586	667.132	685.849	679.304	696.718	688.806	956.241	955.689	942.773	950.93
27	713.98	729.073	687.779	682.651	692.504	690.718	940.158	939.918	927.778	931.599
28	699.2	695.443	694.419	684.291	694.321	684.1	949.451	943.041	945.492	954.713
29	682.609	675.55	687.405	686.62	697.129	692.77	943.948	934.899	945.032	937.769
30	696.906	685.924	694.462	680.997	718.375	714.807	979.1	972.71	946.717	949.886

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31-32	32-33	34-35	35-36	37-38	38-39	40-41	41-42	43-44	44-45
Unit	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms	m ohms
HighLimit	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
LowLimit										
Average =	946.86	944.37	941.25	946.49	951.40	947.83	944.13	947.08	949.24	938.17
STD DEV =	10.58	11.01	9.65	9.03	9.00	9.08	10.01	9.80	10.09	11.92
Cpu	33.17	31.95	36.56	38.88	38.82	38.64	35.15	35.82	34.71	29.69
Cpl										
Cpk	33.17	31.95	36.56	38.88	38.82	38.64	35.15	35.82	34.71	29.69
DATA	-	-	-	-	-	-	-	-	-	-
1	944.555	945.943	932.181	933.68	954.774	957.739	933.385	932.651	945.722	937.228
2	935.443	934.48	953.972	957.061	946.84	947.578	940.682	947.163	941.068	923.174
3	929.184	936.414	925.838	938.087	944.755	947.514	945.028	946.668	936.523	925.624
4	950.607	948.215	946.967	952.61	936.42	931.202	952.344	948.314	923.267	900.249
5	947.156	942.123	935.128	939.85	954.491	952.747	928.783	932.051	941.338	935.924
6	930.762	930.818	926.907	936.628	956.43	951.409	944.502	947.588	941.617	934.04
7	942.8	934.124	935.638	936.889	947.618	940.324	944.858	942.989	953.361	943.771
8	937.099	931.055	961.343	964.378	943.099	943.17	962.606	966.98	954.564	943.664
9	940.843	937.238	941.379	947.49	944.682	940.487	937.788	941.702	949.024	944.389
10	937.652	936.4	962.705	961.053	943.178	943.079	953.296	950.741	958.166	950.868
11	956.854	956.327	943.757	945.038	953.956	951.832	940.863	939.7	952.828	937.851
12	950.448	949.021	939.16	942.941	952.905	953.019	949.61	949.581	951.669	942.796
13	933.723	935.938	947.282	949.056	969.125	966.972	936.567	937.159	946.779	942.443
14	945.199	938.952	936.1	943.888	941.904	938.43	953.146	956.164	948.488	939.883
15	947.441	944.373	935.719	946.854	954.724	954.477	945.198	949.263	950.274	939.913
16	966.419	969.441	932.295	934.697	953.807	947.346	966.575	963.18	931.497	918.101
17	956.036	948.8	941.511	947.21	939.541	934.386	950.089	960.195	955.852	950.135
18	941.001	958.49	940.218	947.223	967.773	950.873	942.545	944.049	941.58	921.618
19	954.414	949.582	943.958	961.181	949.537	941.899	935.871	949.604	967.2	953.562
20	954.431	951.198	925.235	933.238	961.352	953.712	928.767	941.589	947.895	929.873
21	947.406	942.708	933.182	937.16	948.136	939.999	945.472	954.689	951.343	941.272
22	948.153	942.488	940.902	945.848	967.027	963.026	938.986	942.4	963.164	952.288
23	944.259	940.865	941.501	947.29	938.103	934.37	940.688	944.544	946.301	935.687
24	946.792	944.651	949.885	955.317	960.811	958.817	927.402	929.884	965.329	952.629
25	959.367	955.352	952.559	951.974	950.604	951.659	940.132	940.733	959.95	947.505
26	950.744	948.074	931.831	941.905	950.503	944.752	958.284	958.634	934.423	927.338
27	932.726	934.275	935.362	938.089	952.259	949.488	930.72	931.245	954.431	944.383
28	980.021	976.171	958.313	967.164	954.136	946.024	942.855	947.686	951.652	935.627
29	943.764	923.829	942.364	942.299	937.123	933.823	963.268	968.503	945.829	937.41
30	950.499	943.902	944.354	948.575	966.42	964.666	943.669	946.785	965.988	955.88

Parameter	DCR	DCR	BL	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	47-48	47-48:1-2	2-5	5-8	8-11	11-13	13-17	17-20	20-23
Unit	m ohms	m ohms	m ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms
HighLimit	2000	2000	2000							
LowLimit				10	10	10	10	10	10	10
Average =	944.27	947.44	251.09	74.64	73.45	73.39	73.64	72.85	73.14	73.54
STD DEV =	9.71	10.52	9.03	1.76	1.79	1.79	2.11	1.66	1.62	1.63
Cpu	36.25	33.36	64.53							
Cpl				12.27	11.83	11.81	10.08	12.59	12.96	12.96
Cpk	36.25	33.36	64.53	12.27	11.83	11.81	10.08	12.59	12.96	12.96
DATA	-	-	-	-	-	-	-	-	-	-
1	955.365	961.184	251.403	74.426	74.002	72.784	71.145	70.025	71.309	71.488
2	934.359	940.771	244.468	72.765	71.358	71.869	73.763	75.438	78.877	79.177
3	933.996	937.1	246.34	73.961	71.361	71.77	72.487	72.191	72.913	73.769
4	936.665	942.59	252.22	77.741	75.369	73.766	71.545	70.623	72.347	74.13
5	933.779	933.524	249.073	72.927	72.055	73.232	72.43	71.664	71.712	71.016
6	935.943	939.11	240.029	71.999	72.791	75.523	78.432	75.005	75.797	75.633
7	950.814	950.513	247.348	73.298	73.497	73.772	74.888	73.507	72.957	72.661
8	950.559	948.996	256.6	76.044	72.176	70.774	72.133	71.097	72.004	73.064
9	952.338	956.983	253.261	72.852	70.787	69.871	71.075	71.816	72.357	72.492
10	949.609	950.897	254.407	73.346	72.075	71.089	72.507	73.476	73.51	74.481
11	942.191	939.775	244.871	72.28	71.47	72.363	74.356	72.226	72.804	72.807
12	929.9	928.694	237.084	74.676	73.234	73.41	71.698	70.757	72.471	72.692
13	950.049	949.58	252.231	76.563	75.713	75.463	73.793	74.194	72.198	73.83
14	935.269	938.644	242.008	75.39	72.774	73.1	72.63	71.972	71.714	72.934
15	941.692	949.21	250.149	78.719	78.494	78.1	76.703	72.934	71.843	72.029
16	958.387	946.664	243.533	73.578	72.85	71.711	70.493	71.317	71.368	73.102
17	933.625	935.419	240.265	72.895	72.146	72.692	75.829	75.166	74.487	74.146
18	946.443	954.758	256.716	74.129	75.495	73.621	76.262	76.757	75.245	75.224
19	960.58	975.727	280.066	74.162	74.501	73.098	73.693	72.966	72.334	71.671
20	952.455	959.514	262.394	78.477	77.914	77.765	78.913	75.782	75.57	74.395
21	945.397	951.604	260.337	74.653	72.306	72.36	72.441	72.132	71.617	71.97
22	935.186	943.425	249.162	74.208	72.526	75.055	75.435	74.039	73.939	73.93
23	943.961	946.81	248.964	74.999	72.699	72.051	70.553	70.166	71.563	73.191
24	962.332	965.531	267.574	73.897	72.505	73.661	75.199	73.287	74.38	73.47
25	954.487	952.956	261.85	76.41	74.078	74.02	74.714	73.579	74.298	76.691
26	944.918	946.999	251.387	76.46	74.302	74.111	73.155	71.956	71.977	73.352
27	936.615	934.803	239.227	75.217	74.811	75.068	73.937	73.875	72.876	72.493
28	956.886	960.256	253.518	72.314	72.953	74.157	73.759	72.237	73	72.169
29	925.935	932.625	242.859	74.945	72.915	72.352	73.082	73.318	73.287	75.081
30	938.267	948.456	253.497	75.766	74.34	73.15	72.103	72.014	73.475	72.965

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OCL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-26	26-29	29-32	32-35	35-38	38-41	41-44	44-47	47-2	1-3
Unit	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	M ohms	uH
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	350
Average =	76.14	72.87	70.03	73.09	73.76	73.51	73.52	73.34	73.66	974.33
STD DEV =	2.16	1.93	1.28	2.02	2.16	2.62	2.45	2.08	1.97	70.02
Cpu										
Cpl	10.23	10.83	15.68	10.42	9.82	8.09	8.66	10.17	10.78	2.97
Cpk	10.23	10.83	15.68	10.42	9.82	8.09	8.66	10.17	10.78	2.97
DATA	-	-	-	-	-	-	-	-	-	-
1	76.823	73.32	71.492	73.328	73.086	72.893	71.677	72.525	72.266	742.564
2	82.762	75.98	69.165	68.041	67.418	66.128	67.007	69.239	70.657	1019.152
3	76.882	72.81	70.686	71.819	71.535	71.594	72.343	71.84	73.156	986.796
4	77.059	73.66	70.449	73.658	73.698	72.852	74.362	73.074	74.146	936.445
5	75.512	71.183	69.471	73.626	74.736	74.327	73.507	73.264	70.565	969.291
6	78.735	72.652	69.528	70.733	70.715	67.917	68.247	68.943	73.603	977.3
7	74.2	72.838	70.334	73.465	74.898	72.355	73.925	71.907	71.006	973.72
8	76.938	74.768	71.185	73.458	74.39	74.642	73.691	74.859	75.936	981.032
9	75.197	72.195	69.147	71.751	71.95	73.263	75.219	75.541	75.057	1005.673
10	76.849	72.794	70.629	72.208	72.043	72.091	72.951	72.541	75.282	962.428
11	75.337	73.452	69.79	72.445	74.401	74.656	76.688	75.165	76.087	996.366
12	75.051	72.434	70.358	74.749	74.384	72.333	72.021	71.548	71.771	978.02
13	74.241	68.944	67.995	70.245	70.354	70.226	69.604	69.877	70.865	1033.036
14	75.273	72.374	70.986	74.441	74.302	73.197	72.233	72.444	72.765	974.811
15	70.067	67.405	67.485	72.041	77.063	79.523	78.73	74.681	72.495	1017.878
16	77.822	72.025	70.462	73.651	73.613	73.704	73.26	73.789	74.489	940.067
17	77.866	73.836	70.282	74.569	75.01	75.833	77.064	78.846	78.282	1039.707
18	76.177	72.538	68.623	71.553	72.126	72.81	73.541	73.96	73.434	1045.556
19	75.628	72.293	70.14	74.346	75.065	75.146	73.507	72.736	70.433	933.783
20	72.814	68.537	66.713	69.221	70.608	70.627	71.66	72.929	73.897	986.125
21	75.466	72.667	69.905	73.677	73.906	73.266	73.36	71.618	73.613	961.217
22	76.615	71.964	68.53	69.961	72.024	73.025	72.695	72.139	72.069	1013.012
23	73.731	74.278	72.923	74.849	75.027	74.124	74.132	74.362	74.835	980.476
24	76.751	73.272	69.52	72.525	75.325	75.563	73.96	74.198	73.45	1043.601
25	78.194	76.178	71.861	75.099	76.238	74.096	73.305	73.329	73.725	949.551
26	76.619	75.035	71.148	74.081	75.72	75.873	75.052	75.255	76.427	1052.419
27	75.693	75.293	69.738	76.074	77.487	76.623	75.506	75.362	75.219	760.53
28	76.505	73.426	70.569	75.119	74.755	78.07	77.68	75.445	74.517	1045.435
29	78.752	74.569	70.882	75.214	75.434	74.824	75.223	76.283	76.968	906.644
30	74.665	73.306	70.881	76.883	75.34	73.771	73.376	72.555	72.805	1017.243

Parameter	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	4-6	7-9	10-12	13-15	16-18	19-21	22-24	1-3	46-48	4-6
Unit	uH	uH	uH	uH	uH	uH	uH	*1	*1	*1
HighLimit								1.02	1.02	1.02
LowLimit	350	350	350	350	350	350	350	0.98	0.98	0.98
Average =	1,005.76	914.73	975.40	927.26	992.00	936.94	986.66	1.00	1.00	1.00
STD DEV =	38.05	43.41	36.78	41.66	43.05	57.78	43.10	0.00	0.00	0.00
Cpu								37.08	37.20	37.08
Cpl	5.74	4.34	5.67	4.62	4.97	3.39	4.92	37.20	37.08	37.20
Cpk	5.74	4.34	5.67	4.62	4.97	3.39	4.92	37.08	37.08	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	986.337	818.656	943.059	955.374	1037.465	944.693	925.049	1	0.999	1
2	1043.229	902.902	971.192	892.172	1014.914	948.042	940.525	1	1	1
3	955.885	945.262	989.99	918.282	956.827	922.318	1023.834	1	1	1
4	945.72	960.805	971.93	876.806	1049.554	974.285	935.692	1	1	1
5	1001.74	932.774	996.22	917.075	998.638	937.981	1018.43	1	1	1
6	963.896	900.042	968.499	881.14	977.081	977.571	935.215	1	1	1
7	909.501	962.13	944.48	861.655	1026.299	791.635	961.842	1	1	1
8	974.08	965.271	979.717	927.894	972.763	961.874	1032.127	1	1	1
9	1012.046	861.953	980.613	970.854	971.383	980.819	999.5	1	1	1
10	1042.515	964.284	1006.96	932.453	1009.598	946.547	878.273	1	1	1
11	950.654	965.905	1022.043	928.958	1062.052	1032.706	952.873	1	1	1
12	1051.156	903.799	1047.267	943.82	926.115	969.947	1064.754	1	1	1
13	1048.728	958.126	986.42	980.052	991.894	974.155	1006.261	1	1	1
14	1011.225	971.872	928.639	981.103	989.36	936.149	968.646	1	1	1
15	1022.343	949.225	1037.55	926.974	977.36	940.112	971.61	1	1	1.001
16	967.021	823.572	987.18	1004.503	1028.091	895.394	1052.224	1	1	1
17	1033.889	886.985	1047.394	795.782	932.407	970.822	998.671	1	1	1
18	1045.521	938.579	990.875	904.231	1030.723	946.108	1007.092	1	1	1
19	1012.278	892.081	913.133	1000.745	1029.841	992.998	1019.008	1	1	1
20	1059.014	919.063	977.401	914.983	1073.141	842.535	938.671	1.001	1	1
21	1051.281	917.222	934.348	961.843	994.82	938.139	986.394	1	1	1
22	1010.927	925.641	988.199	916.804	984.687	849.511	999.874	1	1	1
23	1045.194	935.026	921.824	920.52	937.641	978.316	1029.211	1	1	1
24	995.954	916.661	983.778	935.349	964.755	966.641	993.166	1	1	1
25	1021.187	867.21	908.496	917.998	1011.883	963.469	1018.599	1	1	1
26	957.176	928.219	912.742	912.202	984.409	1002.786	1021.623	1	1	1
27	983.341	872.119	985.59	957.524	994.419	790.644	1039.459	1	1	1
28	1035.625	918.711	961.299	918.948	987.986	970.148	933.233	1	1	1
29	1024.862	817.687	981.755	952.475	858.578	914.407	952.284	1	1	1
30	1010.441	920.14	993.418	909.342	985.217	847.428	995.658	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	45-43	7-9	40-42	10-12	39-37	13-15	34-36	16-18	33-31	19-21
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	37.08	37.08	13.58	37.08	37.08	37.08	19.48	37.08	37.08	37.08
Cpl	37.20	37.20	14.09	37.20	37.20	37.20	19.74	37.20	37.20	37.20
Cpk	37.08	37.08	13.58	37.08	37.08	37.08	19.48	37.08	37.08	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	1	1	1	1	1	1
2	1	1	1.001	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1
4	1	1	1.001	1	1	1	1	1	1	1
5	1	1	1.001	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1
8	1	1	1.001	1	1	1	1	1	1	1
9	1	1.001	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1.001	1	1
11	1	1	1.001	1	1	1	1	1	1.001	1
12	1	1	1	1	1	1	1	1	1	1
13	1	1	1.001	1	1	1	1	1	1	1
14	1	1	1.001	1	1	1	1.001	1	1	1
15	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1.001	1	1.001	1	1	1.001
17	1.001	1	1	1	1	1	1	1	1	1
18	1	1	1.001	1	1	1	1	1	1	1
19	1	1	1	1.001	1	1	1.001	1	1	1
20	1	1	1.001	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1
22	1	1	1.001	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1.001	1	1	1
24	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1.001	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1
30	1	1	1.001	1	1	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	28-30	22-24	27-25	1-2	2-3	4-5	5-6	7-8	8-9	10-11
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	17.74	37.08	37.08	37.20	27.97	37.20	37.20	37.20	37.20	37.20
Cpl	18.04	37.20	37.20	37.08	25.48	37.08	37.08	37.08	37.08	37.08
Cpk	17.74	37.08	37.08	37.08	25.48	37.08	37.08	37.08	37.08	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	0.999	1	1	1	1	1
3	1	1	1	1	0.999	1	1	1	1	1
4	1	1	1	1	0.999	1	1	1	1	1
5	1	1	1	1	0.999	1	1	1	1	1
6	1.001	1	1	1	0.999	1	1	1	1	1
7	1	1	1	1	0.999	1	1	1	1	1
8	1	1	1	1	0.999	1	1	1	1	1
9	1	1	1	1	0.999	1	1	1	1	1
10	1	1	1	1	0.999	1	1	1	1	1
11	1.001	1	1	1	0.999	1	1	1	1	1
12	1	1	1.001	1	0.999	1	0.999	1	1	1
13	1	1	1	1	0.999	1	1	1	1	1
14	1.001	1	1	1	0.999	1	1	1	0.999	1
15	1	1	1	1	0.999	1	1	1	1	1
16	1	1	1	1	0.999	0.999	1	1	1	1
17	1	1.001	1	1	0.999	1	1	1	1	1
18	1	1	1	0.999	0.999	1	1	1	1	1
19	1	1	1	1	0.999	1	1	1	1	1
20	1	1	1	1	0.999	1	1	0.999	1	1
21	1	1	1	1	0.999	1	1	1	1	1
22	1	1	1	1	0.999	1	1	1	1	0.999
23	1	1	1	1	0.999	1	1	1	1	1
24	1.001	1	1	1	0.999	1	1	1	1	1
25	1.001	1	1	1	0.999	1	1	1	1	1
26	1	1	1	1	0.999	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	0.999	1	1	1	1	1
29	1	1	1	1	0.999	1	1	1	1	1
30	1	1	1	1	0.999	1	1	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-12	13-14	14-15	16-17	17-18	19-20	20-21	22-23	23-24	25-26
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	37.20	37.20	23.22	26.82	37.20	37.20	37.20	37.20	13.58	37.20
Cpl	37.08	37.08	21.22	26.64	37.08	37.08	37.08	37.08	14.09	37.08
Cpk	37.08	37.08	21.22	26.64	37.08	37.08	37.08	37.08	13.58	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	0.999	1	1	1	1	1	1	1
2	1	1	0.999	1	1	1	1	1	1	1
3	1	1	0.999	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1.001	1
5	1	1	1	1	1	1	1	1	1	1
6	1	1	0.999	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1
8	1	1	0.999	1	1	1	1	1	1.001	1
9	1	1	0.999	0.999	1	1	1	1	1	1
10	1	1	0.999	1	1	1	1	0.999	1	1
11	1	1	0.999	1	1	1	1	1	1	1
12	1	1	0.999	1	1	1	1	1	1.001	1
13	0.999	1	0.999	1	1	0.999	1	1	1.001	1
14	1	1	0.999	1	1	1	1	1	1	1
15	1	1	0.999	1	0.999	1	1	1	1.001	1
16	1	1	0.999	0.999	1	1	1	1	1	1
17	1	1	0.999	1	1	1	1	1	1	1
18	1	1	0.999	1	1	1	1	1	1.001	1
19	1	0.999	0.999	1	1	1	1	1	1	1
20	1	1	0.999	1	1	1	1	1	1	1
21	1	1	0.999	1	1	1	0.999	1	1.001	1
22	1	1	0.999	1	1	1	1	1	1.001	0.999
23	1	1	0.999	1	1	1	1	1	1	1
24	1	1	0.999	1	1	1	1	1	1.001	1
25	1	1	0.999	1	1	1	1	1	1	1
26	1	1	0.999	1	1	1	1	1	1	1
27	1	1	0.999	1	1	1	1	1	1.001	1
28	1	1	0.999	1	1	1	1	1	1	1
29	1	1	0.999	1	1	1	1	1	1	1
30	1	1	0.999	1	1	1	1	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	26-27	28-29	29-30	31-32	32-33	34-35	35-36	37-38	38-39	40-41
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	40.79	37.20	26.82	37.20	27.97	37.20	37.20	37.20	38.93	37.20
Cpl	33.49	37.08	26.64	37.08	25.48	37.08	37.08	37.08	35.34	37.08
Cpk	33.49	37.08	26.64	37.08	25.48	37.08	37.08	37.08	35.34	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	0.998	1	1	1	0.999	1	1	1	0.999	1
2	0.998	1	1	1	0.999	1	1	1	0.999	1
3	0.998	1	1	1	0.999	1	1	1	0.999	1
4	0.998	1	1	1	0.999	1	1	1	0.999	1
5	0.998	1	1	1	0.999	1	1	1	0.999	1
6	0.998	1	1	1	0.999	1	1	1	0.999	1
7	0.998	1	0.999	1	0.999	1	1	1	0.999	1
8	0.998	1	1	1	0.999	0.999	1	1	1	1
9	0.998	1	1	1	0.999	1	1	1	0.999	0.999
10	0.998	1	1	1	0.999	1	1	1	0.999	1
11	0.998	1	1	1	0.999	1	1	1	0.999	1
12	0.998	1	1	1	0.999	1	1	1	0.999	1
13	0.998	1	1	1	0.999	1	0.999	0.999	0.999	1
14	0.999	1	1	1	0.999	1	1	1	0.999	1
15	0.998	1	1	1	0.999	1	1	1	0.999	1
16	0.998	1	1	1	0.999	1	1	1	0.999	1
17	0.998	1	1	1	0.999	1	1	1	0.999	1
18	0.998	0.999	1	1	0.999	1	1	1	0.999	1
19	0.998	1	1	1	0.999	1	1	1	0.999	1
20	0.998	1	1	1	0.999	1	1	1	0.999	1
21	0.998	1	1	1	0.999	1	1	1	0.999	1
22	0.998	1	1	0.999	0.999	1	1	1	0.999	1
23	0.998	1	1	1	1	1	1	1	0.999	1
24	0.998	1	1	1	0.999	1	1	1	0.999	1
25	0.998	1	1	1	0.999	1	1	1	0.999	1
26	0.998	1	1	1	1	1	1	1	0.999	1
27	0.998	1	0.999	1	0.999	1	1	1	0.999	1
28	0.998	1	1	1	0.999	1	1	1	0.999	1
29	0.998	1	1	1	0.999	1	1	1	0.999	1
30	0.998	1	1	1	0.999	1	1	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1	CH1 IL-1	H1 IL-1 Phas
Condition:	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins	41-42	43-44	44-45	46-47	47-48					
Unit	*1	*1	*1	*1	*1	dB	dB	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02					
LowLimit	0.98	0.98	0.98	0.98	0.98	-1	-0.8	-0.8	-1.6	-60
Average =	1.00	1.00	1.00	1.00	1.00	-0.12	-0.22	-0.24	-0.38	-27.84
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.05	1.18
Cpu	37.20	37.20	37.20	26.82	33.49					
Cpl	37.08	37.08	37.08	26.64	40.79	20.02	12.13	10.93	7.40	9.12
Cpk	37.08	37.08	37.08	26.64	33.49	20.02	12.13	10.93	7.40	9.12
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	1.002	-0.105	-0.227	-0.237	-0.349	-26.634
2	1	1	1	1	1.002	-0.091	-0.209	-0.225	-0.348	-26.868
3	1	1	1	1	1.002	-0.102	-0.214	-0.242	-0.354	-27.09
4	1	1	1	1	1.002	-0.098	-0.207	-0.228	-0.342	-27.922
5	1	1	1	1	1.002	-0.097	-0.204	-0.219	-0.388	-29.007
6	1	1	1	1	1.002	-0.104	-0.212	-0.22	-0.35	-27.76
7	1	1	1	1	1.001	-0.147	-0.26	-0.274	-0.508	-29.751
8	1	1	1	1	1.002	-0.15	-0.251	-0.275	-0.43	-28.346
9	1	1	1	1	1.002	-0.147	-0.255	-0.272	-0.463	-28.362
10	1	1	1	0.999	1.002	-0.149	-0.26	-0.277	-0.404	-28.164
11	1	1	1	1	1.002	-0.122	-0.219	-0.231	-0.381	-28.793
12	1	1	1	1	1.002	-0.113	-0.216	-0.238	-0.385	-28.123
13	1	1	1	1	1.002	-0.114	-0.215	-0.229	-0.371	-27.685
14	1	1	1	1	1.002	-0.115	-0.217	-0.233	-0.356	-27.581
15	1	0.999	1	1	1.002	-0.115	-0.219	-0.242	-0.346	-26.909
16	1	1	1	1	1.002	-0.116	-0.217	-0.228	-0.378	-27.882
17	1	1	1	1	1.002	-0.114	-0.21	-0.227	-0.332	-26.523
18	1	1	1	1	1.002	-0.112	-0.214	-0.232	-0.349	-26.711
19	1	1	1	1	1.002	-0.121	-0.203	-0.215	-0.484	-29.817
20	1	1	1	1	1.002	-0.114	-0.214	-0.227	-0.332	-26.693
21	1	1	0.999	0.999	1.002	-0.119	-0.212	-0.22	-0.378	-28.814
22	0.999	1	1	1	1.002	-0.117	-0.216	-0.235	-0.323	-26.56
23	1	1	1	1	1.002	-0.108	-0.213	-0.228	-0.346	-27.697
24	1	1	1	1	1.002	-0.132	-0.235	-0.264	-0.363	-27.052
25	1	1	1	1	1.002	-0.116	-0.216	-0.237	-0.39	-28.757
26	1	1	1	1	1.002	-0.123	-0.238	-0.247	-0.356	-26.625
27	1	1	1	1	1.002	-0.126	-0.236	-0.252	-0.371	-27.405
28	1	1	1	1	1.002	-0.121	-0.232	-0.241	-0.364	-27.58
29	1	1	1	1	1.002	-0.114	-0.228	-0.237	-0.352	-26.343
30	1	1	1	1	1.002	-0.124	-0.215	-0.234	-0.565	-31.664

Parameter	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	H1 IL-2 Phas	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	H1 IL-3 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.13	-0.22	-0.24	-0.44	-29.93	-0.14	-0.22	-0.24	-0.39	-26.34
STD DEV =	0.02	0.02	0.03	0.10	1.62	0.03	0.03	0.04	0.06	1.25
Cpu										
Cpl	14.14	8.55	6.99	3.79	6.20	9.85	6.18	4.75	6.75	8.94
Cpk	14.14	8.55	6.99	3.79	6.20	9.85	6.18	4.75	6.75	8.94
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.139	-0.239	-0.268	-0.438	-28.97	-0.143	-0.242	-0.274	-0.447	-26.123
2	-0.096	-0.215	-0.222	-0.364	-29.118	-0.109	-0.208	-0.23	-0.348	-25.759
3	-0.136	-0.237	-0.277	-0.462	-30.002	-0.097	-0.181	-0.18	-0.347	-26.062
4	-0.105	-0.202	-0.232	-0.358	-28.777	-0.11	-0.207	-0.202	-0.459	-29.205
5	-0.111	-0.22	-0.229	-0.428	-30.751	-0.109	-0.205	-0.205	-0.341	-25.68
6	-0.097	-0.196	-0.219	-0.354	-28.795	-0.122	-0.198	-0.218	-0.361	-26.448
7	-0.155	-0.255	-0.276	-0.433	-29.976	-0.163	-0.256	-0.271	-0.412	-26.049
8	-0.199	-0.301	-0.323	-0.506	-30.682	-0.172	-0.286	-0.31	-0.423	-25.735
9	-0.148	-0.253	-0.275	-0.575	-31.602	-0.189	-0.296	-0.322	-0.444	-25.381
10	-0.167	-0.264	-0.309	-0.709	-33.381	-0.155	-0.258	-0.27	-0.392	-25.541
11	-0.116	-0.224	-0.24	-0.352	-28.093	-0.126	-0.213	-0.218	-0.372	-26.43
12	-0.119	-0.221	-0.239	-0.397	-29.523	-0.143	-0.228	-0.235	-0.403	-27.259
13	-0.127	-0.214	-0.224	-0.377	-29.001	-0.143	-0.246	-0.267	-0.368	-25.03
14	-0.117	-0.203	-0.224	-0.362	-28.65	-0.151	-0.216	-0.238	-0.395	-26.321
15	-0.121	-0.206	-0.228	-0.404	-29.758	-0.139	-0.222	-0.235	-0.391	-25.956
16	-0.124	-0.197	-0.235	-0.683	-34.351	-0.119	-0.203	-0.218	-0.357	-26.039
17	-0.121	-0.21	-0.219	-0.366	-28.661	-0.119	-0.2	-0.216	-0.336	-25.513
18	-0.121	-0.215	-0.229	-0.366	-28.995	-0.12	-0.203	-0.219	-0.329	-25.546
19	-0.124	-0.205	-0.209	-0.373	-28.988	-0.134	-0.216	-0.223	-0.378	-26.551
20	-0.124	-0.207	-0.236	-0.352	-28.29	-0.118	-0.208	-0.223	-0.331	-25.26
21	-0.155	-0.233	-0.261	-0.46	-30.657	-0.116	-0.195	-0.201	-0.329	-25.451
22	-0.14	-0.221	-0.238	-0.387	-29.334	-0.116	-0.199	-0.211	-0.322	-25.153
23	-0.116	-0.206	-0.229	-0.356	-28.566	-0.116	-0.194	-0.192	-0.458	-29.026
24	-0.121	-0.207	-0.23	-0.68	-34.232	-0.233	-0.294	-0.336	-0.485	-25.124
25	-0.126	-0.206	-0.226	-0.379	-29.807	-0.191	-0.272	-0.311	-0.525	-28.419
26	-0.142	-0.236	-0.26	-0.407	-29.09	-0.143	-0.245	-0.265	-0.382	-25.544
27	-0.124	-0.212	-0.235	-0.562	-31.394	-0.132	-0.228	-0.24	-0.563	-29.625
28	-0.123	-0.214	-0.231	-0.358	-28.382	-0.113	-0.208	-0.215	-0.329	-25.233
29	-0.136	-0.21	-0.223	-0.441	-30.201	-0.116	-0.202	-0.216	-0.392	-26.612
30	-0.139	-0.234	-0.259	-0.412	-29.773	-0.117	-0.197	-0.209	-0.426	-28.023

Parameter	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	H1 IL-4 Phas	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	H1 IL-5 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.12	-0.20	-0.22	-0.40	-29.22	-0.11	-0.19	-0.20	-0.33	-26.99
STD DEV =	0.01	0.02	0.02	0.06	1.33	0.01	0.02	0.02	0.07	1.51
Cpu										
Cpl	23.07	11.98	11.17	6.63	7.71	20.09	11.34	9.65	5.78	7.30
Cpk	23.07	11.98	11.17	6.63	7.71	20.09	11.34	9.65	5.78	7.30
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.104	-0.197	-0.219	-0.476	-30.697	-0.095	-0.175	-0.168	-0.308	-26.985
2	-0.107	-0.196	-0.213	-0.384	-29.144	-0.093	-0.175	-0.183	-0.264	-25.771
3	-0.1	-0.19	-0.215	-0.349	-27.588	-0.09	-0.181	-0.19	-0.268	-25.795
4	-0.097	-0.186	-0.212	-0.396	-29.953	-0.094	-0.164	-0.172	-0.424	-29.408
5	-0.104	-0.205	-0.224	-0.358	-28.596	-0.094	-0.184	-0.204	-0.272	-25.254
6	-0.1	-0.2	-0.213	-0.382	-29.48	-0.098	-0.176	-0.178	-0.283	-26.591
7	-0.148	-0.237	-0.26	-0.495	-30.943	-0.139	-0.234	-0.251	-0.61	-31.363
8	-0.144	-0.235	-0.257	-0.6	-32.193	-0.149	-0.23	-0.23	-0.346	-26.84
9	-0.141	-0.237	-0.259	-0.44	-29.52	-0.143	-0.228	-0.243	-0.375	-27.369
10	-0.149	-0.255	-0.274	-0.42	-29.2	-0.145	-0.231	-0.227	-0.405	-28.008
11	-0.119	-0.191	-0.216	-0.363	-28.473	-0.116	-0.19	-0.188	-0.338	-27.323
12	-0.116	-0.186	-0.214	-0.446	-30.389	-0.114	-0.183	-0.179	-0.405	-28.416
13	-0.115	-0.201	-0.223	-0.359	-28.257	-0.121	-0.19	-0.2	-0.305	-26.389
14	-0.116	-0.19	-0.217	-0.379	-29.282	-0.12	-0.195	-0.196	-0.294	-26.6
15	-0.111	-0.196	-0.223	-0.35	-27.476	-0.11	-0.2	-0.214	-0.291	-25.759
16	-0.116	-0.2	-0.217	-0.355	-28.206	-0.105	-0.189	-0.206	-0.281	-25.718
17	-0.115	-0.199	-0.211	-0.461	-30.41	-0.112	-0.183	-0.187	-0.315	-26.867
18	-0.116	-0.195	-0.214	-0.379	-28.913	-0.116	-0.192	-0.2	-0.289	-25.713
19	-0.117	-0.188	-0.205	-0.488	-31.448	-0.117	-0.195	-0.219	-0.278	-25.762
20	-0.111	-0.189	-0.206	-0.361	-28.534	-0.109	-0.184	-0.195	-0.268	-24.675
21	-0.115	-0.196	-0.227	-0.347	-28.285	-0.107	-0.194	-0.206	-0.281	-25.179
22	-0.118	-0.193	-0.205	-0.36	-28.548	-0.113	-0.185	-0.208	-0.29	-25.885
23	-0.115	-0.203	-0.209	-0.404	-29.767	-0.11	-0.181	-0.178	-0.433	-29.301
24	-0.121	-0.199	-0.221	-0.499	-32.12	-0.113	-0.181	-0.183	-0.327	-27.68
25	-0.119	-0.199	-0.221	-0.351	-27.981	-0.113	-0.175	-0.168	-0.317	-27.182
26	-0.117	-0.211	-0.238	-0.36	-27.11	-0.123	-0.206	-0.206	-0.423	-29.402
27	-0.121	-0.211	-0.231	-0.383	-29.163	-0.116	-0.209	-0.222	-0.296	-25.632
28	-0.111	-0.197	-0.216	-0.342	-27.146	-0.113	-0.2	-0.205	-0.297	-26.287
29	-0.114	-0.216	-0.233	-0.358	-28.198	-0.117	-0.198	-0.19	-0.404	-28.434
30	-0.117	-0.203	-0.217	-0.401	-29.661	-0.111	-0.176	-0.185	-0.337	-28.021

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6	CH1 IL-6	H1 IL-6 Phas	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	H1 IL-7 Phas
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-0.8	-0.8	-1.6	-60	-1	-0.8	-0.8	-1.6	-60
Average =	-0.13	-0.22	-0.24	-0.41	-29.99	-0.13	-0.23	-0.27	-0.48	-28.31
STD DEV =	0.02	0.02	0.02	0.06	1.27	0.01	0.02	0.02	0.12	2.08
Cpu										
Cpl	17.59	8.90	7.69	6.77	7.88	21.45	8.98	7.85	3.07	5.09
Cpk	17.59	8.90	7.69	6.77	7.88	21.45	8.98	7.85	3.07	5.09
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.136	-0.227	-0.243	-0.423	-30.048	-0.142	-0.24	-0.288	-0.596	-30.075
2	-0.118	-0.211	-0.23	-0.397	-30.328	-0.106	-0.214	-0.229	-0.406	-28.164
3	-0.12	-0.214	-0.236	-0.349	-29.381	-0.131	-0.251	-0.29	-0.387	-26.505
4	-0.108	-0.189	-0.222	-0.495	-32.672	-0.112	-0.205	-0.275	-0.815	-33.218
5	-0.11	-0.189	-0.205	-0.334	-29.093	-0.113	-0.219	-0.249	-0.42	-28.095
6	-0.142	-0.233	-0.262	-0.408	-29.551	-0.109	-0.201	-0.24	-0.486	-29.22
7	-0.162	-0.266	-0.281	-0.392	-28.299	-0.153	-0.26	-0.287	-0.588	-30.105
8	-0.156	-0.256	-0.266	-0.431	-30.271	-0.153	-0.279	-0.298	-0.437	-26.852
9	-0.15	-0.254	-0.274	-0.386	-28.885	-0.151	-0.273	-0.309	-0.405	-26.008
10	-0.154	-0.234	-0.266	-0.599	-33.147	-0.148	-0.269	-0.296	-0.418	-26.415
11	-0.122	-0.183	-0.212	-0.494	-32.279	-0.12	-0.221	-0.245	-0.382	-27.058
12	-0.141	-0.228	-0.261	-0.425	-30.012	-0.121	-0.221	-0.251	-0.367	-26.164
13	-0.122	-0.213	-0.235	-0.33	-28.298	-0.124	-0.214	-0.239	-0.463	-28.553
14	-0.125	-0.211	-0.227	-0.363	-29.369	-0.122	-0.222	-0.238	-0.492	-28.995
15	-0.118	-0.218	-0.242	-0.357	-29.291	-0.133	-0.229	-0.273	-0.39	-26.358
16	-0.123	-0.202	-0.237	-0.329	-28.231	-0.145	-0.245	-0.292	-0.698	-32.012
17	-0.136	-0.221	-0.241	-0.414	-29.911	-0.123	-0.208	-0.243	-0.544	-29.849
18	-0.125	-0.211	-0.238	-0.39	-30.133	-0.149	-0.249	-0.284	-0.448	-28.032
19	-0.122	-0.211	-0.231	-0.348	-29.031	-0.125	-0.229	-0.253	-0.372	-26.848
20	-0.129	-0.193	-0.222	-0.363	-29.405	-0.135	-0.249	-0.289	-0.387	-25.819
21	-0.139	-0.219	-0.235	-0.365	-28.991	-0.124	-0.225	-0.244	-0.415	-27.849
22	-0.13	-0.203	-0.214	-0.464	-31.671	-0.125	-0.222	-0.261	-0.362	-25.504
23	-0.124	-0.194	-0.219	-0.484	-32.415	-0.125	-0.218	-0.276	-0.821	-32.943
24	-0.188	-0.271	-0.322	-0.461	-29.046	-0.131	-0.231	-0.239	-0.436	-28.958
25	-0.126	-0.198	-0.216	-0.374	-29.772	-0.127	-0.243	-0.268	-0.412	-27.093
26	-0.128	-0.211	-0.226	-0.423	-30.916	-0.14	-0.259	-0.293	-0.419	-26.357
27	-0.132	-0.222	-0.235	-0.388	-29.399	-0.123	-0.214	-0.253	-0.567	-30.38
28	-0.12	-0.197	-0.216	-0.359	-29.759	-0.122	-0.235	-0.262	-0.382	-26.251
29	-0.124	-0.208	-0.222	-0.432	-30.397	-0.11	-0.209	-0.238	-0.507	-29.181
30	-0.136	-0.217	-0.236	-0.389	-29.774	-0.113	-0.207	-0.248	-0.581	-30.321

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	H1 IL-8 Phas	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	100KHZ	30MHZ	60MHZ	100MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-50	-40	-33	-28	-50
LowLimit	-1	-0.8	-0.8	-1.6	-60					
Average =	-0.13	-0.24	-0.28	-0.45	-29.72	-89.42	-65.06	-58.25	-52.68	-91.35
STD DEV =	0.04	0.04	0.05	0.07	1.18	3.69	5.83	4.57	2.60	6.81
Cpu						3.56	1.43	1.84	3.16	2.02
Cpl	6.98	4.32	3.67	5.21	8.53					
Cpk	6.98	4.32	3.67	5.21	8.53	3.56	1.43	1.84	3.16	2.02
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.122	-0.23	-0.27	-0.603	-32.355	-91.576	-60.089	-59.168	-55.648	-83.175
2	-0.097	-0.215	-0.257	-0.379	-28.567	-92.951	-63.718	-55.163	-53.01	-102.209
3	-0.115	-0.225	-0.269	-0.393	-28.666	-93.883	-65.268	-53.986	-52.524	-88.929
4	-0.1	-0.227	-0.244	-0.399	-29.518	-91.865	-61.536	-54.54	-52.46	-93.523
5	-0.101	-0.207	-0.23	-0.383	-28.885	-87.049	-64.077	-63.665	-52.255	-87.631
6	-0.101	-0.219	-0.26	-0.413	-29.329	-84.353	-55.912	-57.312	-55.078	-88.835
7	-0.161	-0.287	-0.317	-0.611	-32.15	-88.697	-63.777	-59.755	-50.394	-85.983
8	-0.176	-0.298	-0.331	-0.509	-29.367	-86.537	-61.197	-62.508	-57.143	-89.839
9	-0.161	-0.288	-0.33	-0.516	-30.877	-93.464	-68.778	-61.203	-50.132	-93.078
10	-0.155	-0.275	-0.314	-0.439	-28.504	-81.877	-54.744	-48.963	-47.491	-94.223
11	-0.119	-0.228	-0.256	-0.425	-29.521	-92.392	-73.944	-60.311	-56.037	-84.163
12	-0.128	-0.232	-0.269	-0.393	-28.444	-90.803	-72.724	-65.181	-52.052	-85.09
13	-0.119	-0.228	-0.248	-0.469	-30.008	-87.699	-66.028	-58.479	-56.149	-91.105
14	-0.125	-0.228	-0.261	-0.424	-29.286	-89.919	-64.667	-58.613	-54.494	-89.578
15	-0.127	-0.239	-0.276	-0.401	-28.586	-93.7	-56.282	-54.052	-51.882	-89.39
16	-0.119	-0.216	-0.243	-0.469	-31.158	-85.543	-61.906	-59.353	-52.972	-94.264
17	-0.128	-0.229	-0.275	-0.595	-32.128	-90.068	-75.363	-58.704	-55.542	-87.117
18	-0.114	-0.228	-0.265	-0.377	-28.328	-90.938	-63.59	-54.593	-53.124	-107.277
19	-0.327	-0.432	-0.486	-0.599	-28.482	-88.23	-55.183	-54.088	-46.146	-92.563
20	-0.117	-0.218	-0.251	-0.392	-29.753	-86.594	-74.736	-54.517	-51.602	-84.893
21	-0.118	-0.22	-0.248	-0.399	-28.81	-89.804	-64.255	-62.806	-51.876	-89.913
22	-0.122	-0.227	-0.255	-0.473	-31.11	-82.198	-71.436	-52.297	-49.899	-90.165
23	-0.121	-0.221	-0.259	-0.415	-29.41	-98.706	-67.034	-54.619	-52.37	-90.809
24	-0.184	-0.302	-0.345	-0.509	-29.525	-90.819	-68.103	-57.962	-50.234	-99.672
25	-0.143	-0.244	-0.276	-0.554	-31.511	-84.497	-74.082	-58.087	-54.069	-108.249
26	-0.13	-0.232	-0.265	-0.437	-29.798	-87.326	-61.734	-56.526	-53.391	-102.925
27	-0.13	-0.231	-0.255	-0.44	-29.832	-90.162	-65.179	-60.36	-49.587	-81.247
28	-0.13	-0.229	-0.272	-0.435	-30.038	-88.402	-64.286	-60.341	-55.908	-90.176
29	-0.123	-0.233	-0.268	-0.394	-29.323	-94.077	-59.55	-56.651	-51.135	-93.519
30	-0.118	-0.23	-0.256	-0.375	-28.341	-88.386	-72.552	-73.723	-55.902	-80.845

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-50	-40	-33	-28	-50	-40	-33
LowLimit										
Average =	-66.07	-59.14	-52.92	-92.32	-68.25	-61.45	-55.95	-89.84	-68.80	-62.20
STD DEV =	5.64	6.06	5.88	4.64	4.84	2.79	2.83	5.60	6.96	7.22
Cpu	1.54	1.44	1.41	3.04	1.95	3.40	3.29	2.37	1.38	1.35
Cpl										
Cpk	1.54	1.44	1.41	3.04	1.95	3.40	3.29	2.37	1.38	1.35
DATA	-	-	-	-	-	-	-	-	-	-
1	-62.55	-60.329	-53.285	-86.076	-70.569	-61.896	-52.75	-84.135	-56.127	-49.547
2	-63.484	-63.677	-57.305	-94.077	-66.109	-60.117	-58.992	-94.203	-79.986	-70.825
3	-57.852	-62.465	-48.724	-95.573	-72.299	-64.704	-59.213	-92.418	-72.529	-65.665
4	-68.099	-49.807	-48.008	-98.08	-76.783	-64.999	-57.371	-88.424	-59.244	-52.45
5	-68.731	-60.416	-51.632	-91.548	-69.512	-62.88	-58.615	-88.051	-68.825	-63.722
6	-74.633	-63.013	-50.478	-88.736	-72.089	-67.13	-55.114	-91.058	-72.466	-63.139
7	-56.296	-65.641	-55.471	-86.267	-65.666	-59.951	-55.178	-83.506	-55.31	-48.519
8	-68.415	-60.816	-57.189	-98.973	-69.696	-63.786	-54.308	-90.646	-71.62	-63.857
9	-61.691	-51.307	-53.939	-94.967	-69.642	-63.714	-56.919	-107.274	-72.603	-74.357
10	-59.081	-61.558	-59.303	-86.055	-64.313	-58.298	-56.174	-86.742	-64.418	-57.505
11	-62.994	-55.517	-58.267	-85.863	-66.913	-60.669	-57.448	-89.829	-65.664	-60.358
12	-58.466	-67.167	-50.9	-96.773	-69.11	-61.76	-53.976	-82.945	-59.107	-52.725
13	-72.665	-65.775	-71.164	-93.891	-66.302	-60.566	-56.754	-87.416	-77.888	-72.158
14	-72.512	-66.135	-50.27	-90.818	-77.258	-65.678	-55.855	-85.179	-70.596	-63.693
15	-73.091	-59.156	-48.605	-87.724	-71.188	-64.55	-58.659	-91.155	-72.634	-66.661
16	-74.109	-55.047	-55.972	-92.045	-61.992	-56.103	-54.266	-87.495	-76.591	-73.438
17	-62.257	-55.775	-53.361	-90.284	-72.269	-61.94	-52.241	-86.283	-55.905	-49.572
18	-59.484	-60.406	-56.651	-100.723	-64.687	-60.164	-58.513	-83.101	-79.405	-74.464
19	-67.89	-49.987	-54.456	-91.621	-79.284	-62.193	-50.731	-87.092	-70.343	-62.847
20	-62.467	-65.775	-52.858	-88.408	-56.367	-60.311	-57.563	-96.414	-71.432	-64.23
21	-70.419	-53.77	-51.794	-96.644	-68.663	-62.965	-59.509	-89.603	-70.28	-63.094
22	-58.571	-56.972	-54.753	-90.114	-66.302	-60.97	-57.616	-93.895	-72.774	-65.906
23	-70.18	-49.649	-47.764	-93.455	-72.794	-65.387	-57.532	-88.34	-59.167	-52.467
24	-65.658	-54.723	-54.223	-94.216	-67.933	-61.816	-55.421	-91.882	-67.688	-60.923
25	-73.699	-69.14	-46.824	-89.187	-64.479	-57.513	-55.617	-87.842	-71.558	-62.707
26	-68.83	-51.282	-54.93	-105.118	-61.919	-56.484	-54.481	-106.19	-64.362	-57.508
27	-58.587	-54.006	-37.663	-91.004	-64.422	-57.69	-50.084	-88.855	-79.78	-69.448
28	-72.052	-50.894	-60.849	-90.382	-62.057	-57.532	-54.857	-90.815	-70.078	-63.687
29	-70.912	-65.736	-46.716	-94.22	-67.434	-61.517	-62.39	-90.318	-65.911	-58.171
30	-66.361	-68.225	-44.169	-86.754	-69.515	-60.126	-50.355	-84.028	-69.728	-62.329

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-28	-50	-40	-33	-28	-50	-40	-33	-28	-50
LowLimit										
Average =	-51.73	-91.68	-63.02	-58.50	-52.96	-89.10	-65.72	-59.96	-51.20	-88.10
STD DEV =	5.19	5.84	5.38	5.56	4.62	5.47	5.64	6.72	4.61	4.56
Cpu	1.52	2.38	1.43	1.53	1.80	2.38	1.52	1.34	1.68	2.79
Cpl										
Cpk	1.52	2.38	1.43	1.53	1.80	2.38	1.52	1.34	1.68	2.79
DATA	-	-	-	-	-	-	-	-	-	-
1	-42.59	-97.017	-62.098	-59.334	-48.884	-86.9	-59.129	-67.281	-49.295	-75.876
2	-55.127	-91.074	-69.615	-55.382	-52.258	-96.639	-72.685	-50.67	-51.902	-90.27
3	-44.087	-95.357	-60.206	-58.133	-55.732	-96.902	-68.725	-51.434	-47.051	-89.033
4	-57.238	-85.525	-60.512	-47.958	-40.805	-76.868	-59.975	-67.965	-44.883	-91.529
5	-43.509	-83.698	-69.592	-53.982	-51.462	-88.022	-71.108	-50.537	-43.669	-88.742
6	-47.175	-88.638	-60.699	-54.375	-52.232	-83.759	-69.236	-67.969	-54.976	-89.866
7	-45.244	-90.292	-67.876	-76.084	-61.987	-89.2	-58.731	-50.893	-49.798	-80.333
8	-56.049	-88.536	-63.57	-64.664	-53.149	-89.137	-72.213	-62.069	-53.755	-84.75
9	-56.656	-85.948	-62.639	-58.747	-56.992	-95.498	-65.978	-55.884	-51.346	-89.837
10	-51.593	-96.654	-69.889	-55.753	-46.756	-84.595	-72.72	-63.952	-54.723	-88.334
11	-52.533	-91.68	-56.318	-61.706	-51.069	-85.613	-72.238	-59.971	-51.805	-88.998
12	-52.187	-108.244	-69.511	-66.629	-53.579	-95.977	-63.32	-66.281	-46.688	-95.113
13	-45.644	-89.455	-67.235	-58.658	-58.072	-88.941	-56.851	-55.822	-43.594	-87.495
14	-50.705	-83.491	-70.413	-54.519	-52.116	-85.658	-58.037	-67.956	-57.436	-92.88
15	-54.434	-91.786	-75.301	-58.102	-55.763	-94.966	-65.28	-63.154	-43.884	-84.211
16	-52.535	-87.216	-57.414	-58.72	-57.13	-94.429	-73.494	-62.956	-53.162	-85.75
17	-54.128	-87.565	-60.301	-59.966	-49.116	-93.53	-71.662	-64.263	-54.362	-76.97
18	-53.33	-85.02	-61.394	-55.679	-52.12	-92.05	-60.88	-49.496	-51.949	-86.507
19	-46.42	-102.225	-60.541	-57.171	-53.865	-94.214	-70.258	-65.551	-51.656	-89.483
20	-59.711	-96.199	-58.838	-57.917	-55.598	-86.043	-62.552	-52.68	-51.191	-86.82
21	-43.437	-88.96	-54.755	-53.874	-51.677	-94.253	-67.943	-56.845	-60.044	-93.383
22	-57.064	-88.757	-60.916	-56.354	-55.925	-86.827	-59.581	-60.645	-57.874	-88.311
23	-54.383	-85.67	-61.929	-47.978	-40.921	-76.177	-71.161	-57.377	-51.898	-90.579
24	-59.173	-89.603	-56.15	-59.786	-59.671	-94.216	-73.924	-62.951	-55.779	-92.226
25	-58.761	-92.203	-63.014	-66.419	-54.33	-91.081	-67.177	-51.787	-49.567	-90.387
26	-50.328	-98.581	-60.212	-68.167	-53.534	-86.934	-61.856	-49.615	-53.919	-86.926
27	-57.554	-96.407	-57.497	-57.821	-56.292	-83.441	-61.938	-69.088	-47.702	-84.608
28	-44.206	-88.686	-64.595	-54.888	-52.966	-93.275	-54.984	-69.837	-46.442	-92.215
29	-52.728	-94.077	-72.423	-57.997	-48.133	-83.647	-66.522	-56.285	-59.987	-85.677
30	-53.351	-101.759	-55.094	-58.302	-56.577	-84.241	-61.564	-67.562	-45.586	-95.939

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-33	-28	-18	-18	-18	-16	-14.4	-11	-9
LowLimit										
Average =	-65.27	-59.40	-52.34	-32.47	-32.40	-31.88	-31.64	-22.69	-21.62	-17.18
STD DEV =	5.62	6.26	6.02	3.54	2.83	2.96	3.05	1.22	1.53	0.96
Cpu	1.50	1.41	1.35	1.36	1.70	1.57	1.71	2.26	2.32	2.85
Cpl										
Cpk	1.50	1.41	1.35	1.36	1.70	1.57	1.71	2.26	2.32	2.85
DATA	-	-	-	-	-	-	-	-	-	-
1	-54.904	-53.015	-34.461	-31.233	-29.036	-32.852	-31.343	-22.492	-21.471	-17.519
2	-64.577	-50.825	-54.594	-39.052	-28.273	-34.428	-36.207	-24.925	-21.892	-17.656
3	-58.264	-53.018	-54.122	-33.117	-31.948	-30.776	-28.777	-22.234	-19.823	-17.534
4	-60.38	-57.215	-56.43	-32.126	-31.353	-36.652	-29.914	-23.527	-22.918	-16.844
5	-56.761	-54.812	-55.913	-37.205	-35.327	-31.376	-32.24	-23.999	-22.334	-17.542
6	-59.166	-49.859	-53.083	-35.81	-36.487	-32.46	-31.999	-23.046	-23.774	-16.193
7	-73.555	-57.9	-41.18	-26.9	-30.154	-27.766	-34.415	-22.531	-21.527	-16.9
8	-61.99	-56.574	-52.408	-27.395	-28.503	-35.388	-30.936	-23.849	-23.359	-18.044
9	-72.663	-59.311	-54.127	-28.655	-34.895	-27.043	-32.053	-21.132	-21.982	-17.067
10	-58.054	-52.538	-51.011	-31.129	-29.927	-29.466	-31.738	-21.567	-23.148	-16.643
11	-72.831	-67.932	-54.908	-33.775	-30.835	-33.531	-26.833	-22.853	-19.366	-17.506
12	-64.95	-67.669	-54.411	-28.446	-30.414	-35.881	-30.531	-20.771	-19.496	-17.607
13	-65.154	-55.325	-57.221	-32.302	-35.926	-31.662	-33.431	-23.272	-20.217	-16.69
14	-57.398	-62.855	-53.17	-31.614	-35.575	-27.439	-36.395	-21.403	-20.994	-19.021
15	-67.374	-54.81	-54.123	-32.844	-32.056	-27.488	-30.67	-22.108	-23.975	-16.891
16	-68.483	-51.605	-45.148	-27.089	-28.999	-32.219	-32.491	-23.483	-19.857	-16.316
17	-59.979	-56.139	-34.442	-38.815	-37.01	-28.747	-32.405	-21.633	-22.948	-18.773
18	-70.391	-60.388	-54.507	-29.495	-32.272	-35.353	-33.96	-24.718	-21.865	-16.244
19	-74.946	-63.148	-51.413	-33.942	-31.554	-28.413	-35.089	-21.017	-23.568	-18.947
20	-70.42	-60.175	-54.609	-28.107	-29.161	-32.569	-36.619	-21.286	-19.831	-16.233
21	-68.615	-64.427	-56.057	-39.096	-35.388	-32.443	-26.94	-24.671	-23.645	-16.744
22	-65.604	-56.216	-53.134	-36.126	-35.487	-33.625	-27.427	-21.547	-19.622	-15.264
23	-67.245	-59.811	-56.475	-36.558	-32.618	-29.407	-26.37	-24.844	-20.632	-17.042
24	-58.571	-66.085	-55.551	-30.271	-35.004	-31.701	-30.274	-23.397	-20.598	-15.179
25	-69.268	-69.4	-50.046	-33.049	-29.318	-26.877	-34.175	-21.048	-22.815	-16.317
26	-64.993	-65.651	-55.219	-30.647	-31.442	-36.336	-27.667	-22.244	-20.149	-16.745
27	-65.162	-67.482	-50.384	-28.755	-36.536	-31.075	-26.73	-21.771	-20.326	-17.68
28	-63.105	-68.094	-52.263	-32.608	-29.732	-33.221	-36.186	-23.041	-19.891	-17.868
29	-71.198	-70.015	-61.629	-35.429	-30.368	-34.521	-34.172	-22.568	-23.949	-17.398
30	-72	-49.583	-58.173	-32.641	-36.349	-35.827	-31.145	-23.712	-22.71	-18.877

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-11	-9	-18	-18	-18
LowLimit										
Average =	-12.53	-32.87	-32.63	-32.05	-22.46	-21.38	-16.87	-12.95	-32.61	-32.28
STD DEV =	0.88	2.95	3.44	2.63	1.34	1.50	1.11	0.71	2.59	3.38
Cpu	2.08	1.68	1.42	2.04	2.01	2.31	2.35	2.36	1.88	1.41
Cpl										
Cpk	2.08	1.68	1.42	2.04	2.01	2.31	2.35	2.36	1.88	1.41
DATA	-	-	-	-	-	-	-	-	-	-
1	-13.333	-34.202	-36.625	-31.1	-20.808	-20.536	-18.356	-13.24	-33.254	-30.595
2	-13.611	-36.183	-36.394	-30.84	-20.482	-22.78	-15.978	-13.878	-30.504	-34.411
3	-12.536	-34.019	-33.552	-32.732	-22.833	-19.919	-17.898	-13.321	-30.16	-31.649
4	-13.78	-35.188	-26.788	-32.29	-22.01	-20.798	-15.628	-13.831	-34.07	-32.835
5	-11.502	-32.145	-36.51	-29.358	-22.828	-19.411	-18.086	-13.329	-32.665	-32.474
6	-11.268	-31.596	-35.615	-32.928	-22.09	-20.405	-16.973	-13.467	-35.687	-28.058
7	-12.419	-36.663	-30.564	-32.761	-22.643	-21.225	-17.624	-13.229	-29.742	-32.783
8	-12.384	-35.493	-29.003	-36.458	-21.093	-23.955	-18.434	-12.336	-33.204	-26.606
9	-13.796	-31.534	-36.601	-27.856	-23.337	-22.192	-16.935	-12.203	-31	-36.174
10	-12.91	-36.893	-33.669	-31.502	-22.648	-23.06	-18.285	-11.863	-30.902	-35.812
11	-11.999	-29.567	-36.802	-34.508	-20.21	-23.366	-15.245	-11.182	-33.203	-36.993
12	-11.495	-32.788	-32.365	-32.85	-24.609	-21.568	-18.591	-12.217	-34.841	-27.913
13	-13.485	-33.652	-35.522	-29.489	-22.051	-19.989	-17.946	-13.526	-28.547	-29.793
14	-11.197	-36.623	-29.214	-29.945	-22.724	-21.713	-15.332	-13.94	-36.593	-35.891
15	-11.421	-28.605	-30.459	-27.016	-20.824	-19.641	-18.01	-13.367	-29.153	-32.544
16	-11.932	-34.203	-28.765	-33.668	-20.265	-23.863	-15.549	-12.484	-31.405	-27.499
17	-12.928	-28.295	-36.323	-29.869	-24.659	-21.479	-16.568	-12.726	-28.413	-30.105
18	-12.235	-31.322	-35.048	-34.924	-24.631	-19.75	-16.628	-13.074	-36.25	-27.567
19	-12.521	-28.694	-35.277	-36.044	-21.187	-23.795	-15.269	-13.117	-34.806	-28.625
20	-13.324	-29.097	-35.389	-32.681	-21.638	-23.595	-16.825	-13.576	-31.494	-33.177
21	-13.528	-30.789	-28.681	-34.931	-20.659	-20.477	-16.517	-13.558	-34.663	-36.384
22	-11.4	-34.143	-26.368	-32.607	-23.328	-19.339	-15.187	-13.151	-34.819	-32.42
23	-13.975	-29.394	-33.52	-29.688	-22.349	-19.944	-16.485	-13.372	-35.371	-36.217
24	-11.325	-28.307	-29.143	-31.85	-23.321	-21.59	-18.401	-12.729	-35.862	-36.854
25	-13.681	-29.409	-36.881	-33.532	-23.974	-20.448	-17.067	-12.956	-28.966	-36.207
26	-12.046	-35.461	-35.464	-26.872	-24.009	-23.529	-16.817	-11.65	-36.497	-35.671
27	-11.654	-36.9	-28.993	-35.158	-22.308	-19.941	-17.234	-13.162	-29.748	-27.022
28	-12.395	-36.081	-31.316	-36.599	-22.338	-22.421	-17.473	-11.66	-33.688	-28.611
29	-12.425	-36.658	-30.718	-28.987	-23.749	-21.057	-15.168	-12.484	-33.568	-31.957
30	-13.281	-32.079	-27.37	-32.499	-24.333	-19.676	-15.684	-13.777	-29.338	-35.586

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4	-11
LowLimit										
Average =	-31.34	-22.41	-21.59	-17.24	-12.63	-31.29	-30.93	-31.54	-22.82	-21.28
STD DEV =	3.01	1.35	1.45	1.24	0.82	2.31	3.14	2.94	1.50	1.30
Cpu	1.70	1.98	2.44	2.22	2.18	1.91	1.37	1.76	1.87	2.63
Cpl										
Cpk	1.70	1.98	2.44	2.22	2.18	1.91	1.37	1.76	1.87	2.63
DATA	-	-	-	-	-	-	-	-	-	-
1	-31.924	-23.023	-21.004	-17.973	-12.694	-29.847	-34.967	-27.899	-24.731	-21.044
2	-32.272	-20.151	-19.67	-17.344	-12.204	-28.683	-33.561	-32.512	-21.144	-20.661
3	-34.185	-20.688	-23.835	-18.618	-11.985	-31.102	-34.895	-27.551	-20.568	-19.234
4	-31.264	-23.195	-19.616	-18.19	-13.136	-35.562	-27.384	-30.999	-24.629	-20.23
5	-27.024	-20.567	-19.771	-15.74	-12.665	-33.297	-27	-26.144	-22.819	-20.08
6	-26.91	-23.837	-19.401	-18.477	-12.206	-30.927	-34.085	-33.591	-24.159	-19.583
7	-29.574	-23.274	-21.685	-17.045	-11.779	-29.708	-35.857	-28.825	-20.158	-19.282
8	-33.358	-24.836	-21.278	-18.116	-12.525	-28.139	-28.105	-34.127	-20.599	-22.77
9	-27.543	-21.36	-20.84	-16.209	-13.611	-34.652	-29.036	-27.231	-23.409	-23.392
10	-35.218	-23.867	-21.295	-18.632	-12.048	-36.421	-28.524	-30.458	-21.766	-21.709
11	-31.008	-22.111	-22.521	-17.075	-13.46	-31.556	-29.867	-34.492	-20.697	-19.365
12	-30.316	-24.211	-20.286	-15.67	-13.981	-30.38	-33.693	-34.646	-22.824	-21.802
13	-26.342	-22.617	-22.079	-15.34	-11.265	-28.323	-27.711	-31.968	-24.428	-22.858
14	-33.668	-23.96	-19.428	-15.828	-14.012	-31.313	-29.776	-35.744	-21.476	-21.359
15	-35.281	-23.903	-22.619	-18.606	-11.79	-28.395	-29.685	-36.404	-22.877	-21.061
16	-34.094	-22.803	-23.591	-15.577	-11.62	-28.682	-36.572	-28.26	-21.762	-20.014
17	-30.28	-23.545	-21.505	-15.852	-11.748	-31.574	-27.105	-32.97	-22.792	-23.174
18	-34.207	-21.758	-21.729	-16.979	-12.666	-33.29	-34.739	-26.866	-21.321	-22.889
19	-30.835	-23.132	-23.218	-16.511	-13.772	-28.943	-28.99	-29.34	-24.386	-23.5
20	-35.304	-23.116	-23.057	-18.522	-11.278	-29.919	-27.354	-32.019	-22.046	-19.367
21	-34.78	-21.236	-22.33	-16.286	-13.437	-31.429	-34.839	-31.962	-24.003	-21.648
22	-29.782	-21.442	-23.567	-18.87	-11.73	-32.71	-27.36	-32.679	-23.142	-22.222
23	-27.012	-20.606	-19.963	-15.784	-13.838	-31.619	-35.937	-26.372	-23.799	-21.03
24	-29.694	-21.225	-19.912	-18.886	-12.917	-29.2	-31.78	-33.392	-24.683	-19.766
25	-33.452	-24.18	-23.764	-15.695	-13.398	-35.506	-33.053	-32.087	-24.567	-20.415
26	-29.917	-22.664	-21.222	-17.103	-12.537	-34.476	-28.889	-32.103	-24.815	-21.753
27	-26.374	-20.198	-20.89	-18.728	-11.935	-32.689	-29.544	-33.573	-21.888	-22.419
28	-35.693	-20.315	-20.658	-18.712	-12.229	-30.914	-28.503	-33.213	-24.395	-21.431
29	-34.695	-22.449	-23.856	-16.164	-13.55	-30.569	-30.714	-36.186	-24.113	-22.17
30	-28.173	-22.174	-23.202	-18.617	-12.986	-28.881	-28.38	-32.652	-20.735	-22.174

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-9	-18	-18	-18	-16	-14.4	-11	-9	-18	-18
LowLimit										
Average =	-17.14	-12.61	-32.48	-30.79	-30.88	-22.69	-21.73	-17.23	-12.78	-32.58
STD DEV =	1.07	0.88	2.69	3.11	3.14	1.41	1.57	1.06	0.88	2.47
Cpu	2.55	2.04	1.79	1.37	1.58	1.96	2.28	2.60	1.98	1.97
Cpl										
Cpk	2.55	2.04	1.79	1.37	1.58	1.96	2.28	2.60	1.98	1.97
DATA	-	-	-	-	-	-	-	-	-	-
1	-17.984	-13.631	-30.272	-27.397	-33.154	-20.331	-20.574	-16.654	-13.695	-36.023
2	-17.227	-12.692	-36.748	-35.497	-26.678	-23.593	-19.411	-17.683	-13.242	-36.703
3	-18.779	-11.285	-35.845	-28.466	-33.639	-20.411	-19.256	-16.821	-13.668	-32.994
4	-16.374	-12.025	-31.988	-29.193	-34.308	-22.604	-21.382	-18.628	-11.366	-32.884
5	-16.017	-11.92	-35.628	-35.509	-26.958	-24.074	-20.004	-16.596	-12.996	-33.616
6	-18.131	-13.186	-28.506	-29.119	-34.581	-22.08	-23.064	-18.664	-12.098	-30.433
7	-18.043	-13.345	-32.553	-32.427	-35.397	-24.142	-23.847	-15.28	-11.511	-35.1
8	-17.91	-11.438	-28.343	-29.602	-26.522	-22.516	-20.329	-15.865	-11.686	-30.159
9	-17.575	-12.595	-34.573	-29.593	-32.946	-22.876	-23.903	-17.275	-12.741	-34.537
10	-16.256	-13.985	-34.821	-34.176	-31.926	-22.917	-22.216	-18.755	-12.397	-32.65
11	-18.845	-12.04	-28.983	-31.278	-29.099	-23.863	-22.794	-16.364	-12.801	-29.101
12	-16.602	-11.807	-36.746	-33.841	-31.553	-20.467	-20.274	-18.686	-13.917	-29.822
13	-18.904	-11.158	-28.171	-35.144	-30.189	-21.375	-23.657	-18.387	-13.186	-35.215
14	-18.562	-13.191	-29.45	-29.661	-26.716	-22.811	-22.846	-16.69	-13.756	-30.631
15	-17.165	-12.502	-33.497	-36.871	-28.966	-21.271	-21.283	-18.561	-13.533	-35.604
16	-15.884	-13.338	-36.109	-26.136	-31.623	-22.848	-20.735	-18.007	-13.819	-30.873
17	-17.362	-11.497	-30.628	-28.794	-27.234	-22.753	-21.932	-17.537	-13.055	-34.023
18	-18.602	-12.459	-32.485	-31.873	-29.587	-22.545	-23.823	-16.118	-13.881	-33.073
19	-15.15	-13.783	-35.589	-35.913	-28.071	-22.463	-22.289	-16.852	-11.486	-33.995
20	-15.846	-13.622	-30.822	-29.848	-35.048	-20.421	-19.43	-18.615	-11.622	-31.286
21	-16.789	-11.144	-32.175	-27.671	-29.609	-23.11	-23.374	-18.171	-13.933	-29.84
22	-16.924	-12.125	-32.567	-34.247	-29.533	-20.22	-22.871	-15.383	-11.795	-31.035
23	-15.354	-13.676	-29.207	-28.413	-34.853	-23.095	-23.097	-17.042	-13.298	-30.375
24	-17.277	-11.692	-35.101	-29.337	-35.22	-24.833	-19.8	-17.383	-13.237	-36.256
25	-16.46	-13.278	-30.322	-27.157	-28.755	-24.329	-21.431	-16.488	-11.457	-28.513
26	-17.717	-13.437	-31.968	-27.27	-28.088	-24.02	-23.78	-18.444	-12.487	-30.276
27	-15.471	-13.405	-31.114	-26.296	-35.101	-21.16	-23.777	-17.533	-12.605	-35.256
28	-17.656	-13.069	-35.104	-31.917	-27.967	-24.02	-20.166	-16.499	-12.705	-35.146
29	-17	-13.338	-30.293	-28.254	-35.825	-24.745	-19.67	-15.899	-11.62	-28.263
30	-16.449	-11.647	-34.829	-32.682	-27.209	-24.76	-20.963	-16.071	-13.955	-33.762

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-11	-9	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-32.00	-30.96	-22.69	-21.37	-17.22	-12.44	-32.93	-31.88	-32.16	-22.08
STD DEV =	3.30	3.04	1.53	1.23	1.01	0.91	2.22	2.80	2.73	1.07
Cpu	1.41	1.64	1.81	2.81	2.73	2.04	2.24	1.65	1.97	2.39
Cpl										
Cpk	1.41	1.64	1.81	2.81	2.73	2.04	2.24	1.65	1.97	2.39
DATA	-	-	-	-	-	-	-	-	-	-
1	-32.339	-36.119	-20.141	-20.181	-18.509	-11.689	-34.006	-35.038	-36.739	-23.307
2	-31.188	-33.725	-23.073	-22.149	-16.693	-14	-29.856	-32.959	-27.942	-23.092
3	-28.012	-30.924	-21.93	-22.425	-16.423	-12.707	-33.62	-34.143	-33.028	-21.156
4	-33.398	-34.069	-22.477	-20.904	-18.474	-11.646	-36.626	-34.517	-33.086	-23.342
5	-36.44	-26.744	-24.555	-19.794	-17.303	-11.707	-34.669	-28.867	-32.274	-22.289
6	-29.402	-27.507	-23.061	-19.992	-16.867	-12.963	-33.547	-30.353	-31.625	-20.577
7	-33.176	-34.159	-23.415	-19.636	-16.315	-12.851	-32.591	-26.697	-29.18	-21.886
8	-33.11	-30.268	-24.347	-23.594	-18.382	-11.665	-34.736	-34.111	-31.511	-21.881
9	-29.297	-30.029	-22.041	-22.568	-17.814	-11.977	-30.051	-31.046	-28.95	-23.848
10	-34.902	-26.716	-21.351	-22.755	-17.2	-11.379	-28.761	-30.999	-32.054	-21.812
11	-34.84	-26.338	-24.833	-21.71	-18.251	-12.523	-32.822	-31.44	-28.457	-23.224
12	-29.573	-33.694	-24.058	-20.954	-15.18	-11.892	-31.524	-32.543	-26.446	-20.272
13	-27.422	-33.507	-23.842	-19.845	-16.561	-13.568	-33.944	-29.887	-34.806	-20.153
14	-34.189	-34.817	-23.467	-21.89	-18.342	-11.24	-35.686	-32.071	-32.034	-22.59
15	-36.547	-30.943	-24.208	-21.068	-16.473	-13.369	-29.441	-27.061	-36.296	-23.585
16	-36.767	-34.991	-20.168	-19.658	-19.02	-11.582	-33.436	-31.289	-36.945	-21.186
17	-27.258	-36.068	-20.369	-21.36	-15.738	-12.628	-34.858	-30.595	-30.227	-22.839
18	-27.013	-27.104	-23.287	-20.385	-16.156	-11.188	-30.963	-26.763	-34.514	-21.64
19	-26.343	-29.376	-24.313	-23.013	-16.819	-12.574	-35.71	-32.569	-33.824	-21.316
20	-27.984	-27.618	-20.828	-22.07	-16.651	-13.91	-29.769	-27.623	-33.899	-22.196
21	-32.558	-32.98	-23.897	-22.224	-17.019	-11.205	-34.245	-30.162	-34.522	-20.922
22	-33.582	-28.717	-22.026	-19.73	-17.72	-13.255	-35.84	-35.583	-28.969	-23.085
23	-30.997	-29.319	-20.88	-20.515	-16.389	-11.602	-32.091	-30.319	-29.856	-22.015
24	-29.515	-28.266	-21.423	-20.625	-18.904	-11.826	-29.65	-34.484	-35.799	-21.481
25	-30.362	-30.124	-24.089	-23.951	-15.784	-13.032	-32.508	-36.32	-30.594	-20.173
26	-36.919	-29.856	-22.753	-22.389	-18.653	-13.649	-32.946	-33.46	-29.868	-23.797
27	-29.567	-33.943	-24.666	-21.545	-17.224	-11.247	-32.436	-35.277	-34.565	-21.591
28	-36.029	-31.208	-24.134	-20.789	-18.075	-13.533	-33.538	-35.357	-34.079	-23.196
29	-35.898	-26.617	-20.271	-22.99	-16.647	-13.251	-30.922	-29.226	-32.411	-22.267
30	-35.301	-32.927	-20.686	-20.376	-17.16	-13.598	-36.981	-35.56	-30.361	-21.639

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	DCMR1
Condition:	80MHZ	100MHZ	5MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-11	-9	-18	-18	-18	-16	-14.4	-11	-9	-50
LowLimit										
Average =	-21.61	-16.90	-12.75	-32.73	-31.46	-32.16	-22.98	-21.58	-17.32	-12.59
STD DEV =	1.50	1.01	0.91	2.69	3.19	2.79	1.33	1.30	1.05	0.80
Cpu	2.36	2.62	1.93	1.83	1.41	1.93	2.15	2.72	2.65	15.58
Cpl										
Cpk	2.36	2.62	1.93	1.83	1.41	1.93	2.15	2.72	2.65	15.58
DATA	-	-	-	-	-	-	-	-	-	-
1	-22.137	-15.975	-12.631	-33.762	-30.513	-28.392	-23.359	-22.147	-16.017	-12.196
2	-23.225	-16.583	-13.876	-29.709	-27.451	-28.184	-21.24	-20.08	-17.397	-11.29
3	-21.824	-15.199	-11.218	-34.759	-35.103	-30.407	-22.103	-21.091	-18.618	-13.722
4	-22.565	-16.902	-11.973	-28.975	-29.125	-34.671	-24.096	-20.738	-15.931	-12.894
5	-22.892	-16.727	-11.349	-36.477	-28.012	-27.487	-22.203	-20.449	-18.631	-11.475
6	-20.455	-17.344	-13.945	-33.935	-36.049	-35.756	-22.137	-23.523	-17.99	-13.499
7	-23.451	-16.032	-13.975	-34.573	-32.802	-29.367	-21.534	-21.097	-16.441	-12.792
8	-21.539	-15.649	-11.613	-34.975	-36.706	-30.772	-24.016	-21.414	-16.138	-11.187
9	-20.208	-16.442	-13.321	-33.741	-33.954	-34.216	-24.259	-20.863	-16.373	-12.487
10	-19.342	-16.776	-12.609	-32.262	-31.186	-34.163	-23.419	-22.239	-17.506	-13.872
11	-22.747	-15.459	-13.231	-29.931	-31.643	-34.043	-22.357	-23.107	-15.459	-11.959
12	-20.071	-18.304	-12.868	-30.607	-26.409	-32.414	-24.979	-23.254	-18.104	-11.653
13	-23.552	-15.623	-12.273	-35.726	-36.802	-32.772	-24.746	-20.896	-15.647	-13.015
14	-21.996	-18.391	-12.585	-28.189	-29.611	-29.512	-23.795	-20.322	-17.639	-12.961
15	-21.052	-16.02	-13.783	-28.162	-34.235	-31.209	-24.628	-23.966	-17.395	-12.217
16	-19.443	-17.166	-13.967	-33.401	-31.082	-35.889	-21.449	-22.098	-17.785	-12.586
17	-23.818	-18.384	-12.95	-37.024	-29.569	-34.51	-24.188	-23.035	-18.966	-13.256
18	-20.275	-16.668	-11.458	-29.116	-28.149	-34.557	-23.679	-21.731	-18.085	-13.873
19	-20.051	-17.819	-12.17	-31.882	-33.112	-32.476	-23.693	-22.014	-18.139	-12.259
20	-23.748	-17.27	-12.975	-32.066	-26.962	-34.331	-21.696	-23.101	-15.272	-11.491
21	-19.398	-18.758	-12.709	-36.291	-30.379	-36.841	-24.31	-19.65	-17.225	-13.647
22	-21.448	-17.776	-12.375	-32.297	-26.887	-28.086	-22.743	-20.836	-17.138	-12.013
23	-22.947	-15.859	-14.012	-30.493	-33.589	-26.146	-20.64	-22.995	-17.984	-12.527
24	-20.338	-18.503	-11.149	-35.198	-34.927	-33.543	-20.285	-21.522	-18.934	-13.009
25	-23.665	-17.275	-11.7	-35.883	-33.912	-31.431	-24.309	-21.603	-18.953	-13.363
26	-20.097	-15.913	-11.876	-28.468	-32.724	-34.269	-22.084	-19.541	-16.884	-12.733
27	-20.303	-18.389	-12.938	-31.909	-31.19	-32.436	-24.946	-20.002	-17.074	-13.745
28	-20.318	-16.574	-13.647	-36.468	-28.367	-30.653	-21.286	-20.297	-16.51	-11.421
29	-21.422	-16.245	-13.46	-33.015	-36.168	-35.705	-22.674	-19.857	-17.667	-12.255
30	-23.929	-16.95	-13.856	-32.461	-27.076	-30.662	-22.517	-23.875	-17.551	-12.353

Parameter	DCMR1	DCMR1	DCMR1	DCMR2	DCMR2	DCMR2	DCMR2	DCMR3	DCMR3	DCMR3
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-63.02	-54.95	-43.81	-55.90	-53.18	-48.57	-39.46	-56.08	-54.20	-49.69
STD DEV =	4.82	1.82	0.60	0.55	1.81	0.64	0.39	0.54	0.81	0.58
Cpu	1.59	3.65	7.66	3.60	2.43	7.10	8.05	3.73	5.82	8.46
Cpl										
Cpk	1.59	3.65	7.66	3.60	2.43	7.10	8.05	3.73	5.82	8.46
DATA	-	-	-	-	-	-	-	-	-	-
1	-70.83	-54.957	-44.225	-55.427	-53.741	-48.721	-39.434	-55.843	-53.683	-49.743
2	-62.114	-58.507	-43.798	-55.659	-53.244	-49.135	-39.365	-55.829	-54.709	-49.727
3	-65.755	-54.312	-44.332	-55.812	-49.585	-47.88	-39.639	-56.047	-53.95	-50.146
4	-62.43	-53.753	-44.028	-55.669	-50.062	-45.821	-38.174	-56.226	-55.923	-48.502
5	-66.275	-55.103	-43.654	-55.766	-53.679	-49.371	-39.486	-55.674	-53.11	-51.159
6	-64.004	-53.45	-44.153	-56.243	-52.746	-48.543	-39.193	-56.283	-53.401	-48.568
7	-57.463	-53.967	-44.451	-56.683	-51.68	-49.055	-39.358	-56.164	-54.056	-49.92
8	-63.254	-58.44	-42.805	-55.22	-52.277	-48.357	-39.242	-55.971	-54.034	-50.333
9	-57.989	-57.691	-43.448	-56.04	-53.258	-48.558	-39.058	-55.514	-53.385	-48.818
10	-69.251	-53.885	-44.539	-56.709	-52.76	-49.559	-39.695	-55.882	-53.487	-50.298
11	-66.907	-53.405	-44.376	-55.286	-53.35	-48.274	-39.201	-56.837	-53.647	-49.476
12	-63.545	-54.298	-44.314	-56.541	-53.273	-48.561	-39.298	-55.203	-55.126	-48.913
13	-62.964	-56.759	-43.621	-55.143	-60.98	-48.956	-39.531	-55.442	-54.419	-49.703
14	-68.762	-57.656	-42.721	-55.797	-52.739	-48.629	-39.524	-55.511	-52.824	-49.451
15	-64.491	-54.959	-43.853	-55.494	-51.715	-47.96	-39.568	-55.314	-54.542	-50.049
16	-64.9	-53.96	-44.552	-56.895	-54.498	-48.554	-39.083	-56.697	-52.815	-49.922
17	-67.157	-56.941	-43.987	-56.832	-53.549	-48.727	-39.602	-56.076	-55.388	-49.796
18	-64.042	-53.31	-44.109	-56.763	-54.082	-48.69	-39.409	-56.61	-54.546	-49.12
19	-62.626	-54.24	-44.013	-55.826	-53.365	-48.486	-40.042	-56.941	-55.811	-49.543
20	-64.466	-54.066	-44.315	-55.535	-52.664	-48.719	-39.573	-56.749	-55.005	-49.818
21	-69.897	-54.774	-44.327	-56.97	-52.803	-48.292	-40.019	-55.849	-53.682	-50.4
22	-61.842	-54.006	-43.779	-55.528	-53.222	-48.642	-39.802	-55.35	-53.946	-50.03
23	-63.225	-54.614	-44.048	-55.739	-54.554	-48.124	-39.563	-56.924	-53.748	-49.659
24	-54.759	-57.872	-42.539	-55.648	-52.124	-48.648	-39.142	-55.516	-54.709	-49.397
25	-55.471	-50.644	-43.591	-55.26	-52.912	-48.614	-40.365	-56.949	-53.406	-49.193
26	-54.194	-54.167	-42.027	-55.167	-52.687	-48.191	-38.875	-56.239	-54.951	-49.572
27	-54.082	-53.182	-43.509	-55.676	-53.6	-49.235	-39.82	-56.798	-53.625	-49.746
28	-54.907	-57.201	-43.544	-55.989	-52.42	-48.962	-39.418	-55.446	-54.255	-50.351
29	-63.064	-53.74	-43.81	-55.694	-53.783	-48.912	-39.494	-56.572	-54.608	-50.306
30	-69.955	-54.595	-43.74	-56.015	-54.087	-48.827	-39.767	-55.842	-55.117	-49.095

Parameter	DCMR3	DCMR4	DCMR4	DCMR4	DCMR4	DCMR5	DCMR5	DCMR5	DCMR5	DCMR6
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-50	-40	-35	-30	-50	-40	-35	-30	-50
LowLimit										
Average =	-40.43	-55.98	-52.79	-48.68	-39.93	-56.07	-53.86	-49.74	-41.09	-56.15
STD DEV =	0.29	0.48	2.60	2.55	0.38	0.56	2.96	2.76	0.88	0.52
Cpu	12.18	4.15	1.64	1.79	8.80	3.64	1.56	1.78	4.21	3.96
Cpl										
Cpk	12.18	4.15	1.64	1.79	8.80	3.64	1.56	1.78	4.21	3.96
DATA	-	-	-	-	-	-	-	-	-	-
1	-39.976	-55.511	-53.282	-48.775	-39.84	-55.786	-54.688	-50.946	-41.435	-55.544
2	-40.205	-55.494	-52.684	-49.77	-39.895	-55.311	-54.146	-50.399	-40.703	-55.77
3	-40.668	-55.955	-52.752	-49.118	-39.705	-55.184	-53.314	-49.549	-40.816	-56.583
4	-39.88	-56.835	-39.059	-35.076	-41.697	-55.6	-39.529	-35.084	-45.581	-56.568
5	-40.58	-55.513	-53.142	-49.892	-40.052	-56.341	-54.479	-50.468	-41.475	-56.226
6	-40.337	-56.272	-53.281	-49.348	-39.495	-56.962	-54.224	-49.576	-40.588	-55.5
7	-40.633	-55.981	-52.326	-49.76	-39.84	-56.82	-55.566	-49.741	-40.843	-56.97
8	-40.38	-55.937	-52.916	-49.275	-40.034	-55.596	-54.562	-50.067	-40.643	-55.719
9	-40.236	-55.238	-52.907	-49.435	-39.593	-55.812	-54.832	-50.366	-40.857	-56.1
10	-40.658	-56.329	-53.352	-49.855	-39.918	-56.639	-54.192	-51.335	-41.38	-55.184
11	-40.214	-56.081	-52.782	-48.778	-39.612	-55.847	-53.498	-50.436	-41.154	-55.688
12	-40.122	-55.877	-53.085	-48.787	-39.925	-55.268	-53.686	-49.841	-41.249	-55.743
13	-40.536	-55.224	-52.383	-49.045	-40.137	-55.988	-53.781	-50.02	-40.989	-56.753
14	-40.386	-55.962	-53.613	-48.794	-39.774	-56.922	-54.976	-50.625	-41.222	-55.421
15	-40.814	-56.568	-53.339	-49.03	-39.983	-56.174	-55.472	-50.575	-41.094	-56.667
16	-39.88	-56.821	-53.092	-49.484	-39.971	-56.478	-51.967	-50.676	-40.805	-56.296
17	-40.55	-55.454	-53.201	-49.348	-40.05	-56.536	-53.981	-49.903	-40.708	-56.998
18	-40.395	-56.414	-53.2	-49.38	-39.736	-55.472	-51.435	-49.758	-41.176	-56.925
19	-40.47	-55.793	-53.394	-48.701	-39.917	-56.135	-54.365	-50.071	-41.147	-56.536
20	-40.337	-56.029	-53.374	-48.971	-39.944	-56.663	-53.094	-51.227	-40.336	-56.341
21	-40.311	-56.981	-53.975	-49.321	-40.035	-55.614	-54.102	-50.287	-41.109	-55.887
22	-40.531	-56.358	-53.762	-49.28	-39.758	-56.306	-55.188	-49.784	-40.814	-55.706
23	-40.115	-55.978	-53.686	-48.981	-39.899	-56.461	-54.623	-49.977	-40.82	-55.774
24	-40.821	-55.189	-53.935	-49.323	-39.753	-55.468	-54.551	-50.134	-40.686	-56.623
25	-40.797	-55.911	-53.491	-48.445	-40.117	-56.875	-54.877	-49.954	-40.852	-56.182
26	-40.668	-55.886	-53.04	-48.784	-40.275	-56.412	-54.955	-50.482	-41.104	-56.11
27	-40.342	-56.412	-53.357	-49.214	-39.91	-56.716	-54.515	-50.637	-40.667	-56.715
28	-40.156	-56.122	-53.977	-48.743	-39.852	-55.98	-53.592	-49.96	-41.03	-55.647
29	-40.96	-56.071	-54.776	-49.065	-39.488	-55.382	-59.506	-50.248	-40.701	-56.702
30	-40.88	-55.208	-52.644	-48.556	-39.666	-55.308	-54.137	-49.972	-40.614	-55.558

Parameter	DCMR6	DCMR6	DCMR6	DCMR7	DCMR7	DCMR7	DCMR7	DCMR8	DCMR8	DCMR8
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-40	-35	-30	-50	-40	-35	-30	-50	-40	-35
LowLimit										
Average =	-53.15	-49.01	-40.30	-56.14	-53.58	-49.81	-40.72	-55.98	-52.98	-48.59
STD DEV =	2.17	2.15	0.28	0.51	0.70	0.54	0.36	0.51	1.26	0.51
Cpu	2.02	2.17	12.46	4.00	6.46	9.13	10.05	3.91	3.44	8.89
Cpl										
Cpk	2.02	2.17	12.46	4.00	6.46	9.13	10.05	3.91	3.44	8.89
DATA	-	-	-	-	-	-	-	-	-	-
1	-53.291	-49.016	-40.607	-55.631	-53.109	-49.431	-40.341	-56.28	-54.362	-48.898
2	-53.995	-49.455	-40.42	-55.759	-53.596	-50.042	-40.927	-56.1	-52.535	-47.979
3	-52.739	-49.077	-39.899	-56.875	-53.608	-49.29	-40.252	-55.508	-52.895	-48.59
4	-42.1	-37.67	-40.606	-56.049	-52.553	-49.155	-40.394	-56.251	-53.33	-48.396
5	-53.839	-49.124	-40.193	-56.472	-54.128	-49.598	-40.333	-55.914	-54.384	-48.801
6	-54.126	-48.75	-40.525	-55.753	-53.777	-49.61	-40.714	-56.324	-52.959	-48.336
7	-54.416	-49.409	-40.535	-56.45	-53.753	-50.221	-40.5	-56.885	-52.496	-48.04
8	-52.775	-50.427	-40.339	-55.705	-51.517	-49.983	-41.077	-55.294	-52.815	-48.794
9	-53.085	-49.346	-40.048	-55.741	-54.547	-50.882	-40.6	-56.078	-52.119	-49.03
10	-53.243	-50.038	-40.645	-55.371	-54.308	-50.468	-40.961	-55.169	-53.329	-49.112
11	-53.137	-49.176	-40.661	-56.727	-54.516	-50.355	-40.575	-55.575	-52.408	-47.664
12	-52.687	-49.166	-40.47	-57.005	-53.801	-50.403	-40.576	-55.56	-54.726	-48.938
13	-53.394	-49.549	-40.251	-56.897	-54.273	-49.586	-41.455	-56.368	-52.56	-47.763
14	-53.463	-49.732	-40.652	-55.963	-53.445	-50.259	-40.959	-55.22	-52.97	-49.573
15	-54.318	-50.158	-40.279	-56.694	-53.9	-49.972	-41.015	-56.204	-52.514	-48.168
16	-52.664	-49.286	-40.248	-55.565	-52.938	-48.803	-40.204	-55.398	-52.836	-48.585
17	-53.571	-48.942	-40.105	-55.453	-54.183	-50.09	-40.938	-56.37	-53.336	-48.585
18	-52.415	-49.184	-39.893	-56.389	-53.533	-50.237	-40.993	-55.942	-52.533	-48.191
19	-54.53	-49.103	-39.95	-56.592	-54.324	-49.299	-40.442	-55.362	-53.146	-48.016
20	-54.681	-48.435	-39.844	-56.218	-54.278	-50.327	-40.223	-55.17	-52.563	-49.531
21	-53.532	-49.813	-40.7	-55.671	-53	-49.962	-41.171	-56.332	-49.532	-49.383
22	-53.49	-49.403	-40.076	-56.418	-52.455	-49.844	-40.87	-56.977	-53.052	-48.749
23	-55.29	-49.19	-40.516	-55.322	-53.275	-49.096	-40.588	-55.565	-52.321	-47.652
24	-53.487	-49.316	-39.928	-56.258	-52.953	-49.253	-40.239	-56.73	-53.528	-49.031
25	-53.036	-48.794	-40.634	-55.387	-54.057	-49.043	-40.478	-55.812	-52.228	-48.427
26	-53.097	-49.498	-40.265	-55.853	-53.898	-49.423	-40.579	-55.962	-54.461	-48.604
27	-52.595	-49.394	-39.877	-56.775	-52.863	-50.175	-41.259	-56.322	-52.5	-48.261
28	-53.277	-49.833	-40.233	-56.266	-53.842	-50.123	-41.445	-55.769	-53.086	-48.783
29	-53.346	-50.2	-40.511	-56.036	-54.182	-50.464	-40.985	-56.567	-57.138	-49.114
30	-54.823	-49.773	-40.07	-56.826	-52.783	-48.79	-40.623	-56.512	-50.753	-48.564

Parameter	DCMR8	Hipot
Condition:	100MHZ	1500VAC/ 60s/1mA
Pins		
Unit	dB	
HighLimit	-30	
LowLimit		
Average =	-39.85	
STD DEV =	0.23	
Cpu	14.53	
Cpl		
Cpk	14.53	
DATA	-	
1	-39.635	Pass
2	-39.372	Pass
3	-39.829	Pass
4	-40.553	Pass
5	-40.183	Pass
6	-39.944	Pass
7	-39.848	Pass
8	-39.763	Pass
9	-40.03	Pass
10	-39.797	Pass
11	-39.447	Pass
12	-40.028	Pass
13	-39.676	Pass
14	-39.963	Pass
15	-39.96	Pass
16	-39.743	Pass
17	-40.005	Pass
18	-39.454	Pass
19	-39.817	Pass
20	-39.833	Pass
21	-39.832	Pass
22	-39.992	Pass
23	-39.629	Pass
24	-40.101	Pass
25	-39.789	Pass
26	-39.906	Pass
27	-39.76	Pass
28	-39.877	Pass
29	-39.93	Pass
30	-39.792	Pass

Qualification Report _ HX6101NL

Rev A: 6/6/2025

Prepared By:
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Pulse MPO QA Sr. Supervisor

Approved By:
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HX6101NL Test Summary (Revision:A)

1. PURPOSE

This is an internal Pulse Qualification Plan to qualify part HX6101NL from CM YH.
Testing data will be reviewed after each environmental testing.

2. SCOPE

HX6101NL is produced in YH and tested in MPO.

3. REFERENCES

HX6101NL released document Rev11 and Pulse PQ2.107 series.

4. TEST SUMMARY AS BELOW:

TEST Description	Reference	Sample size	Test conditions/Remarks	Result	Remarks
Visual/mechanical examination	2.107.001	144	Using 10X magnification and appropriate mechanical measurement tools;	Pass	N/A
High Temperature Exposure (Storage)	2.107.012	38	125°C; 1000 hours.	Pass	Appendix 1
Thermal shock	2.107.008	38	100cycles (-40C to125C)	Pass	Appendix 2
Temp.& Humidity	2.107.003	38	85C/85%RH; 1000hours.	Pass	Appendix 3
Resistance to Soldering Heat	2.107.032	30	3times Reflow tests with 245C±5ºC peak temperature.	Pass	Appendix 4
Mechanical Shock	MIL-STD-202 Method 213	30	Pulse shape: half sine Nominal pulse length: 6msNumber of shocks: 6 each in both direction of each axis (total 18 shocks)	Pass	Appendix 5
Vibration	MIL-STD-202 Method 204		Pulse shape: sine wave Range of frequency 2: 10 - 2000Hz Amplitude: 5g Frequency sweep: 0.5 oct/min Duration: total 24h each of 3axis	Pass	

Abbreviation in datasheet.

DCR: Direct Current Resistance
OPSH: Open / Short; for insulation
TRP: Turn Ratio and Polarity
OCL: Open Curent inductance
BL: Balance inductance
LL: Leakage Inductance
RL: Return Loss
IL: Insertion Loss
CT: Cross Talk

Appendix 1

HX6101NL High Temperature1000hrs Electrical Test Data

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1,2,3-4,5,6	4,5,6-7,8,9	7,8,9-10,11,12	10,11,12-13,14,15	13,14,15-16,17,18	16,17,18-19,20,21	19,20,21-22,23,24	22,23,24-25,26,27	25,26,27-28,29,30	28,29,30-31,32,33
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	113.31	113.82	113.75	113.17	112.39	114.49	113.23	116.78	115.47	113.47
STD DEV =	16.55	13.55	15.30	16.97	15.71	13.91	14.09	15.34	13.60	15.73
Cpu										
Cpl	2.08	2.55	2.26	2.03	2.17	2.50	2.44	2.32	2.59	2.19
Cpk	2.08	2.55	2.26	2.03	2.17	2.50	2.44	2.32	2.59	2.19
DATA	-	-	-	-	-	-	-	-	-	-
1	137.598	110.737	108.551	93.505	90.571	110.945	105.416	140.137	112.409	134.252
2	134.346	103.783	92.548	136.702	106.292	122.557	124.877	94.411	112.262	99.035
3	113.074	130.336	114.175	87.321	121.815	110.326	97.803	107.46	117.757	91.127
4	90.099	105.519	114.641	119.25	110.084	102.225	120.375	131.105	135.316	140.155
5	119.02	131.029	124.927	139.254	103.07	112.623	111.364	112.105	99.934	100.229
6	121.592	117.98	120.554	140.629	117.776	109.037	91.991	131.067	116.761	102.808
7	87.279	127.068	121.446	106.379	110.949	95.412	137.979	91.81	124.024	113.345
8	132.284	114.303	122.056	96.313	89.784	117.298	100.162	102.471	128.679	127.953
9	101.65	116.097	139.652	134.989	108.562	113.545	116.654	132.984	128.425	108.979
10	121.563	92.712	101.807	90.754	97.911	92.08	136.499	134.115	125.199	122.146
11	110.051	96.877	118.391	124.717	128.009	135.382	124.889	121.18	121.523	123.015
12	122.821	98.841	117.094	111.061	108.662	120.094	99.988	89.364	87.398	122.891
13	110.346	103.675	99.514	118.962	134.641	92.523	104.585	124.865	101.577	139.205
14	102.751	134.85	119.393	94.58	88.372	112.193	100.495	96.117	104.395	140.963
15	93.71	103.161	137.051	96.174	139.021	96.704	115.709	130.433	108.085	117.872
16	98.407	117.915	126.71	122.387	114.504	104.824	112.209	125.982	134.105	95.205
17	134.513	120.608	139.833	99.079	128.045	138.542	122.704	90.781	133.01	106.912
18	106.526	94.67	96.006	115.389	134.235	99.242	104.091	125.841	112.67	120.579
19	102.701	110.01	90.939	95.224	94.906	119.444	89.973	118.754	120.161	108.686
20	91.55	124.677	104.813	109.634	106.547	134.069	115.222	120.217	124.254	103.606
21	106.341	89.983	87.833	126.098	95.583	134.365	109.357	131.103	98.568	127.525
22	88.79	97.441	89.183	127.476	122.494	104.682	114.778	119.695	128.036	107.136
23	96.059	96.621	134.048	127.084	88.89	102.064	102.719	118.501	108.696	128.985
24	140.65	126.347	119.038	115.139	136.961	126.042	91.528	126.521	139.659	131.572
25	128.214	130.04	128.206	92.71	91.559	122.092	126.591	139.852	137.718	118.956
26	103.995	102.244	128.645	90.937	103.442	103.183	125.271	93.529	113.251	93.842
27	105.764	130.454	109.282	114.015	130.731	128.906	124.265	108.12	112.952	94.548
28	105.335	131.701	107.737	88.85	127.146	140.732	134.169	94.839	128.202	138.425
29	103.126	112.093	120.228	117.47	125.721	102.613	110.004	123.335	109.667	114.3
30	132.417	103.979	114.487	118.118	130.004	114.41	132.877	109.923	98.39	90.39
31	116.698	100.537	119.85	116.901	110.809	109.239	97.248	93.349	122.148	117.026
32	96.789	137.144	95.982	89.12	125.192	93.564	100.301	115.021	113.825	99.994
33	120.401	131.002	93.203	140.233	104.951	116.821	91.43	137.069	123.026	129.608
34	136.941	110.707	134.835	132.79	97.581	124.821	132.856	103.66	94.482	122.705
35	138.858	115.969	87.948	135.67	99.828	137.451	137.733	123.909	108.238	88.025
36	135.721	108.377	126.165	98.104	119.655	134.923	101.751	137.05	121.12	96.284
37	87.7	111.58	121.727	134.673	90.089	108.009	113.588	123.484	92.413	93.236
38	130.262	134.011	94.046	102.923	136.274	107.529	123.369	117.566	89.593	100.51

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31,32,33-34,35,36	34,35,36-37,38,39	37,38,39-40,41,42	40,41,42-43,44,45	43,44,45-46,47,48	2-3	5-6	8-9	11-12	14-15
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	mohms	mohms	mohms	mohms	mohms
HighLimit						2000	2000	2000	2000	2000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	109.65	115.40	112.95	112.89	114.38	1,196.52	1,198.30	1,181.93	1,183.51	1,222.48
STD DEV =	12.96	14.91	15.81	13.71	13.63	23.35	17.37	12.93	14.55	13.81
Cpu						11.47	15.38	21.09	18.70	18.77
Cpl	2.56	2.36	2.17	2.50	2.55	16.93	22.80	30.21	26.88	29.27
Cpk	2.56	2.36	2.17	2.50	2.55	11.47	15.38	21.09	18.70	18.77
DATA	-	-	-	-	-	-	-	-	-	-
1	119.448	99.238	103.123	131.01	133.949	1196.961	1203.651	1192.296	1217.251	1255.701
2	116.719	131.174	123.071	109.753	111.929	1144.613	1168.173	1186.271	1197.403	1211.692
3	100.024	128.48	139.713	102.906	126.387	1203.066	1208.475	1174.205	1190.349	1219.774
4	125.781	134.4	97.08	101.346	124.838	1211.356	1194.495	1165.162	1161.968	1202.708
5	90.727	133.317	89.045	138.097	127.044	1221.938	1193.705	1176.278	1174.732	1235.25
6	108.861	127.186	108.419	135.527	118.353	1200.983	1179.733	1174.291	1176.755	1217.9
7	130.43	99.866	122.484	125.31	128.173	1177.278	1231.308	1195.763	1185.064	1234.439
8	94.737	103.408	122.798	122.922	107.446	1216.782	1225.843	1172.655	1183.553	1212.938
9	106.803	136.388	132.546	119.749	126.915	1189.836	1217.506	1163.16	1164.387	1215.042
10	110.251	97.739	126.564	92.851	127.752	1230.227	1231.674	1186.998	1191.044	1226.942
11	94.492	99.976	95.866	101.821	101.21	1204.252	1205.672	1188.962	1191.11	1244.114
12	131.423	120.114	111.702	109.341	136.338	1191.688	1195.204	1175.87	1181.8	1212.861
13	117.465	87.198	105.337	121.141	102.949	1228.169	1235.343	1221.145	1179.856	1247.808
14	122.901	121.249	108.76	102.439	116.24	1222.479	1217.453	1178.513	1178.207	1207.194
15	113.771	138.233	105.816	105.354	96.853	1202.933	1180.91	1175.856	1186.823	1193.979
16	104.627	139.466	89.572	111.539	100.064	1170.913	1188.801	1181.852	1166.856	1244.005
17	93.489	131.767	102.443	91.221	132.57	1220.114	1213.304	1180.648	1178.362	1224.025
18	97.406	127.322	105.149	114.416	123.561	1229.146	1188.854	1180.335	1223.642	1212.857
19	105.183	110.135	121.561	116.365	113.156	1203.046	1191.046	1167.318	1181.475	1222.537
20	103.796	103.76	134.793	91.009	121.876	1185.757	1185.78	1166.948	1162.162	1213.956
21	107.556	129.228	109.263	126.362	108.828	1227.406	1191.71	1177.031	1183.777	1234.24
22	133.15	102.222	94.158	101.698	90.605	1221.17	1194.618	1193.422	1177.138	1223.829
23	95.161	116.078	128.921	126.723	98.005	1187.595	1174.409	1181.737	1181.022	1207.618
24	92.429	118.107	134.104	103.637	126.293	1205.048	1175.08	1159.622	1183.483	1212.994
25	105.797	133.876	89.927	116.468	128.679	1132.337	1195.084	1203.068	1171.916	1228.814
26	136.452	119.618	93.949	91.942	109.54	1211.561	1218.978	1178.445	1166.271	1247.683
27	117.963	120.902	130.276	130.771	120.863	1211.251	1185.121	1164.897	1185.889	1219.252
28	110.207	96.388	116.407	112.044	88.854	1195.565	1200.324	1199.097	1167.886	1224.796
29	101.303	105.998	140.853	110.627	128.924	1147.539	1178.124	1180.897	1185.048	1220.139
30	90.879	106.6	102.68	127.572	112.428	1176.097	1210.669	1198.112	1190.125	1215.832
31	123.658	94.674	137.938	115.362	90.27	1200.234	1203.567	1191.178	1191.499	1225.505
32	105.523	98.777	98.264	132.555	125.427	1178.996	1170.503	1187.339	1161.63	1206.158
33	121.143	123.618	124.806	122.646	96.994	1172.193	1197.586	1205.975	1183.999	1197.413
34	88.614	115.798	93.705	105.097	89.998	1174.156	1184.355	1191.852	1177.306	1220.672
35	127.479	92.176	121.851	132.727	118.086	1197.845	1221.518	1176.203	1224.424	1227.07
36	108.285	122.029	91.152	90.717	120.232	1203.583	1189.541	1170.767	1191.447	1227.313
37	105.442	96.517	110.37	101.388	106.932	1177.883	1192.808	1176.383	1185.389	1231.562
38	107.367	122.294	127.811	97.421	107.911	1195.737	1194.632	1172.73	1192.176	1227.663

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	20-21	23-24	25-26	28-29	31-32	34-35	37-38	40-41	43-44
Unit	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms
HighLimit	2000	2000	2000	1000	1000	1000	1000	1000	1000	1000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	1,189.21	1,191.58	1,215.75	398.01	396.50	396.33	401.20	390.83	417.86	419.09
STD DEV =	30.60	14.75	16.52	6.35	7.19	5.21	6.96	6.76	55.34	21.32
Cpu	8.83	18.27	15.83	31.62	27.97	38.60	28.68	30.06	3.51	9.08
Cpl	12.85	26.70	24.33	20.38	17.91	24.70	18.74	18.79	2.46	6.40
Cpk	8.83	18.27	15.83	20.38	17.91	24.70	18.74	18.79	2.46	6.40
DATA	-	-	-	-	-	-	-	-	-	-
1	1280.025	1184.919	1258.122	391.505	372.177	393.821	418.353	393.842	410.333	395.501
2	1165.577	1170.089	1193.161	389.078	394.794	391.15	409.381	391.644	408.088	396.824
3	1188.329	1187.601	1219.69	397.754	389.876	394.776	398.916	386.417	400.884	407.116
4	1200.9	1206.355	1213.982	403.775	401.131	396.779	391.176	377.377	394.634	395.961
5	1180.968	1164.821	1216.107	402.922	393.038	397.108	403.395	393.95	406.33	405.19
6	1259.396	1171.369	1196.033	412.703	395.728	402.582	400.56	390.506	405.79	410.458
7	1181.522	1191.413	1200.846	403.614	405.432	399.131	400.358	397.757	404.36	422.812
8	1185.639	1186.22	1198.36	396.821	397.039	394.147	393.279	414.517	400.926	412.119
9	1201.512	1185.731	1235.062	400.69	392.694	398.996	398.991	384.205	397.106	409.238
10	1173.195	1198.075	1195.859	393.155	395.378	387.598	405.369	386.302	406.236	429.101
11	1171.997	1225.359	1209.015	394.884	400.867	397.523	420.407	389.285	407.619	403.811
12	1166.848	1175.766	1207.701	397.494	393.057	403.211	414.519	391.286	407.654	409.557
13	1189.554	1198.233	1230.477	402.551	388.647	390.581	399.53	386.792	400.631	398.679
14	1170.676	1193.216	1206.722	404.716	398.745	391.249	395.902	385.464	403.668	445.885
15	1178.89	1196.726	1184.275	416.591	396.401	414.651	398.081	403.805	735.615	457.324
16	1174.64	1182.131	1199.274	389.704	397.171	392.252	396.675	389	409.866	403.151
17	1195.288	1200.855	1239.257	400.603	397.984	395.479	406.284	393.05	410.545	412.634
18	1305.396	1195.501	1208.524	393.899	392.856	400.604	386.124	405.22	428.629	461.881
19	1177.005	1195.551	1224.921	397.328	394.661	392.171	394.514	391.853	419.449	407.153
20	1167.601	1224.819	1229.335	395.565	392.487	392.08	398.503	387.138	404.938	407.542
21	1206.455	1180.244	1214.648	390.389	392.568	401.795	402.613	388.726	405.788	434.021
22	1168.987	1173.009	1242.972	404.064	384.89	390.218	395.909	396.513	405.607	482.59
23	1182.171	1197.339	1213.586	400.932	394.118	393.518	397.188	386.397	406.264	478.435
24	1195.21	1188.158	1218.792	394.713	399.983	398.374	398.125	386.513	400.554	437.218
25	1175.844	1203.692	1235.383	397.713	403.465	394.974	406.059	393.279	510.992	415.937
26	1193.599	1189.044	1217.431	393.412	396.282	396.247	405.641	385.332	403.243	398.304
27	1174.877	1192.041	1214.071	396.963	395.256	397.552	398.995	385.136	402.638	423.087
28	1177.968	1167.398	1195.699	390.629	393.16	395.461	401.017	386.65	412.526	432.918
29	1148.453	1187.444	1198.24	396.718	395.134	394.671	408.794	381.115	397.126	421.115
30	1168.643	1191.463	1202.173	388.747	394.742	392.194	396.845	389.543	407.488	413.231
31	1196.367	1191.594	1196.182	396.312	399.569	400.65	398.473	395.909	399.118	410.566
32	1170.154	1169.893	1213.67	400.057	399.459	391.71	394.839	382.133	409.085	420.104
33	1187.822	1182.195	1235.085	399.632	399.735	403.016	395.496	390.47	402.607	420.524
34	1162.763	1205.902	1212.742	396.641	394.731	391.238	396.797	391.139	401.793	410.881
35	1171.942	1210.305	1232.553	408.132	400.301	399.134	400.324	391.019	413.731	418.479
36	1187.739	1215.45	1232.814	391.95	415.527	393.977	407.252	394.974	402.694	402.125
37	1190.054	1185.58	1219.373	403.598	401.395	406.769	402.593	394.938	431.304	416.285
38	1216.071	1214.577	1236.254	388.493	416.444	393.023	408.301	392.189	402.633	397.677

Parameter	DCR	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	2-1	1-3	5-4	4-6	8-7	7-9	11-10	10-12	14-13
Unit	mohms	n	n	n	n	n	n	n	n	n
HighLimit	1000	500	500	500	500	500	500	500	500	500
LowLimit	10									
Average =	403.71	214.10	210.59	189.87	195.81	214.06	214.36	206.41	205.23	207.50
STD DEV =	9.47	6.03	5.00	14.97	4.78	2.83	3.62	4.89	3.34	3.81
Cpu	20.99	15.80	19.30	6.91	21.20	33.71	26.32	20.00	29.42	25.61
Cpl	13.86									
Cpk	13.86	15.80	19.30	6.91	21.20	33.71	26.32	20.00	29.42	25.61
DATA	-	-	-	-	-	-	-	-	-	-
1	401.756	205.126	204.364	205.24	206.819	211.584	211.164	207.683	213.62	217.906
2	390.642	205.617	206.173	208.458	197.386	213.936	213.035	205.126	206.815	206.368
3	396.705	205.237	208.837	224.619	203.221	209.448	212.322	210.098	203.34	208.614
4	401.352	206.593	205.589	210.228	197.1	212.337	210.794	206.398	201.484	208.635
5	409.182	212.884	207.617	217.851	202.082	215.422	216.132	212.552	203.794	211.553
6	408.076	214.756	209.517	195.845	195.608	216.083	214.235	204.454	203.947	206.458
7	400.789	205.111	212.875	196.054	194.054	217.279	213.802	203.582	201.793	210.961
8	397.899	209.47	210.431	210.757	199.16	208.706	209.612	217.281	214.875	205.842
9	408.873	204.318	208.765	215.918	197.688	211.674	209.493	198.001	202.269	206.244
10	402.249	205.413	212.475	206.261	202.745	214.815	213.032	212.348	210.16	206.755
11	415.601	213.466	214.461	205.925	194.07	211.666	213.836	203.91	205.297	211.855
12	403.626	215.426	214.603	192.766	199.852	212.422	217.308	200.012	204.575	205.918
13	398.625	218.008	212.795	200.615	193.487	213.989	218.637	199.647	204.642	214.088
14	402.5	220.537	216.505	188.662	192.908	212.417	217.738	201.296	200.098	208.095
15	400.783	218.415	210.977	199.751	191.788	215.906	214.013	203.304	201.924	204.624
16	402.23	221.27	217.727	210.831	200.016	217.799	217.031	203.585	202.933	213.593
17	418.821	220.091	216.888	174.59	193.378	216.534	216.285	203.256	205.115	206.127
18	398.451	211.043	214.262	181.73	204.088	212.284	211.551	213.343	207.357	206.233
19	403.901	214.733	213.494	184.308	192.273	214.639	211.872	205.201	202.576	210.389
20	398.794	215.446	212.382	180.977	192.843	211.469	210.911	209.081	203.003	207.937
21	413.835	212.824	216.711	184.619	196.168	216.218	219.141	209.088	207.964	206.84
22	392.532	215.789	211.458	179.583	189.832	215.774	219.909	207.231	202.57	207.555
23	401.914	218.75	212.657	178.074	200.285	210.592	211.84	214.21	204.66	204.792
24	402.428	216.853	214.412	171.882	192.469	213.425	213.87	207.815	204.977	205.225
25	449.17	225.967	211.758	180.823	191.024	214.038	220.33	203.68	201.639	207.177
26	411.646	222.123	212.493	178.968	196.64	214.208	220.765	204.341	206.302	215.041
27	405.233	208.924	212.019	176.388	191.162	212.409	213.362	210.834	211.079	204.001
28	399.674	212.462	211.756	180.359	197.276	218.014	218.807	205.516	205.396	205.869
29	394.982	225.02	216.608	177.736	193.64	216.749	212.442	206.07	202.009	206.359
30	400.207	213.447	212.626	183.028	199.398	219.18	215.273	208.452	208.255	208.677
31	403.543	222.35	214.943	178.056	199.923	215.213	215.899	207.243	204.771	210.029
32	403.847	215.049	210.25	180.608	194.154	217.171	215.383	209.308	202.987	202.511
33	401.278	216.607	209.663	178.873	200.775	219.244	222.156	211.468	207.756	209.298
34	397.423	224.076	207.427	176.804	188.68	217.421	215.744	206.085	204.768	203.345
35	397.074	213.031	197.464	173.445	193.705	211.904	212.898	208.038	210.056	200.141
36	403.091	210.723	199.541	175.648	191.526	212.457	208.277	208.807	206.698	204.023
37	397.496	205.964	200.037	176.656	185.066	207.152	207.267	204.911	201.817	207.051
38	404.602	213.059	200	172.098	188.332	212.872	209.509	190.19	205.531	198.784

Parameter	LL	LL	LL	LL	LL	LL	LL	BL	BL	BL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	13-15	17-16	16-18	20-19	19-21	23-22	22-24	2-1:1-3	5-4:4-6	8-7:7-9
Unit	n	n	n	n	n	n	n	*1	*1	*1
HighLimit	500	500	500	500	500	500	500	1.2	1.2	1.2
LowLimit								0.8	0.8	0.8
Average =	217.73	202.88	206.94	202.51	197.79	200.57	224.67	1.02	0.96	1.00
STD DEV =	4.42	6.56	5.65	3.94	3.16	3.92	3.36	0.03	0.04	0.01
Cpu	21.28	15.09	17.29	25.18	31.93	25.43	27.30	2.16	1.98	5.06
Cpl								2.56	1.37	5.00
Cpk	21.28	15.09	17.29	25.18	31.93	25.43	27.30	2.16	1.37	5.00
DATA	-	-	-	-	-	-	-	-	-	-
1	224.152	206.759	211.167	196.789	199.587	208.838	230.001	1.004	0.992	1.002
2	219.458	208.296	210.947	200.828	198.01	199.232	219.812	0.997	0.956	1.004
3	221.016	208.807	213.437	200.716	201.517	198.134	221.236	0.983	0.905	0.986
4	221.144	207.711	208.349	202.451	198.814	199.768	223.231	1.005	1.007	1.007
5	224.871	205.601	207.409	204.695	197.888	195.73	222.508	1.025	1.008	0.997
6	218.241	208.409	211.072	202.681	197.497	193.793	218.985	1.025	1.001	1.009
7	221.68	204.038	206.782	207.287	204.146	194.499	223.847	0.964	1.01	1.016
8	214.906	201.48	208.605	201.033	195.944	196.053	222.12	0.995	1.008	0.996
9	219.64	209.54	209.62	203.135	195.578	198.212	224.272	0.979	1.002	1.01
10	216.592	202.889	206.152	209.718	202.134	193.142	222.551	0.967	1.017	1.008
11	219.808	208.237	210.377	206.189	199.548	206.441	229.533	0.995	1.001	0.99
12	213.385	209.308	205.336	211.234	195.502	193.875	224.343	1.004	0.965	0.978
13	225.089	205.895	215.653	203.998	192.334	199.038	222.896	1.024	1.037	0.979
14	216.473	203.298	207.277	206.161	197.517	205.199	226.238	1.019	0.978	0.976
15	208.278	206.615	209.545	205.742	199.908	200.701	224.051	1.035	1.002	1.009
16	223.089	207.601	208.13	204.811	194.018	200.553	223.33	1.016	1.004	1.004
17	213.345	206.536	211.063	197.103	194.586	208.692	228.223	1.015	0.903	1.001
18	218.592	203.676	210.893	197.43	192.108	199.083	221.08	0.985	0.99	1.003
19	224.248	203.5	206.411	193.981	196.054	207.192	224.281	1.006	0.959	1.013
20	221.16	207.708	209.505	201.586	200.218	198.706	226.849	1.014	0.938	1.003
21	221.079	206.949	211.225	194.639	194.06	201.153	229.612	0.982	0.941	0.987
22	214.373	196.861	201.924	203.317	200.754	203.875	232.438	1.02	0.946	0.981
23	213.647	202.399	204.301	197.436	193.341	204.43	229.213	1.029	0.989	0.994
24	221.642	202.887	208.571	199.148	197.307	203.474	220.67	1.011	0.993	0.998
25	214.569	200.832	207.489	205.137	196.744	202.362	224.512	1.067	0.947	0.971
26	220.22	204.808	208.302	197.213	195.569	199.828	221.379	1.045	0.91	0.97
27	215.216	204.961	210.164	201.905	197.806	200.641	227.12	0.985	0.923	0.996
28	217.718	202.194	210.912	201.317	193.693	199.643	223.919	1.003	0.914	0.996
29	216.526	200.404	208.049	201.216	198.68	201.619	226.679	1.039	0.918	1.02
30	224.314	206.329	209.113	204.302	198.576	206.226	217.442	1.004	0.918	1.018
31	216.946	207.943	208.883	202.691	197.273	198.885	223.223	1.034	0.891	0.997
32	211.326	198.66	207.805	210.123	203.518	198.509	223.471	1.023	0.93	1.008
33	210.004	204.511	207.459	200.317	196.974	199.999	225.838	1.033	0.991	0.987
34	214.412	199.835	202.225	202.848	205.673	199.904	231.081	1.08	0.937	1.008
35	210.265	183.338	193.804	203.376	196.209	198.048	226.921	1.079	0.995	0.995
36	216.619	186.911	190.628	205.72	198.305	201.911	224.7	1.056	0.917	1.02
37	211.867	188.533	193.149	204.358	201.962	200.128	223.093	1.03	0.955	0.999
38	217.647	185.205	191.911	202.83	196.739	204.327	226.693	1.065	0.914	1.016

Parameter	BL	BL	BL	BL	BL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-10: 10-12	14-13: 13-15	17-16: 16-18	20-19: 19-21	23-22: 22-24	1-2,3	4-5,6	7-8,9	10-11,12	13-14,15
Unit	*1	*1	*1	*1	*1	nH	nH	nH	nH	nH
HighLimit	1.2	1.2	1.2	1.2	1.2	110	110	110	110	110
LowLimit	0.8	0.8	0.8	0.8	0.8					
Average =	1.01	0.95	0.98	1.02	0.89	59.65	60.40	63.52	61.21	61.01
STD DEV =	0.02	0.02	0.01	0.02	0.02	3.35	3.36	2.30	2.71	2.49
Cpu	2.96	5.05	5.18	3.00	6.03	5.02	4.92	6.73	5.99	6.55
Cpl	3.14	3.14	4.26	3.81	1.82					
Cpk	2.96	3.14	4.26	3.00	1.82	5.02	4.92	6.73	5.99	6.55
DATA	-	-	-	-	-	-	-	-	-	-
1	0.972	0.972	0.979	0.986	0.908	48.381	57.317	60.275	62.489	64.572
2	0.992	0.94	0.987	1.014	0.906	54.605	57.397	62.164	58.38	60.414
3	1.033	0.944	0.978	0.996	0.896	54.737	57.696	62.005	59.422	57.703
4	1.024	0.943	0.997	1.018	0.895	55.355	54.927	62.061	60.318	63.041
5	1.043	0.941	0.991	1.034	0.88	57.418	58.449	64.495	62.1	64.796
6	1.002	0.946	0.987	1.026	0.885	58.751	55.154	64.251	59.627	58.985
7	1.009	0.952	0.987	1.015	0.869	56.932	54.601	64.015	58.267	64.771
8	1.011	0.958	0.966	1.026	0.883	60.918	60.667	58.525	69.347	59.235
9	0.979	0.939	1	1.039	0.884	56.58	53.654	63.485	57.825	60.444
10	1.01	0.955	0.984	1.038	0.868	62.461	66.779	61.316	69.339	58.198
11	0.993	0.964	0.99	1.033	0.899	63.733	57.599	63.176	63.622	63.221
12	0.978	0.965	1.019	1.08	0.864	65.559	55.795	62.884	61.628	60.359
13	0.976	0.951	0.955	1.061	0.893	63.667	57.146	62.479	59.939	64.827
14	1.006	0.961	0.981	1.044	0.907	58.653	57.207	61.593	59.589	62.768
15	1.007	0.982	0.986	1.029	0.896	57.177	57.893	60.67	60.622	60.01
16	1.003	0.957	0.997	1.056	0.898	60.321	63.057	64.808	59.946	62.688
17	0.991	0.966	0.979	1.013	0.914	59.327	58.304	64.368	57.73	59.762
18	1.029	0.943	0.966	1.028	0.901	60.427	63.419	62.491	61.951	62.895
19	1.013	0.938	0.986	0.989	0.924	61.283	63.05	63.016	59.342	62.175
20	1.03	0.94	0.991	1.007	0.876	60.105	59.682	59.532	60.076	60.989
21	1.005	0.936	0.98	1.003	0.876	64.582	61.364	61.55	63.552	62.892
22	1.023	0.968	0.975	1.013	0.877	62.551	61.261	64.713	60.525	59.968
23	1.047	0.959	0.991	1.021	0.892	58.432	63.187	60.809	61.854	57.461
24	1.014	0.926	0.973	1.009	0.922	60.404	60.21	63.854	60.427	63.546
25	1.01	0.966	0.968	1.043	0.901	62.565	64.003	66.933	57.639	58.639
26	0.99	0.976	0.983	1.008	0.903	61.808	61.994	66.187	59.71	65.093
27	0.999	0.948	0.975	1.021	0.883	58.312	64.14	62.45	66.212	56.967
28	1.001	0.946	0.959	1.039	0.892	60.357	63.998	66.893	62.278	62.048
29	1.02	0.953	0.963	1.013	0.889	63.825	58.391	65.262	59.344	56.947
30	1.001	0.93	0.987	1.029	0.948	58.644	66.102	67.225	62.885	65.432
31	1.012	0.968	0.996	1.027	0.891	60.513	62.773	65.496	60.465	61.049
32	1.031	0.958	0.956	1.032	0.888	55.533	65.119	63.853	58.422	56.396
33	1.018	0.997	0.986	1.017	0.886	56.707	62.538	69.797	62.935	60.602
34	1.006	0.948	0.988	0.986	0.865	61.849	62.971	67.133	61.317	58.994
35	0.99	0.952	0.946	1.037	0.873	61.361	61.478	63.613	64.629	60.693
36	1.01	0.942	0.981	1.037	0.899	59.17	62.6	64.276	61.967	59.597
37	1.015	0.977	0.976	1.012	0.897	60.086	60.884	64.064	60.612	61.19
38	0.925	0.913	0.965	1.031	0.901	63.674	62.527	62.156	59.554	58.984

Parameter	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17,18	19-20,21	22-23,24	2-3	5-6	8-9	11-12	14-15	17-18	20-21
Unit	nH	nH	nH	nH	nH	nH	nH	nH	nH	nH
HighLimit	110	110	110	500	500	500	500	500	500	500
LowLimit										
Average =	49.34	49.62	68.25	204.49	167.98	205.75	202.07	202.20	194.21	183.57
STD DEV =	3.40	2.69	6.85	13.74	13.58	7.64	4.61	8.94	22.34	8.59
Cpu	5.94	7.48	2.03	7.17	8.15	12.84	21.55	11.11	4.56	12.27
Cpl										
Cpk	5.94	7.48	2.03	7.17	8.15	12.84	21.55	11.11	4.56	12.27
DATA	-	-	-	-	-	-	-	-	-	-
1	57.71	48.913	67.643	208.497	195.959	201.719	209.797	216.447	207.005	187.729
2	55.558	45.657	59.688	198.122	191.01	207.727	205.256	208.264	207.505	197.962
3	56.756	48.293	59.588	200.201	197.914	197.653	202.37	209.055	201.209	191.131
4	54.04	49.09	60.198	194.534	179.22	196.912	195.623	205.44	198.639	199.838
5	52.151	48.227	57.196	203.649	186.651	203.332	200.807	214.386	200.471	194.574
6	55.879	50.332	57.762	204.285	175.78	203.84	200.549	209.955	205.198	186.094
7	51.253	47.281	57.899	199.417	174.213	203.634	201.405	207.163	202.974	208.893
8	51.625	48.349	61.321	200.768	186.075	201.208	209.045	199.139	199.062	176.166
9	52.061	48.609	60.525	201.306	189.685	195.729	196.287	203.301	204.519	178.22
10	48.294	55.174	56.702	205.83	178.665	199.933	201.631	209.277	201.283	177.322
11	52.936	51.403	65.029	205.258	167.203	199.026	198.781	202.709	201.609	178.494
12	47.952	48.87	57.241	212.348	174.375	209.553	196.776	198.95	205.86	177.445
13	51.164	46.194	57.806	211.042	170.005	206.718	196.754	208.347	209.443	175.746
14	45.878	52.47	69.688	220.311	169.224	209.439	198.526	199.627	202.217	172.306
15	47.183	47.746	66.496	207.965	164.868	217.694	201.564	190.268	215.608	187.151
16	49.561	48.177	64.745	213.208	162.913	205.922	200.506	220.45	200.975	179.515
17	48.522	45.367	71.54	217.834	159.523	209.452	206.42	205.953	205.809	176.791
18	47.552	46.123	65.196	211.899	172.547	203.751	210.532	201.775	199.393	172.421
19	46.48	50.507	69.888	209.487	158.788	204.84	198.027	215.824	202.051	168.157
20	50.337	52.647	70.379	210.862	163.706	208.94	201.896	210.97	199.298	179.39
21	49.767	46.197	73.251	208.463	166.302	225.092	197.791	208.169	207.311	184.115
22	44.907	52.662	74.169	205.192	154.34	212.837	195.711	209.187	186.315	184.441
23	48.928	45.742	74.498	211.769	166.868	204.945	211.443	199.686	194.584	182.339
24	45.527	49.949	74.41	214.465	154.748	206.277	202.84	203.132	203.481	179.319
25	45.539	53.943	74.614	213.319	156.405	212.558	199.033	196.378	202.081	177.567
26	48.587	49.206	71.552	215.133	163.774	208.345	205.784	202.626	198.908	176.588
27	47.049	49.273	74.897	209.75	154.066	208.831	204.682	199.822	212.876	181.702
28	48.976	50.519	74.255	206.155	165.061	212.838	195.39	194.088	198.835	176.926
29	46.721	49.674	74.817	215.169	168.784	205.706	199.619	201.813	199.845	181.911
30	49.389	51.892	72.855	213.334	166.055	208.081	204.404	196.105	204.163	179.164
31	50.775	50.809	74.656	213.959	170.886	214.297	208.619	201.938	198.138	184.622
32	46.877	57.798	72.466	215.462	161.122	215.459	201.265	199.849	194.013	182.456
33	48.398	48.657	75.708	208.435	175.305	217.779	206.768	196.613	193.629	183.793
34	43.495	50.52	77.406	211.265	155.735	207.562	195.718	190.892	188.868	194.086
35	45.615	51.153	71.371	164.79	156.601	198.426	203.633	174.04	129.769	178.699
36	48.432	48.848	75.785	172.191	148.816	192.828	206.764	189.754	124.868	196.716
37	45.556	52.079	72.772	166.641	139.12	184.846	198.134	186.524	146.67	192.497
38	47.329	47.202	77.41	168.478	141.046	194.653	208.456	195.623	125.373	193.468

Parameter	LL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-24	2-3	5-6	8-9	11-12	14-15	17-18	20-21	23-24	47-46
Unit	nH	uH	uH	uH	uH	uH	uH	uH	uH	*1
HighLimit	500									1.02
LowLimit		120	120	120	120	120	120	120	120	0.98
Average =	192.56	369.74	293.36	280.09	294.66	298.50	312.94	305.61	296.15	1.00
STD DEV =	4.68	15.18	17.24	17.68	13.88	19.28	12.40	15.26	19.90	0.00
Cpu	21.89									41.59
Cpl		5.48	3.35	3.02	4.20	3.09	5.19	4.05	2.95	41.70
Cpk	21.89	5.48	3.35	3.02	4.20	3.09	5.19	4.05	2.95	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	190.58	373.591	283.912	298.576	308.028	312.792	329.589	301.46	311.496	1
2	185.976	357.343	311.764	266.002	291.195	312.666	330.351	301.927	288.078	1
3	188.421	369.955	316.536	282.364	302.761	298.67	310.493	299.232	293.658	1
4	191.455	353.229	270.906	281.469	298.93	292.24	306.517	322.872	294.121	1
5	196.272	392.738	324.234	278.143	276.486	307.703	335.442	296.853	310.973	1
6	186.322	362.384	274.504	275.294	284.287	312.496	307.058	304.812	269.066	1
7	189.303	370.713	288.984	269.214	280.4	299.29	312.112	314.389	308.798	1
8	184.325	383.371	312.177	290.561	312.763	283.155	310.449	313.087	287.785	1
9	201.494	386.111	308.416	234.884	296.629	300.021	319.664	311.639	317.417	1
10	187.15	391.732	304.228	280.137	281.91	301.893	309.346	282.887	293.261	1
11	199.425	381.663	283.708	280.684	263.92	294.34	307.682	293.976	277.137	1
12	191.374	397.318	317.479	288.542	316.453	243.106	326.096	305.919	312.72	1.001
13	190.843	404.821	269.24	274.809	304.475	320.947	329.415	290.958	278.789	1
14	197.7	355.764	313.534	296.35	302.605	269.729	311.21	302.821	300.335	1
15	191.622	346.463	285.235	278.293	288.364	305.247	326.112	318.037	312.512	1
16	191.183	381.601	307.668	297.085	267.167	294.852	308.192	285.946	311.428	1
17	200.237	360.209	268.316	233.034	275.936	275.311	311.354	304.841	295.808	1
18	186.797	384.41	309.214	301.542	288.102	298.39	308.155	308.567	280.018	1
19	195.548	387.778	306.391	277.49	303.696	322.23	330.315	295.368	324.443	1
20	186.398	384.905	278.693	277.79	313.795	283.092	323.418	286.128	296.738	1
21	191.737	368.251	304.979	293.139	303.775	329.883	325.986	323.812	300.734	1
22	204.242	368.484	286.474	283.277	281.52	324.307	297.192	295.336	319.062	1
23	193.489	355.695	276.321	282.013	302.42	270.849	283.051	326.895	309.086	1
24	189.884	366.824	289.196	290.759	313.619	285.214	327.35	311.387	315.431	1
25	191.552	363.548	308.34	272.996	284.12	259.277	308.948	306.518	289.67	1
26	188.141	368.077	283.899	284.596	293.861	294.033	302.228	315.446	292.471	1
27	191.814	366.775	291.73	272.382	301.496	322.519	306.258	313.203	331.495	1
28	194.282	362.666	321.384	294.272	294.855	291.57	323.101	305.001	319.163	1
29	197.782	364.333	290.624	288.268	308.094	322.048	317.443	309.516	250.833	1
30	195.779	354.368	274.637	300.443	325.179	263.005	332.47	314.74	268.881	1
31	185.745	352.374	293.008	280.582	275.853	310.206	291.064	266.053	262.502	1
32	198.613	360.663	256.477	309.91	295.554	308.768	302.885	308.333	317.265	1
33	193.302	334.152	294.042	311.974	295.572	315.8	302.29	316.723	312.738	1
34	195.095	362.382	258.305	259.358	296.481	297.188	306.801	327.522	258.563	1
35	193.871	362.776	291.118	283.021	305.291	301.446	305.355	260.93	256.904	1
36	191.494	375.343	297.046	272.447	291.353	306.619	297.166	327.791	293.612	1
37	192.804	351.841	299.046	235.61	278.752	308.274	312.371	320.29	299.835	1
38	195.293	385.439	295.905	266.193	291.408	303.699	296.727	321.907	290.785	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	2-3	44-43	5-6	41-40	8-9	38-37	11-12	35-34	14-15	32-31
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	39.62	41.59	13.57	41.59	41.59	29.78	16.50	41.59	39.62	41.59
Cpl	43.68	41.70	14.08	41.70	41.70	29.93	17.90	41.70	43.68	41.70
Cpk	39.62	41.59	13.57	41.59	41.59	29.78	16.50	41.59	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1	1	1	1	1.001	1	1.001	1
2	1.001	1	1	1	1	1	1.001	1	1.001	1
3	1.001	1	1	1	1	1	1.001	1	1.001	1
4	1.001	1	1.001	1	1	1	1.001	1	1.001	1
5	1.001	1	1	1	1	1	1.001	1	1.001	1
6	1.001	1	1.001	1	1	1	1.001	1	1.001	1
7	1.001	1	1.001	1	1	1	1.001	1	1.001	1
8	1.001	1	1	1	1	1	1.001	1	1.001	1
9	1.001	1	1	1	1	1	1.001	1	1.001	1
10	1.001	1	1.001	1	1	1	1.001	1	1.001	1
11	1.001	1	1	1	1	1.001	1.001	1	1.001	1
12	1.001	1	1	1.001	1	1	1.001	1	1.001	1
13	1.001	1	1.001	1	1	1	1	1	1	1
14	1.001	1	1.001	1	1.001	1	1	1	1.001	1
15	1.001	1	1	1	1	1	1.001	1	1.001	1
16	1.001	1.001	1	1	1	1	1.001	1.001	1.001	1
17	1.001	1	1.001	1	1	1	1.001	1	1.001	1
18	1.001	1	1	1	1	1	1.001	1	1.001	1
19	1.001	1	1	1	1	1	1	1	1.001	1
20	1.001	1	1	1	1	1	1	1	1.001	1
21	1.001	1	1	1	1	1	1.001	1	1.001	1
22	1.001	1	1.001	1	1	1	1.001	1	1.001	1
23	1.001	1	1.001	1	1	1.001	1	1	1.001	1
24	1.001	1	1	1	1	1	1.001	1	1.001	1
25	1.001	1	1	1	1	1	1.001	1	1.001	1.001
26	1.001	1	1	1	1	1	1.001	1	1.001	1
27	1.001	1	1	1	1	1	1.001	1	1.001	1
28	1.001	1	1.001	1	1	1	1.001	1	1.001	1
29	1.001	1	1	1	1	1	1	1	1.001	1
30	1.001	1	1.001	1	1	1	1	1	1.001	1
31	1.001	1	1.001	1	1	1	1.001	1	1.001	1
32	1.001	1	1.001	1	1	1	1.001	1	1.001	1
33	1.001	1	1	1	1	1	1.001	1	1.001	1
34	1.001	1	1.001	1	1	1	1.001	1	1.001	1
35	1.001	1	1	1	1	1	1.001	1	1.001	1
36	1	1	1	1	1	1	1.001	1	1.001	1
37	1.001	1	1	1	1	1	1.001	1	1.001	1
38	1.001	1	1	1	1	1	1.001	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	29-28	20-21	26-25	23-24	2-1	1-3	5-4	4-6	8-7
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	39.62	29.78	39.62	41.59	14.94	41.59	43.68	41.59	43.68	41.70
Cpl	43.68	29.93	43.68	41.70	15.34	41.70	39.62	41.70	39.62	41.59
Cpk	39.62	29.78	39.62	41.59	14.94	41.59	39.62	41.59	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
2	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
3	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
4	1.001	1	1.001	1	1	1	0.999	1	0.999	1
5	1.001	1	1.001	1	1	1	0.999	1	0.999	1
6	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
7	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
8	1.001	1	1.001	1	1	1	1	1	0.999	1
9	1.001	1	1.001	1	1	1	0.999	1	0.999	1
10	1.001	1	1.001	1	1	1	0.999	1	0.999	1
11	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
12	1.001	1	1.001	1	1	1	0.999	1	0.999	1
13	1.001	1.001	1.001	1	1.001	1	0.999	1	0.999	1
14	1.001	1	1	1	1	1	0.999	1	0.999	1
15	1.001	1	1.001	1	1	1.001	0.999	1	0.999	1
16	1.001	1	1.001	1	1	1	0.999	1	0.999	1
17	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
18	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
19	1.001	1	1.001	1	1	1	0.999	1	0.999	1
20	1.001	1.001	1.001	1	1	1	0.999	1	0.999	1
21	1.001	1	1.001	1.001	1	1	0.999	1	1	1
22	1.001	1	1.001	1	1	1	0.999	1	0.999	1
23	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
24	1.001	1	1.001	1	1	1	0.999	1	0.999	0.999
25	1	1	1.001	1	1	1	0.999	1.001	0.999	1
26	1.001	1	1.001	1	1	1	0.999	1	0.999	1
27	1.001	1	1.001	1	1	1	0.999	1	0.999	1
28	1.001	1	1.001	1	1	1	0.999	1	0.999	1
29	1.001	1	1.001	1	1	1	0.999	1	0.999	1
30	1.001	1	1.001	1	1	1	0.999	1	0.999	1
31	1.001	1	1.001	1	1	1	0.999	1	0.999	1
32	1.001	1	1.001	1	1	1	0.999	1	0.999	1
33	1.001	1	1.001	1	1	1	0.999	1	0.999	1
34	1.001	1	1.001	1	1	1	0.999	1	0.999	1
35	1.001	1	1.001	1	1	1	0.999	1	0.999	1
36	1.001	1	1.001	1	1	1	0.999	1	0.999	1
37	1.001	1	1.001	1	1	1	0.999	1	0.999	1
38	1.001	1	1.001	1	1	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	7-9	11-10	10-12	14-13	13-15	17-16	16-18	20-19	19-21	23-22
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	43.68	41.70	43.68	41.70	31.27	29.93	31.27	41.70	43.68	41.70
Cpl	39.62	41.59	39.62	41.59	28.44	29.78	28.44	41.59	39.62	41.59
Cpk	39.62	41.59	39.62	41.59	28.44	29.78	28.44	41.59	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
2	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
3	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
4	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
5	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
6	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
7	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
8	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
9	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
10	0.999	0.999	0.999	1	1	1	0.999	1	0.999	1
11	0.999	1	0.999	1	0.999	1	1	1	0.999	1
12	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
13	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
14	1	1	0.999	1	0.999	1	0.999	1	0.999	1
15	0.999	1	0.999	1	0.999	0.999	0.999	1	0.999	1
16	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
17	0.999	1	0.999	1	1	1	0.999	1	0.999	1
18	0.999	1	0.999	1	0.999	1	0.999	1	1	1
19	0.999	1	0.999	1	0.999	1	0.999	0.999	0.999	1
20	0.999	1	0.999	0.999	0.999	1	0.999	1	0.999	1
21	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
22	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
23	0.999	1	1	1	0.999	1	0.999	1	0.999	1
24	0.999	1	0.999	1	0.999	0.999	1	1	0.999	1
25	0.999	1	0.999	1	0.999	1	0.999	1	0.999	0.999
26	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
27	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
28	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
29	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
30	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
31	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
32	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
33	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
34	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
35	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
36	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
37	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
38	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	22-24	26-27	27-25	29-30	30-28	32-33	33-31	35-36	36-34	38-39
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	18.43	41.70	41.70	41.70	31.27	41.70	43.68	41.70	13.67	41.70
Cpl	18.14	41.59	41.59	41.59	28.44	41.59	39.62	41.59	13.04	41.59
Cpk	18.14	41.59	41.59	41.59	28.44	41.59	39.62	41.59	13.04	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	0.999	1	0.999	1	1	1
2	1	1	1	1	0.999	1	0.999	1	1	1
3	1	1	1	1	0.999	1	0.999	1	1	1
4	1	1	1	1	0.999	1	0.999	1	0.999	1
5	1	1	1	1	0.999	1	0.999	1	0.999	1
6	1	1	1	1	0.999	1	0.999	1	1	1
7	1	1	1	1	0.999	1	0.999	1	0.999	1
8	1	1	1	1	0.999	1	0.999	1	0.999	1
9	1	1	1	1	0.999	1	0.999	1	1	1
10	1	1	1	1	0.999	1	0.999	1	0.999	1
11	1	1	1	1	0.999	1	0.999	1	0.999	1
12	1	1	1	1	0.999	1	0.999	1	0.999	1
13	0.999	1	1	1	0.999	1	0.999	1	1	1
14	1	0.999	1	1	0.999	1	0.999	1	0.999	1
15	0.999	1	1	0.999	1	1	1	1	0.999	1
16	1	1	1	1	0.999	1	0.999	1	0.999	1
17	1	1	1	1	0.999	1	0.999	1	0.999	1
18	1	1	1	1	0.999	1	0.999	1	0.999	1
19	1	1	1	1	0.999	1	0.999	1	1	1
20	1	1	1	1	0.999	1	0.999	1	1	1
21	1	1	1	1	0.999	1	0.999	1	1	1
22	1	1	0.999	1	0.999	1	0.999	1	1	0.999
23	0.999	1	1	1	0.999	0.999	0.999	0.999	1	1
24	1	1	1	1	0.999	1	0.999	1	0.999	1
25	1	1	1	1	0.999	1	0.999	1	1	1
26	0.999	1	1	1	1	1	0.999	1	1	1
27	1	1	1	1	0.999	1	0.999	1	0.999	1
28	1	1	1	1	0.999	1	0.999	1	1	1
29	1	1	1	1	0.999	1	0.999	1	1	1
30	0.999	1	1	1	0.999	1	0.999	1	0.999	1
31	0.999	1	1	1	0.999	1	0.999	1	1	1
32	1	1	1	1	0.999	1	0.999	1	1	1
33	1	1	1	1	0.999	1	0.999	1	1	1
34	1	1	1	1	0.999	1	0.999	1	0.999	1
35	1	1	1	1	0.999	1	0.999	1	1	1
36	1	1	1	1	0.999	1	0.999	1	0.999	1
37	1	1	1	1	0.999	1	0.999	1	1	1
38	1	1	1	1	0.999	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1
Condition:	normal	normal	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ
Pins	39-37	41-42	42-40	44-45	45-43	47-48	48-46			
Unit	*1	*1	*1	*1	*1	*1	*1	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02			
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	-1.1	-0.5	-0.8
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-0.08	-0.16	-0.18
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.04
Cpu	14.51	41.70	43.68	41.70	43.68	41.70	43.68			
Cpl	13.59	41.59	39.62	41.59	39.62	41.59	39.62	14.01	4.06	5.14
Cpk	13.59	41.59	39.62	41.59	39.62	41.59	39.62	14.01	4.06	5.14
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	0.999	1	0.999	1	0.999	-0.109	-0.194	-0.22
2	0.999	1	0.999	1	0.999	1	0.999	-0.055	-0.134	-0.146
3	1	1	0.999	1	0.999	1	0.999	-0.076	-0.154	-0.169
4	1	1	0.999	1	0.999	1	0.999	-0.102	-0.181	-0.206
5	0.999	1	0.999	1	0.999	1	0.999	-0.116	-0.204	-0.248
6	0.999	1	0.999	1	0.999	1	0.999	-0.059	-0.145	-0.165
7	0.999	1	0.999	1	0.999	1	0.999	-0.069	-0.146	-0.154
8	1	1	0.999	1	0.999	1	0.999	-0.083	-0.166	-0.194
9	0.999	1	0.999	1	0.999	1	0.999	-0.076	-0.145	-0.164
10	0.999	1	0.999	1	0.999	1	0.999	-0.116	-0.201	-0.238
11	0.999	1	0.999	1	0.999	1	0.999	-0.068	-0.148	-0.166
12	1	1	0.999	1	0.999	1	0.999	-0.073	-0.16	-0.176
13	1	0.999	0.999	1	0.999	1	0.999	-0.069	-0.161	-0.181
14	0.999	1	0.999	1	0.999	1	0.999	-0.081	-0.168	-0.196
15	0.999	1	0.999	1	0.999	1	0.999	-0.057	-0.125	-0.148
16	0.999	1	0.999	1	0.999	1	0.999	-0.119	-0.212	-0.253
17	0.999	1	0.999	1	1	0.999	0.999	-0.117	-0.196	-0.225
18	0.999	1	0.999	1	0.999	1	0.999	-0.055	-0.136	-0.147
19	0.999	1	0.999	1	0.999	1	0.999	-0.066	-0.138	-0.144
20	1	1	0.999	1	0.999	1	0.999	-0.073	-0.137	-0.161
21	0.999	1	0.999	1	0.999	1	0.999	-0.056	-0.14	-0.148
22	0.999	1	0.999	1	0.999	1	0.999	-0.107	-0.192	-0.226
23	1	1	1	1	0.999	1	0.999	-0.059	-0.135	-0.159
24	1	1	0.999	0.999	0.999	1	0.999	-0.111	-0.193	-0.248
25	0.999	1	0.999	1	0.999	1	1	-0.071	-0.143	-0.169
26	0.999	1	0.999	1	0.999	1	0.999	-0.058	-0.117	-0.132
27	1	1	0.999	1	0.999	1	0.999	-0.072	-0.136	-0.156
28	0.999	1	0.999	1	0.999	1	0.999	-0.058	-0.128	-0.142
29	1	1	0.999	1	0.999	1	0.999	-0.076	-0.143	-0.151
30	1	1	0.999	1	0.999	1	0.999	-0.052	-0.119	-0.131
31	0.999	1	0.999	1	0.999	1	0.999	-0.065	-0.131	-0.153
32	0.999	1	0.999	1	0.999	1	0.999	-0.107	-0.183	-0.23
33	0.999	1	0.999	1	0.999	1	0.999	-0.148	-0.22	-0.283
34	0.999	1	0.999	1	0.999	1	0.999	-0.067	-0.152	-0.18
35	1	1	0.999	1	0.999	1	0.999	-0.073	-0.145	-0.165
36	0.999	1	0.999	1	0.999	1	0.999	-0.058	-0.124	-0.122
37	0.999	1	0.999	1	0.999	1	0.999	-0.066	-0.132	-0.137
38	0.999	1	0.999	1	0.999	1	0.999	-0.119	-0.186	-0.222

Parameter	CH1 IL-1	CH1 IL-1	CH1 IL-1 Phase	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2 Phase	CH1 IL-3
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.32	-0.58	-21.69	-0.13	-0.22	-0.26	-0.41	-0.66	-23.26	-0.07
STD DEV =	0.04	0.05	0.36	0.06	0.06	0.08	0.10	0.11	0.61	0.02
Cpu										
Cpl	5.21	10.10	35.64	5.50	1.51	2.20	2.03	4.14	19.97	17.70
Cpk	5.21	10.10	35.64	5.50	1.51	2.20	2.03	4.14	19.97	17.70
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.367	-0.625	-21.598	-0.112	-0.215	-0.262	-0.418	-0.682	-23.179	-0.076
2	-0.269	-0.493	-21.346	-0.09	-0.182	-0.205	-0.362	-0.646	-23.542	-0.058
3	-0.334	-0.625	-22.134	-0.189	-0.279	-0.353	-0.495	-0.705	-23.221	-0.064
4	-0.347	-0.597	-21.403	-0.172	-0.268	-0.32	-0.512	-0.777	-23.861	-0.082
5	-0.374	-0.608	-21.598	-0.339	-0.435	-0.539	-0.711	-0.939	-23.097	-0.06
6	-0.3	-0.562	-21.962	-0.132	-0.228	-0.256	-0.424	-0.689	-23.279	-0.068
7	-0.302	-0.564	-21.573	-0.123	-0.202	-0.243	-0.402	-0.676	-23.59	-0.068
8	-0.334	-0.574	-20.712	-0.113	-0.222	-0.262	-0.405	-0.59	-22.072	-0.066
9	-0.316	-0.596	-21.415	-0.13	-0.223	-0.273	-0.417	-0.641	-22.674	-0.08
10	-0.379	-0.629	-21.39	-0.145	-0.241	-0.295	-0.478	-0.752	-23.795	-0.07
11	-0.311	-0.585	-22.09	-0.064	-0.149	-0.162	-0.302	-0.565	-23.21	-0.075
12	-0.324	-0.611	-21.644	-0.175	-0.275	-0.334	-0.475	-0.71	-23.492	-0.071
13	-0.302	-0.55	-21.758	-0.242	-0.33	-0.399	-0.602	-0.907	-24.586	-0.069
14	-0.361	-0.642	-22.273	-0.084	-0.179	-0.197	-0.345	-0.593	-24.103	-0.053
15	-0.288	-0.576	-21.673	-0.249	-0.328	-0.407	-0.594	-0.865	-24.32	-0.061
16	-0.413	-0.691	-22.529	-0.143	-0.232	-0.284	-0.453	-0.734	-23.845	-0.077
17	-0.377	-0.633	-21.487	-0.091	-0.187	-0.212	-0.34	-0.567	-22.795	-0.175
18	-0.307	-0.587	-21.745	-0.058	-0.147	-0.166	-0.319	-0.568	-22.696	-0.065
19	-0.293	-0.595	-21.984	-0.055	-0.141	-0.168	-0.303	-0.551	-22.963	-0.058
20	-0.293	-0.54	-21.1	-0.109	-0.175	-0.213	-0.367	-0.595	-22.319	-0.069
21	-0.283	-0.55	-21.367	-0.079	-0.165	-0.194	-0.324	-0.544	-22.939	-0.062
22	-0.359	-0.625	-22.046	-0.1	-0.182	-0.222	-0.376	-0.63	-22.995	-0.062
23	-0.296	-0.541	-22.259	-0.189	-0.269	-0.312	-0.465	-0.725	-23.232	-0.065
24	-0.386	-0.632	-21.499	-0.229	-0.332	-0.43	-0.619	-0.866	-23.546	-0.079
25	-0.318	-0.576	-21.684	-0.133	-0.219	-0.258	-0.41	-0.659	-23.994	-0.059
26	-0.281	-0.556	-21.368	-0.162	-0.24	-0.29	-0.47	-0.759	-23.909	-0.057
27	-0.293	-0.534	-21.838	-0.108	-0.168	-0.185	-0.346	-0.626	-23.385	-0.069
28	-0.274	-0.524	-22.26	-0.118	-0.196	-0.232	-0.37	-0.596	-22.906	-0.058
29	-0.279	-0.531	-21.673	-0.067	-0.132	-0.159	-0.287	-0.507	-22.696	-0.054
30	-0.269	-0.527	-21.064	-0.182	-0.246	-0.297	-0.447	-0.692	-23.134	-0.058
31	-0.273	-0.515	-21.602	-0.129	-0.207	-0.243	-0.361	-0.568	-22.211	-0.06
32	-0.373	-0.638	-21.59	-0.09	-0.181	-0.225	-0.364	-0.601	-23.657	-0.073
33	-0.44	-0.698	-21.619	-0.097	-0.171	-0.191	-0.316	-0.529	-22.646	-0.069
34	-0.327	-0.583	-21.728	-0.106	-0.183	-0.218	-0.378	-0.661	-23.713	-0.058
35	-0.307	-0.563	-22.01	-0.128	-0.214	-0.266	-0.415	-0.658	-23.262	-0.088
36	-0.273	-0.571	-21.732	-0.096	-0.16	-0.187	-0.319	-0.551	-22.636	-0.059
37	-0.282	-0.529	-21.681	-0.098	-0.164	-0.185	-0.292	-0.478	-22.133	-0.082
38	-0.366	-0.627	-21.731	-0.098	-0.177	-0.214	-0.392	-0.697	-24.249	-0.056

Parameter	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3 Phase	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2
Average =	-0.12	-0.12	-0.22	-0.43	-19.12	-0.09	-0.16	-0.17	-0.30	-0.52
STD DEV =	0.02	0.03	0.03	0.03	0.49	0.02	0.02	0.03	0.04	0.05
Cpu										
Cpl	5.95	8.33	9.23	16.01	27.69	15.35	4.67	6.36	5.71	9.09
Cpk	5.95	8.33	9.23	16.01	27.69	15.35	4.67	6.36	5.71	9.09
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.147	-0.148	-0.238	-0.431	-18.704	-0.114	-0.198	-0.225	-0.375	-0.611
2	-0.117	-0.108	-0.2	-0.405	-18.555	-0.074	-0.15	-0.16	-0.274	-0.481
3	-0.133	-0.122	-0.227	-0.449	-19.053	-0.168	-0.238	-0.29	-0.424	-0.657
4	-0.147	-0.154	-0.259	-0.437	-18.837	-0.073	-0.15	-0.154	-0.3	-0.532
5	-0.127	-0.114	-0.206	-0.402	-18.458	-0.07	-0.144	-0.161	-0.271	-0.471
6	-0.127	-0.114	-0.229	-0.443	-19.352	-0.07	-0.139	-0.148	-0.272	-0.481
7	-0.132	-0.132	-0.216	-0.41	-18.761	-0.076	-0.158	-0.172	-0.286	-0.461
8	-0.119	-0.122	-0.236	-0.457	-19.625	-0.09	-0.165	-0.193	-0.311	-0.537
9	-0.147	-0.145	-0.262	-0.481	-19.299	-0.116	-0.198	-0.232	-0.363	-0.586
10	-0.14	-0.142	-0.241	-0.433	-18.853	-0.116	-0.212	-0.235	-0.389	-0.643
11	-0.141	-0.146	-0.262	-0.487	-19.766	-0.084	-0.166	-0.171	-0.31	-0.558
12	-0.142	-0.146	-0.241	-0.421	-18.954	-0.073	-0.16	-0.167	-0.298	-0.539
13	-0.111	-0.117	-0.206	-0.389	-18.076	-0.128	-0.199	-0.224	-0.352	-0.553
14	-0.116	-0.108	-0.215	-0.41	-18.826	-0.072	-0.148	-0.149	-0.268	-0.465
15	-0.106	-0.098	-0.217	-0.462	-19.729	-0.102	-0.181	-0.207	-0.309	-0.48
16	-0.135	-0.132	-0.219	-0.41	-19.667	-0.082	-0.151	-0.149	-0.265	-0.47
17	-0.221	-0.245	-0.352	-0.503	-18.838	-0.085	-0.153	-0.182	-0.309	-0.502
18	-0.125	-0.128	-0.237	-0.45	-18.967	-0.092	-0.145	-0.157	-0.296	-0.551
19	-0.115	-0.107	-0.226	-0.442	-19.705	-0.065	-0.137	-0.138	-0.264	-0.477
20	-0.113	-0.109	-0.219	-0.449	-19.051	-0.076	-0.137	-0.141	-0.259	-0.49
21	-0.12	-0.117	-0.208	-0.402	-18.757	-0.07	-0.133	-0.142	-0.273	-0.507
22	-0.104	-0.091	-0.201	-0.407	-19.244	-0.116	-0.179	-0.195	-0.342	-0.578
23	-0.121	-0.125	-0.212	-0.407	-19.289	-0.1	-0.154	-0.158	-0.3	-0.541
24	-0.136	-0.121	-0.226	-0.456	-19.433	-0.065	-0.126	-0.147	-0.24	-0.413
25	-0.12	-0.113	-0.211	-0.408	-19.137	-0.111	-0.173	-0.191	-0.349	-0.588
26	-0.113	-0.108	-0.225	-0.422	-19.096	-0.09	-0.162	-0.178	-0.302	-0.515
27	-0.121	-0.119	-0.214	-0.401	-18.585	-0.114	-0.158	-0.179	-0.342	-0.6
28	-0.102	-0.101	-0.189	-0.387	-18.69	-0.058	-0.121	-0.133	-0.255	-0.461
29	-0.111	-0.107	-0.202	-0.406	-19.336	-0.083	-0.148	-0.168	-0.285	-0.488
30	-0.098	-0.086	-0.213	-0.439	-19.264	-0.08	-0.148	-0.17	-0.297	-0.513
31	-0.106	-0.09	-0.192	-0.388	-18.746	-0.103	-0.158	-0.179	-0.299	-0.511
32	-0.123	-0.111	-0.232	-0.461	-19.47	-0.072	-0.132	-0.128	-0.232	-0.43
33	-0.116	-0.114	-0.199	-0.383	-18.494	-0.07	-0.137	-0.15	-0.276	-0.487
34	-0.105	-0.096	-0.249	-0.529	-20.845	-0.071	-0.137	-0.151	-0.271	-0.515
35	-0.139	-0.141	-0.232	-0.417	-19.303	-0.097	-0.151	-0.163	-0.282	-0.508
36	-0.101	-0.099	-0.213	-0.423	-18.952	-0.106	-0.174	-0.191	-0.315	-0.519
37	-0.138	-0.143	-0.23	-0.414	-19.085	-0.085	-0.159	-0.183	-0.284	-0.48
38	-0.114	-0.092	-0.19	-0.417	-19.752	-0.094	-0.163	-0.175	-0.31	-0.529

Parameter	CH1 IL-4 Phase	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5 Phase	CH1 IL-6	CH1 IL-6	CH1 IL-6
Condition:	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8
Average =	-22.51	-0.06	-0.12	-0.13	-0.20	-0.36	-19.34	-0.09	-0.17	-0.19
STD DEV =	0.52	0.01	0.01	0.02	0.02	0.03	0.48	0.04	0.04	0.06
Cpu										
Cpl	24.18	61.56	10.77	14.29	16.32	20.30	27.99	8.36	2.46	3.50
Cpk	24.18	61.56	10.77	14.29	16.32	20.30	27.99	8.36	2.46	3.50
DATA	-	-	-	-	-	-	-	-	-	-
1	-22.643	-0.055	-0.136	-0.131	-0.21	-0.377	-19.509	-0.105	-0.197	-0.217
2	-22.64	-0.072	-0.143	-0.157	-0.242	-0.406	-19.591	-0.066	-0.153	-0.17
3	-22.883	-0.069	-0.143	-0.152	-0.235	-0.382	-19.073	-0.079	-0.163	-0.181
4	-23.171	-0.069	-0.129	-0.151	-0.211	-0.338	-18.616	-0.08	-0.157	-0.192
5	-21.934	-0.065	-0.136	-0.139	-0.223	-0.376	-19.068	-0.074	-0.157	-0.169
6	-22.464	-0.059	-0.121	-0.107	-0.208	-0.408	-20.608	-0.063	-0.162	-0.18
7	-21.805	-0.054	-0.126	-0.128	-0.198	-0.354	-18.952	-0.075	-0.161	-0.169
8	-22.829	-0.069	-0.13	-0.133	-0.218	-0.392	-19.405	-0.059	-0.147	-0.162
9	-22.849	-0.057	-0.129	-0.145	-0.212	-0.356	-19.597	-0.215	-0.317	-0.398
10	-23.398	-0.073	-0.153	-0.162	-0.243	-0.384	-18.703	-0.137	-0.219	-0.258
11	-22.986	-0.061	-0.123	-0.125	-0.208	-0.35	-19.553	-0.07	-0.155	-0.164
12	-22.925	-0.055	-0.133	-0.12	-0.206	-0.345	-19.727	-0.07	-0.16	-0.189
13	-22.316	-0.066	-0.129	-0.133	-0.198	-0.354	-19.092	-0.125	-0.217	-0.259
14	-22.24	-0.058	-0.119	-0.122	-0.215	-0.419	-20.272	-0.072	-0.152	-0.171
15	-22.376	-0.062	-0.126	-0.121	-0.2	-0.324	-18.756	-0.063	-0.146	-0.16
16	-21.661	-0.06	-0.123	-0.136	-0.211	-0.368	-19.648	-0.068	-0.152	-0.162
17	-22.054	-0.066	-0.137	-0.134	-0.213	-0.378	-19.67	-0.259	-0.356	-0.425
18	-22.281	-0.059	-0.119	-0.095	-0.2	-0.431	-20.424	-0.072	-0.16	-0.177
19	-22.12	-0.062	-0.111	-0.124	-0.204	-0.35	-19.183	-0.063	-0.152	-0.171
20	-22.252	-0.062	-0.125	-0.138	-0.217	-0.337	-19.031	-0.066	-0.145	-0.162
21	-22.304	-0.06	-0.119	-0.119	-0.206	-0.386	-20.299	-0.065	-0.136	-0.161
22	-23.445	-0.065	-0.126	-0.117	-0.196	-0.361	-19.643	-0.083	-0.157	-0.175
23	-22.307	-0.066	-0.127	-0.131	-0.205	-0.363	-19.751	-0.068	-0.143	-0.156
24	-21.852	-0.056	-0.116	-0.125	-0.207	-0.347	-19.116	-0.096	-0.184	-0.218
25	-24.192	-0.063	-0.116	-0.136	-0.203	-0.319	-18.681	-0.097	-0.179	-0.215
26	-22.242	-0.064	-0.111	-0.119	-0.203	-0.366	-19.541	-0.081	-0.156	-0.191
27	-23.111	-0.065	-0.114	-0.126	-0.186	-0.32	-18.558	-0.1	-0.172	-0.207
28	-22.459	-0.066	-0.102	-0.1	-0.187	-0.368	-19.415	-0.068	-0.147	-0.169
29	-22.194	-0.068	-0.117	-0.105	-0.182	-0.338	-19.234	-0.063	-0.142	-0.16
30	-22.47	-0.057	-0.105	-0.108	-0.18	-0.343	-19.154	-0.073	-0.14	-0.162
31	-22.584	-0.055	-0.112	-0.115	-0.171	-0.327	-19.011	-0.078	-0.142	-0.163
32	-21.722	-0.055	-0.112	-0.124	-0.184	-0.325	-19.216	-0.059	-0.135	-0.16
33	-21.998	-0.05	-0.109	-0.105	-0.188	-0.36	-19.405	-0.063	-0.139	-0.164
34	-22.522	-0.061	-0.13	-0.137	-0.213	-0.365	-19.435	-0.062	-0.148	-0.151
35	-22.885	-0.067	-0.117	-0.131	-0.21	-0.351	-18.884	-0.071	-0.153	-0.169
36	-22.584	-0.057	-0.114	-0.117	-0.187	-0.345	-18.928	-0.059	-0.137	-0.165
37	-22.126	-0.054	-0.112	-0.12	-0.176	-0.327	-19.111	-0.066	-0.138	-0.164
38	-22.702	-0.054	-0.098	-0.096	-0.191	-0.365	-19.24	-0.117	-0.202	-0.225

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6 Phase	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7 Phase	CH1 IL-8
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.30	-0.49	-23.29	-0.07	-0.14	-0.16	-0.28	-0.48	-20.58	-0.06
STD DEV =	0.07	0.09	0.51	0.01	0.02	0.02	0.03	0.04	0.54	0.01
Cpu										
Cpl	3.19	5.67	23.92	24.08	7.12	11.13	8.91	11.87	24.53	57.62
Cpk	3.19	5.67	23.92	24.08	7.12	11.13	8.91	11.87	24.53	57.62
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.323	-0.516	-23.571	-0.064	-0.137	-0.162	-0.274	-0.485	-20.761	-0.089
2	-0.281	-0.473	-23.142	-0.068	-0.141	-0.177	-0.289	-0.479	-20.298	-0.064
3	-0.282	-0.486	-23.582	-0.077	-0.146	-0.174	-0.261	-0.449	-20.228	-0.064
4	-0.282	-0.455	-23.145	-0.069	-0.161	-0.178	-0.288	-0.488	-20.072	-0.064
5	-0.266	-0.449	-23.121	-0.063	-0.145	-0.158	-0.282	-0.513	-21.348	-0.06
6	-0.292	-0.472	-23.21	-0.087	-0.149	-0.17	-0.305	-0.547	-20.923	-0.055
7	-0.272	-0.462	-22.832	-0.065	-0.144	-0.151	-0.266	-0.475	-20.837	-0.067
8	-0.276	-0.472	-23.358	-0.059	-0.128	-0.146	-0.27	-0.498	-20.507	-0.065
9	-0.556	-0.775	-24.44	-0.07	-0.149	-0.16	-0.309	-0.551	-22.199	-0.058
10	-0.364	-0.551	-23.129	-0.07	-0.158	-0.181	-0.289	-0.481	-20.061	-0.062
11	-0.278	-0.481	-23.635	-0.079	-0.162	-0.179	-0.31	-0.562	-21.29	-0.065
12	-0.283	-0.478	-23.327	-0.069	-0.143	-0.168	-0.289	-0.49	-20.007	-0.054
13	-0.41	-0.626	-24.349	-0.054	-0.135	-0.15	-0.258	-0.452	-20.388	-0.06
14	-0.278	-0.472	-23.185	-0.067	-0.125	-0.152	-0.247	-0.452	-20.151	-0.059
15	-0.263	-0.434	-23.385	-0.058	-0.131	-0.15	-0.262	-0.46	-20.412	-0.067
16	-0.246	-0.446	-23.392	-0.075	-0.147	-0.168	-0.274	-0.461	-20.354	-0.064
17	-0.587	-0.837	-24.983	-0.069	-0.155	-0.182	-0.306	-0.528	-21.343	-0.064
18	-0.258	-0.405	-22.496	-0.056	-0.141	-0.157	-0.309	-0.571	-21.974	-0.068
19	-0.273	-0.462	-23.401	-0.065	-0.12	-0.141	-0.261	-0.476	-20.373	-0.059
20	-0.272	-0.498	-23.508	-0.084	-0.157	-0.171	-0.293	-0.514	-20.654	-0.057
21	-0.262	-0.44	-23.211	-0.062	-0.126	-0.147	-0.255	-0.438	-20.321	-0.054
22	-0.281	-0.489	-23.451	-0.09	-0.165	-0.2	-0.309	-0.49	-20.518	-0.061
23	-0.267	-0.455	-23.101	-0.058	-0.135	-0.156	-0.26	-0.453	-20.385	-0.062
24	-0.308	-0.464	-22.737	-0.126	-0.203	-0.223	-0.342	-0.554	-20.855	-0.057
25	-0.336	-0.545	-23.644	-0.054	-0.129	-0.148	-0.23	-0.399	-19.974	-0.054
26	-0.288	-0.436	-22.747	-0.061	-0.136	-0.145	-0.225	-0.41	-20.835	-0.058
27	-0.309	-0.498	-23.023	-0.081	-0.148	-0.173	-0.268	-0.446	-20.077	-0.065
28	-0.252	-0.412	-23.35	-0.058	-0.118	-0.148	-0.233	-0.405	-19.932	-0.057
29	-0.25	-0.44	-23.34	-0.094	-0.159	-0.186	-0.306	-0.529	-20.804	-0.062
30	-0.255	-0.425	-22.807	-0.056	-0.122	-0.139	-0.248	-0.446	-20.384	-0.063
31	-0.266	-0.491	-23.542	-0.09	-0.16	-0.184	-0.284	-0.475	-20.631	-0.06
32	-0.233	-0.387	-22.657	-0.061	-0.117	-0.13	-0.239	-0.45	-19.758	-0.059
33	-0.26	-0.44	-22.731	-0.055	-0.126	-0.154	-0.233	-0.425	-20.017	-0.053
34	-0.268	-0.489	-23.587	-0.081	-0.152	-0.173	-0.304	-0.526	-21.012	-0.055
35	-0.275	-0.462	-23.389	-0.079	-0.147	-0.19	-0.285	-0.47	-20.406	-0.06
36	-0.251	-0.415	-22.854	-0.081	-0.16	-0.191	-0.301	-0.48	-20.195	-0.063
37	-0.237	-0.384	-22.259	-0.064	-0.128	-0.149	-0.253	-0.478	-21.109	-0.062
38	-0.346	-0.558	-23.574	-0.064	-0.137	-0.152	-0.266	-0.464	-20.717	-0.06

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8 Phase	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-63	-39	-34	-30	-63
LowLimit	-0.5	-0.8	-1	-2	-60					
Average =	-0.17	-0.21	-0.32	-0.53	-23.40	-88.67	-67.35	-61.21	-56.87	-90.15
STD DEV =	0.01	0.01	0.02	0.04	0.50	4.98	4.83	4.50	4.69	5.96
Cpu						1.72	1.96	2.02	1.91	1.52
Cpl	10.66	15.25	12.01	12.08	24.39					
Cpk	10.66	15.25	12.01	12.08	24.39	1.72	1.96	2.02	1.91	1.52
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.201	-0.245	-0.362	-0.617	-23.827	-86.878	-59.66	-53.803	-49.221	-86.714
2	-0.186	-0.224	-0.344	-0.577	-23.55	-86.734	-66.616	-61.946	-57.325	-86.221
3	-0.167	-0.205	-0.305	-0.504	-22.759	-95.092	-65.636	-59.705	-54.995	-86.973
4	-0.175	-0.225	-0.318	-0.535	-23.236	-93.01	-74.642	-70.059	-67.712	-84.568
5	-0.175	-0.212	-0.299	-0.499	-23.655	-84.905	-64.389	-59.821	-54.913	-84.979
6	-0.179	-0.221	-0.335	-0.569	-24.137	-95.615	-73.895	-68.641	-62.608	-99.633
7	-0.171	-0.213	-0.305	-0.522	-23.506	-84.384	-63.469	-57.735	-53.837	-90.921
8	-0.174	-0.219	-0.308	-0.518	-22.998	-86.279	-67.048	-60.176	-56.666	-89.229
9	-0.175	-0.218	-0.33	-0.545	-23.433	-89.552	-81.34	-65.18	-61.913	-85.439
10	-0.166	-0.217	-0.324	-0.52	-23.099	-86.622	-73.341	-63.541	-66.718	-84.135
11	-0.184	-0.222	-0.317	-0.533	-22.994	-84.629	-68.036	-62.601	-58.456	-92.789
12	-0.173	-0.234	-0.36	-0.603	-23.621	-88.164	-63.882	-58.853	-54.521	-87.744
13	-0.178	-0.209	-0.363	-0.654	-24.643	-85.863	-74.993	-70.024	-66.211	-83.682
14	-0.17	-0.208	-0.286	-0.46	-22.53	-82.145	-62.82	-56.455	-52.265	-89.191
15	-0.178	-0.222	-0.31	-0.522	-23.048	-100.216	-67.301	-60.824	-57.257	-87.529
16	-0.176	-0.222	-0.314	-0.519	-23.241	-89.238	-70.235	-65.898	-62.421	-89.558
17	-0.176	-0.236	-0.322	-0.524	-23.685	-100.142	-67.253	-62.989	-57.819	-97.208
18	-0.176	-0.229	-0.314	-0.494	-23.085	-85.385	-55.73	-49.5	-44.934	-81.968
19	-0.161	-0.2	-0.347	-0.614	-24.096	-92.956	-67.491	-59.525	-55.181	-84.747
20	-0.151	-0.194	-0.3	-0.516	-22.762	-85.494	-70.774	-64.573	-59.122	-88.008
21	-0.18	-0.234	-0.319	-0.507	-23.003	-82.432	-71.452	-67.988	-59.932	-94.121
22	-0.176	-0.228	-0.326	-0.535	-24.503	-84.927	-62.892	-56.085	-51.647	-96.223
23	-0.177	-0.226	-0.319	-0.54	-23.308	-85.86	-65.619	-59.936	-55.275	-85.456
24	-0.16	-0.194	-0.325	-0.588	-24.523	-94.603	-64.114	-58.738	-54.962	-87.535
25	-0.162	-0.214	-0.305	-0.483	-23.184	-80.775	-64.939	-58.423	-53.865	-93.922
26	-0.176	-0.223	-0.312	-0.487	-22.642	-90.097	-72.638	-67.568	-61.467	-98.393
27	-0.169	-0.216	-0.315	-0.529	-23.236	-88.155	-68.399	-61.863	-56.713	-84.103
28	-0.16	-0.213	-0.289	-0.469	-23.076	-96.902	-68.982	-63.318	-57.275	-105.248
29	-0.168	-0.199	-0.307	-0.526	-23.5	-98.771	-67.893	-63.527	-58.778	-86.157
30	-0.154	-0.2	-0.299	-0.535	-23.099	-83.538	-60.67	-54.793	-50.525	-87.412
31	-0.169	-0.211	-0.307	-0.501	-22.872	-90.215	-64.383	-58.73	-54.847	-92.242
32	-0.162	-0.209	-0.305	-0.51	-23.211	-87.088	-64.725	-58.5	-54.09	-85.854
33	-0.153	-0.211	-0.312	-0.541	-23.619	-85.085	-63.929	-57.148	-52.765	-99.244
34	-0.156	-0.186	-0.295	-0.527	-23.286	-89.838	-63.552	-57.922	-53.379	-89.959
35	-0.16	-0.203	-0.296	-0.505	-23.374	-85.786	-73.18	-65.761	-61.002	-96.652
36	-0.158	-0.202	-0.291	-0.507	-23.901	-86.063	-66.537	-59.745	-56.418	-84.336
37	-0.156	-0.201	-0.305	-0.545	-23.764	-84.724	-65.716	-59.372	-54.442	-91.28
38	-0.173	-0.217	-0.315	-0.523	-23.38	-91.186	-71.225	-64.562	-59.482	-106.238

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-63	-39	-34	-30	-63	-39	-34
LowLimit										
Average =	-74.64	-68.55	-63.26	-89.32	-73.09	-67.32	-62.34	-88.45	-74.06	-68.30
STD DEV =	7.34	7.43	7.87	5.61	6.93	7.55	6.79	5.07	8.01	7.73
Cpu	1.62	1.55	1.41	1.56	1.64	1.47	1.59	1.67	1.46	1.48
Cpl										
Cpk	1.62	1.55	1.41	1.56	1.64	1.47	1.59	1.67	1.46	1.48
DATA	-	-	-	-	-	-	-	-	-	-
1	-72.613	-65.251	-58.348	-103.22	-71.214	-63.812	-59.331	-85.656	-76.543	-86.639
2	-74.731	-66.378	-61.768	-86.621	-62.385	-56.414	-51.237	-87.294	-74.87	-67.668
3	-75.575	-71.896	-66.172	-90.67	-72.634	-65.615	-60.118	-82.725	-71.198	-64.582
4	-67.543	-59.831	-53.627	-81.005	-68.816	-60.117	-55.586	-86.162	-67.558	-62.381
5	-81.524	-69.795	-64.858	-86.787	-73.031	-68.307	-65.855	-84.525	-89.653	-79.614
6	-70.892	-64.307	-57.608	-83.052	-77.363	-81.828	-64.489	-87.9	-56.614	-50.773
7	-74.556	-79.068	-84.867	-95.713	-72.264	-69.652	-71.63	-96.651	-83.486	-71.934
8	-68.767	-61.273	-55.477	-85.693	-70.233	-62.929	-58.382	-89.532	-74.131	-67.654
9	-78.363	-66.908	-61.618	-91.459	-79.456	-86.555	-74.904	-88.339	-76.645	-75.884
10	-67.113	-59.856	-53.684	-84.109	-69.549	-60.964	-55.551	-85.453	-72.788	-62.995
11	-81.944	-78.39	-70.42	-94.45	-65.889	-60.738	-56.677	-87.637	-80.374	-70.823
12	-77.15	-67.978	-63.326	-88.341	-81.733	-73.886	-70.984	-98.267	-82.665	-71.773
13	-68.682	-64.216	-57.328	-89.312	-69.987	-63.513	-59.335	-86.551	-76.551	-71.219
14	-82.641	-69.993	-64.273	-87.462	-89.121	-79.76	-69.88	-82.618	-77.594	-73.109
15	-55.034	-50.008	-45.426	-88.189	-79.767	-78.088	-72.796	-105.961	-73.648	-69.835
16	-66.231	-61.842	-56.845	-92.946	-75.18	-72.255	-66.605	-88.903	-71.705	-66.035
17	-83.712	-81.103	-73.15	-96.641	-74.263	-68.59	-66.809	-89.877	-72.3	-66.659
18	-73.647	-69.688	-64.19	-85.969	-59.015	-53.517	-48.619	-87.288	-60.048	-54.783
19	-72.531	-65.796	-60.857	-86.755	-61.929	-54.91	-49.74	-83.401	-69.019	-62.139
20	-76.4	-63.691	-58.867	-86.231	-66.496	-59.351	-54.262	-84.418	-71.139	-63.682
21	-72.488	-67.471	-62.479	-87.757	-86.443	-72.13	-68.05	-90.595	-93.782	-75.396
22	-73.321	-68.335	-65.28	-83.209	-68.394	-62.383	-56.234	-87.836	-77.885	-79.577
23	-76.346	-75.649	-74.23	-81.334	-79.648	-68.154	-66.613	-83.636	-77.527	-70.989
24	-85.823	-77.135	-68.496	-98.27	-69.903	-63.254	-59.474	-93.613	-73.461	-70.083
25	-63.536	-60.015	-56.236	-85.257	-65.231	-58.927	-53.943	-84.876	-69.253	-62.977
26	-80.844	-81.8	-73.36	-96.243	-71.219	-64.834	-59.454	-91.268	-76.744	-70.782
27	-79.857	-80.429	-81.098	-103.218	-74.287	-67.269	-59.688	-90.292	-64.867	-60.124
28	-88.603	-73.109	-65.793	-92.236	-77.838	-75.403	-69.798	-85.438	-62.984	-58.101
29	-85.929	-79.529	-66.417	-85.172	-70.821	-65.731	-60.432	-83.401	-76.13	-72.511
30	-66.264	-61.707	-57.109	-86.448	-78.354	-68.542	-62.721	-85.788	-67.699	-61.88
31	-80.591	-70.207	-63.436	-99.653	-74.395	-73.631	-72.139	-84.097	-61.615	-56.397
32	-77.378	-71.48	-67.07	-83.871	-67.943	-62.89	-60.309	-93.662	-81.934	-73.94
33	-67.455	-62.213	-57.453	-91.278	-85.315	-79.919	-72.109	-93.923	-70.652	-65.413
34	-61.86	-56.007	-51.162	-86.396	-74.383	-72.95	-67.465	-80.763	-80.3	-75.427
35	-82.144	-73.756	-65.126	-85.959	-64.966	-61.782	-57.929	-97.449	-72.092	-67.326
36	-71.816	-61.646	-56.914	-83.729	-74.527	-65.189	-62.6	-85.461	-69.985	-68.555
37	-82.363	-72.481	-68.912	-90.198	-68.163	-63.214	-59.833	-90.1	-92.159	-85.518
38	-70.174	-74.607	-70.599	-89.456	-85.315	-71.324	-67.304	-89.554	-66.844	-60.078

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-63	-39	-34	-30	-63	-39	-34	-30	-63
LowLimit										
Average =	-63.12	-88.68	-72.94	-67.73	-63.83	-89.70	-76.96	-69.71	-65.50	-88.95
STD DEV =	7.12	4.55	8.02	7.99	8.12	5.73	7.69	7.57	7.90	5.29
Cpu	1.55	1.88	1.41	1.41	1.39	1.55	1.65	1.57	1.50	1.64
Cpl										
Cpk	1.55	1.88	1.41	1.41	1.39	1.55	1.65	1.57	1.50	1.64
DATA	-	-	-	-	-	-	-	-	-	-
1	-71.012	-84.345	-64.778	-59.237	-55.967	-84.123	-87.023	-74.623	-68.42	-92.787
2	-65.17	-86.265	-71.875	-66.041	-64.756	-94.034	-66.44	-59.867	-55.429	-78.973
3	-59.583	-87.644	-59.3	-52.855	-57.559	-85.876	-83.067	-64.564	-60.793	-87.086
4	-57.504	-91.997	-82.9	-75.234	-78.296	-85.175	-75.303	-76.739	-76.623	-90.542
5	-72.287	-83.875	-65.799	-58.949	-55.705	-99.647	-87.528	-70.055	-67.279	-91.6
6	-46.149	-82.98	-80.781	-70.785	-61.96	-88.595	-65.956	-59.33	-54.818	-83.061
7	-68.055	-94.116	-76.079	-71.849	-78.514	-84.291	-64.082	-56.217	-51.234	-84.976
8	-64.785	-94.042	-67.517	-62.352	-58.308	-83.753	-79.6	-74.034	-68.298	-87.598
9	-66.211	-83.222	-77.608	-73.346	-56.692	-86.176	-77.308	-69.029	-66.952	-83.825
10	-57.764	-86.566	-87.829	-79.905	-57.061	-85.584	-83.426	-94.67	-71.819	-76.417
11	-64.868	-86.49	-64.303	-59.511	-56.234	-85.874	-66.627	-59.421	-54.945	-98.399
12	-64.976	-89.551	-65.152	-59.958	-56.886	-98.393	-71.713	-67.82	-60.731	-89.847
13	-66.035	-88.724	-76.127	-71.177	-70.247	-95.592	-76.434	-65.902	-61.501	-98.267
14	-63.439	-88.384	-68.096	-65.873	-61.65	-97.727	-82.258	-73.743	-68.945	-82.126
15	-62.34	-89.24	-75.369	-67.204	-64.061	-86.001	-62.75	-56.414	-51.579	-100.206
16	-61.587	-101.378	-75.482	-72.502	-77.061	-91.677	-67.259	-59.133	-54.511	-95.096
17	-63.877	-85.281	-71.809	-66.803	-64.133	-82.147	-77.048	-68.733	-62.666	-86.353
18	-50.921	-90.902	-65.615	-60.347	-58.064	-95.605	-74.207	-74.085	-71.372	-89.325
19	-56.716	-84.785	-95.016	-86.896	-70.683	-85.399	-83.264	-72.531	-65.092	-88.1
20	-59.292	-90.091	-66.318	-58.472	-52.427	-89.069	-77.906	-72.715	-71.331	-87.589
21	-65.857	-90.092	-73.303	-69.199	-67.666	-92.509	-93.696	-70.628	-72.691	-96.235
22	-78.556	-90.284	-82.336	-79.27	-70.837	-87.592	-88.643	-71.919	-62.894	-86.684
23	-69.08	-95.609	-84.517	-82.966	-76.303	-88.1	-74.822	-76.127	-88.653	-87.36
24	-68.392	-81.316	-74.315	-78.13	-80.357	-94.125	-74.97	-68.356	-67.963	-87.41
25	-57.419	-94.447	-80.238	-77.336	-75.672	-92.992	-82.766	-67.92	-64.436	-83.686
26	-69.569	-84.248	-68.767	-64.223	-59.955	-89.416	-68.213	-61.023	-57.459	-85.03
27	-56.209	-86.712	-71.681	-67.263	-66.904	-88.593	-74.599	-75.201	-70.228	-86.622
28	-53.589	-94.749	-63.922	-57.235	-51.609	-86.58	-78.334	-73.785	-70.106	-85.212
29	-68.125	-82.604	-72.565	-66.733	-60.804	-90.409	-68.604	-62.382	-58.238	-93.648
30	-57.582	-91.905	-83.089	-71.39	-68.247	-82.73	-70.173	-62.501	-57.38	-93.669
31	-51.613	-88.331	-67.26	-61.866	-57.779	-81.857	-76.9	-71.075	-67.747	-84.427
32	-73.097	-85.857	-72.313	-72.689	-65.601	-106.219	-79.759	-71.846	-69.244	-89.023
33	-59.77	-87.087	-68.162	-63.617	-57.149	-82.902	-75.099	-74.714	-67.03	-89.32
34	-67.078	-87.232	-58.673	-52.485	-48.086	-87.242	-75.197	-74.142	-76.356	-87.4
35	-61.461	-85.581	-65.292	-62.193	-59.061	-87.087	-78.703	-68.743	-61.481	-87.908
36	-63.36	-85.176	-84.255	-74.067	-66.394	-101.372	-78.751	-80.426	-72.961	-92.782
37	-79.343	-89.067	-71.829	-67.372	-70.371	-90.638	-95.655	-81.163	-77.433	-96.213
38	-55.795	-99.638	-71.494	-66.38	-66.38	-93.427	-80.358	-67.49	-62.247	-95.335

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-18	-18	-18	-16	-14.4	-12	-10
LowLimit										
Average =	-66.28	-60.18	-56.39	-29.63	-29.63	-29.94	-27.26	-21.65	-19.74	-14.15
STD DEV =	5.25	4.74	4.99	2.64	2.77	2.81	2.76	1.41	1.49	0.57
Cpu	1.73	1.84	1.76	1.47	1.40	1.42	1.36	1.72	1.73	2.42
Cpl										
Cpk	1.73	1.84	1.76	1.47	1.40	1.42	1.36	1.72	1.73	2.42
DATA	-	-	-	-	-	-	-	-	-	-
1	-57.896	-51.865	-48.215	-32.288	-32.187	-28.929	-24.094	-24.082	-21.039	-13.689
2	-65.759	-60.614	-58.363	-31.667	-32.865	-30.906	-24.967	-20.334	-20.709	-12.913
3	-68.925	-64.231	-60.075	-30.468	-25.775	-33.65	-26.086	-22.54	-20.114	-14.2
4	-62.56	-55.916	-51.89	-31.26	-31.071	-25.272	-29.935	-23.064	-22.097	-14.266
5	-62.514	-56.852	-53.556	-27.165	-26.414	-29.403	-24.031	-20.829	-19.704	-13.568
6	-69.902	-63.054	-60.253	-24.995	-25.065	-33.492	-23.459	-22.113	-21.083	-14.664
7	-60.232	-54.605	-49.894	-30.077	-26.72	-27.413	-29.87	-23.181	-21.213	-13.213
8	-69.171	-66.067	-66.105	-25.343	-27.622	-31.246	-24.343	-21.975	-20.066	-14.452
9	-67.144	-61.239	-57.867	-31.964	-28.776	-32.963	-22.76	-22.499	-20.488	-14.732
10	-62.543	-55.811	-51.497	-33.432	-33.397	-26.808	-29.573	-21.076	-21.093	-13.647
11	-62.114	-57.201	-53.633	-31.156	-33.235	-32.286	-29.277	-22.553	-20.055	-14.592
12	-80.686	-66.963	-59.048	-31.065	-30.076	-33.355	-24.265	-22.341	-17.3	-13.945
13	-66.418	-60.296	-56.785	-29.531	-32.08	-33.652	-28.74	-21.435	-21.055	-14.766
14	-71.782	-64.216	-59.401	-30.583	-31.138	-32.392	-30.195	-20.18	-20.202	-14.466
15	-62.097	-56.784	-53.112	-30.408	-33.235	-30.714	-24.146	-22.208	-17.013	-14.654
16	-63.175	-59.767	-55.649	-27.057	-31.868	-30.847	-29.133	-19.524	-18.885	-13.702
17	-65.417	-59.282	-56.32	-31.415	-33.851	-29.266	-30.543	-23.583	-17.285	-14.349
18	-64.184	-58.467	-54.292	-27.708	-24.672	-33.251	-30.561	-20.67	-20.033	-14.727
19	-73.967	-65.655	-62.186	-27.381	-28.102	-27.548	-30.814	-22.611	-18.248	-12.921
20	-62.139	-56.346	-52.322	-25.141	-31.963	-28.894	-29.21	-21.883	-18.086	-13.869
21	-63.163	-57.824	-53.511	-28.739	-25.869	-32.558	-30.439	-20.586	-19.172	-14.859
22	-63.527	-57.497	-52.54	-33.156	-33.055	-30.747	-24.895	-22.411	-19.527	-14.326
23	-67.129	-60.49	-57.146	-25.599	-29.936	-29.596	-23.273	-21.85	-21.76	-14.546
24	-76.748	-69.367	-70.951	-28.738	-31.074	-28.934	-27.867	-21.394	-18.636	-13.313
25	-63.858	-58.114	-54.734	-30.631	-27.609	-29.454	-29.081	-19.403	-20.615	-14.034
26	-69.224	-62.673	-58.204	-28.375	-32.401	-29.136	-29.084	-18.821	-20.515	-13.504
27	-63.492	-58.212	-54.052	-34.023	-26.729	-25.22	-29.768	-22.034	-18.739	-13.756
28	-63.012	-56.713	-52.866	-33.065	-26.313	-32.729	-22.972	-19.127	-20.108	-14.395
29	-69.905	-65.344	-61	-27.464	-27.28	-26.115	-23.217	-22.801	-16.874	-14.294
30	-72.334	-68.105	-60.649	-25.727	-32.291	-33.101	-25.207	-20.562	-16.955	-14.979
31	-63.334	-57.154	-54.282	-26.465	-33.163	-33.386	-28.086	-23.803	-21.596	-13.459
32	-65.694	-60.476	-56.882	-33.182	-30.181	-25.021	-25.477	-20.129	-21.418	-14.904
33	-65.035	-58.29	-55.09	-27.862	-28.599	-24.976	-24.395	-23.936	-17.499	-14.996
34	-67.068	-60.442	-56.01	-27.941	-26.377	-32.208	-30.656	-21.23	-20.398	-14.278
35	-61.412	-55.365	-51.554	-32.162	-27.85	-24.902	-30.419	-21.751	-20.816	-14.309
36	-61.711	-55.542	-51.422	-31.192	-30.813	-29.633	-26.82	-19.311	-21.536	-13.345
37	-62.227	-55.059	-51.301	-33.674	-29.517	-30.737	-28.439	-23.73	-18.364	-14.463
38	-81.16	-74.837	-70.046	-27.965	-26.672	-26.935	-29.641	-21.237	-19.706	-14.416

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-12	-10	-18	-18	-18
LowLimit										
Average =	-30.29	-29.82	-30.06	-26.90	-21.47	-19.63	-13.92	-29.22	-29.14	-29.47
STD DEV =	2.52	2.80	2.90	2.55	1.65	1.68	0.75	2.72	2.54	2.81
Cpu	1.63	1.41	1.38	1.43	1.43	1.51	1.74	1.37	1.46	1.36
Cpl										
Cpk	1.63	1.41	1.38	1.43	1.43	1.51	1.74	1.37	1.46	1.36
DATA	-	-	-	-	-	-	-	-	-	-
1	-32.18	-27.86	-33.863	-28.367	-20.252	-17.782	-14.157	-26.911	-28.543	-25.129
2	-34.057	-30.042	-32.382	-29.615	-21.274	-20.078	-14.073	-24.769	-26.454	-30.947
3	-25.031	-33.049	-32.304	-30.059	-18.558	-18.54	-13.637	-30.926	-33.617	-29.174
4	-31.566	-33.171	-30.947	-28.833	-23.305	-18.815	-14.505	-29.972	-25.249	-25.228
5	-32.872	-26.406	-29.481	-30.247	-19.631	-18.018	-15.118	-26.017	-26.018	-28.958
6	-29.338	-31.952	-33.292	-30.08	-18.861	-18.976	-14.575	-29.331	-26.351	-33.469
7	-29.312	-25.901	-32.602	-23.509	-21.023	-21.74	-14.237	-32.877	-28.441	-33.761
8	-29.146	-29.851	-31.906	-25.735	-23.157	-19.719	-14.993	-27.28	-27.232	-24.901
9	-34.037	-28.861	-33.094	-26.26	-21.926	-21.417	-13.495	-30.294	-32.266	-29.364
10	-29.244	-26.091	-27.151	-25.509	-20.959	-17.349	-15.068	-26.269	-30.629	-30.279
11	-29.222	-32.293	-28.369	-26.568	-22.504	-21.703	-12.932	-31.735	-31.772	-33.401
12	-26.66	-28.543	-26.691	-27.941	-23.645	-17.073	-14.197	-27.831	-28.019	-29.934
13	-27.914	-27.47	-32.822	-22.899	-19.289	-17.87	-13.093	-34.098	-30.685	-30.611
14	-29.694	-32.287	-33.551	-27.672	-19.444	-21.377	-13.4	-26.721	-29.148	-26.76
15	-32.517	-25.021	-33.906	-25.124	-22.36	-20.867	-13.24	-28.127	-30.84	-28.607
16	-31.333	-29.846	-31.853	-28.149	-20.112	-21.488	-15.105	-27.897	-33.424	-32.562
17	-31.695	-31.873	-25.573	-24.297	-22.735	-17.124	-14.411	-33.696	-29.798	-33.883
18	-29.572	-34.081	-29.776	-31.086	-23.941	-21.532	-13.45	-32.245	-26.293	-32.528
19	-29.054	-32.972	-29.981	-25.366	-21.317	-21.046	-13.248	-26.475	-33.787	-26.869
20	-32.324	-29.656	-26.613	-24.054	-22.921	-21.491	-12.666	-30.668	-27.745	-27.037
21	-31.405	-26.348	-33.142	-28.427	-22.013	-21.578	-13.285	-34.023	-30.316	-31.024
22	-24.693	-25.639	-29.671	-29.918	-18.67	-20.282	-13.243	-28.21	-31.763	-28.123
23	-33.95	-31.046	-24.682	-24.036	-19.191	-17.664	-12.863	-32.278	-25.983	-27.472
24	-32.519	-26.643	-30.999	-30.83	-22.765	-16.726	-14.333	-29.947	-28.608	-33.584
25	-31.705	-28.283	-33.773	-30.675	-21.51	-20.361	-14.878	-32.592	-32.213	-32.096
26	-30.152	-27.269	-33.627	-24.577	-22.945	-17.744	-13.68	-26.345	-26.126	-26.557
27	-34.081	-28.891	-26.624	-23.263	-23.047	-19.828	-12.854	-28.897	-28.407	-31.795
28	-31.483	-26.144	-29.832	-24.779	-23.417	-19.7	-14.952	-28.812	-27.045	-26.516
29	-27.474	-25.237	-28.817	-23.066	-20.822	-20.745	-13.531	-26.188	-29.982	-31.637
30	-33.468	-31.918	-28.103	-26.058	-21.617	-17.125	-14.559	-27.936	-25.518	-25.144
31	-32.075	-33.105	-25.407	-30.041	-24.05	-20.52	-14.321	-33.143	-33.125	-27.648
32	-31.125	-32.661	-25.938	-24.922	-21.479	-17.211	-12.711	-31.731	-25.234	-28.431
33	-29.856	-30.194	-26.081	-26.04	-22.459	-19.543	-14.713	-27.752	-31.064	-32.075
34	-31.481	-30.739	-29.738	-23.944	-23.016	-18.635	-14.217	-24.821	-29.978	-26.845
35	-26.467	-34.057	-27.717	-29.595	-19.028	-21.838	-12.7	-28.008	-29.063	-33.128
36	-28.337	-32.818	-32.189	-25.874	-19.78	-19.231	-13.938	-28.996	-27.593	-28.147
37	-27.977	-31.82	-26.429	-25.175	-23.255	-22.064	-14.391	-31.823	-26.98	-30.735
38	-26.03	-33.137	-33.417	-29.645	-19.6	-21.051	-14.158	-24.757	-31.837	-25.534

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4	-12
LowLimit										
Average =	-26.41	-21.11	-19.11	-13.86	-29.42	-29.74	-29.09	-26.75	-21.10	-19.09
STD DEV =	2.30	1.36	1.46	0.77	2.29	2.52	2.38	2.05	1.52	1.53
Cpu	1.51	1.65	1.62	1.66	1.66	1.55	1.55	1.75	1.47	1.54
Cpl										
Cpk	1.51	1.65	1.62	1.66	1.66	1.55	1.55	1.75	1.47	1.54
DATA	-	-	-	-	-	-	-	-	-	-
1	-26.808	-19.578	-16.805	-13.234	-30.432	-28.729	-32.419	-23.553	-20.623	-17.481
2	-27.814	-23.559	-17.442	-14.486	-30.26	-24.88	-29.248	-29.427	-20.433	-17.954
3	-30.415	-22.039	-18.525	-13.385	-29.804	-27.018	-28.737	-29.977	-21.718	-18.408
4	-27.39	-21.64	-19.775	-14.083	-31.08	-31.863	-31.868	-28.589	-22.183	-16.585
5	-24.066	-21.886	-18.866	-14.2	-30.977	-29.707	-33.564	-27.722	-23.992	-17.833
6	-23.785	-22.156	-18.315	-13.895	-29.259	-29.57	-28.413	-26.417	-20.611	-16.801
7	-22.967	-19.898	-18.204	-14.69	-30.634	-31.191	-26.744	-29.883	-23.71	-18.92
8	-27.178	-22.736	-18.71	-14.521	-24.897	-33.071	-28.116	-26.955	-22.993	-20.254
9	-24.054	-22.945	-18.397	-14.769	-29.597	-26.671	-24.766	-27.308	-18.854	-20.316
10	-27.278	-19.382	-21.808	-12.678	-31.999	-30.372	-30.551	-27.448	-21.688	-21.622
11	-23.818	-19.135	-18.351	-13.266	-28.047	-32.192	-30.661	-24.353	-20.244	-18.892
12	-29.752	-19.56	-19.223	-14.167	-27.558	-29.007	-25.815	-27.014	-22.251	-21.026
13	-26.462	-20.773	-19.526	-13.789	-25.621	-29.956	-27.713	-27.827	-18.841	-21.789
14	-26.401	-19.364	-19.782	-12.912	-30.815	-30.916	-29.87	-27.586	-20.182	-17.128
15	-29.634	-20.831	-17.589	-14.7	-28.922	-32.301	-28.213	-27.396	-19.842	-17.156
16	-23.254	-21.648	-17.966	-14.209	-27.575	-26.303	-27.087	-24.689	-20.928	-21.599
17	-26.678	-21.957	-19.745	-12.581	-33.837	-29.255	-31.771	-25.739	-21.405	-19.837
18	-23.542	-19.059	-16.566	-12.874	-26.723	-32.275	-26.135	-26.439	-19.417	-18.755
19	-28.715	-20.959	-21.795	-13.969	-31.565	-29.057	-28.382	-29.622	-22.55	-17.343
20	-30.14	-21.062	-21.386	-14.679	-31.266	-28.845	-29.194	-27.34	-19.552	-19.764
21	-28.131	-22.039	-20.24	-15.021	-33.514	-30.263	-30.532	-30.268	-21.214	-19.661
22	-26.534	-19.995	-16.902	-13.067	-27.885	-28.476	-26.252	-28.768	-20.489	-21.749
23	-23.598	-20.98	-16.779	-14.703	-27.782	-25.841	-28.498	-26.644	-20.289	-19.929
24	-27.653	-19.014	-18.775	-15.037	-26.421	-27.024	-33.684	-25.222	-20.165	-19.063
25	-29.854	-21.138	-19.11	-13.947	-31.608	-34.071	-29.626	-23.603	-18.673	-21.037
26	-23.155	-22.368	-20.444	-14.06	-26.857	-29.988	-28.318	-29.394	-20.171	-19.68
27	-23.433	-19.709	-19.833	-13.449	-32.924	-24.88	-30.417	-28.18	-19.894	-18.845
28	-28.336	-21.849	-20.361	-12.603	-26.191	-30.307	-27.365	-24.248	-23.819	-20.224
29	-29.949	-19.705	-18.451	-13.017	-31.436	-25.096	-28.905	-25.474	-19.208	-17.135
30	-25.413	-21.217	-18.801	-12.908	-28.67	-28.656	-28.693	-25.538	-22.83	-17.451
31	-26.409	-21.125	-21.995	-14.855	-29.924	-33.18	-29.03	-26.682	-20.194	-17.039
32	-24.561	-21.88	-19.713	-13.661	-31.915	-28.991	-31.729	-23.4	-20.872	-20.042
33	-25.242	-21.289	-21.734	-13.212	-27.89	-29.178	-24.993	-28.306	-20.815	-19.688
34	-26.068	-23.138	-18.01	-13.137	-30.757	-33.592	-32.765	-23.434	-21.735	-18.543
35	-24.442	-23.313	-21.02	-14.991	-30.612	-32.151	-24.718	-25.777	-23.352	-18.124
36	-23.881	-18.589	-17.953	-13.908	-30.386	-34.096	-29.117	-22.795	-24.054	-17.105
37	-29.315	-21.151	-18.479	-13.036	-26.365	-32.089	-28.347	-25.046	-22.484	-20.084
38	-27.432	-23.365	-18.714	-15.047	-26.075	-29.125	-33.332	-28.533	-19.433	-20.483

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-10	-18	-18	-18	-16	-14.4	-12	-10	-18	-18
LowLimit										
Average =	-13.93	-29.25	-29.93	-29.55	-27.57	-21.18	-19.53	-13.98	-29.62	-29.10
STD DEV =	0.74	2.60	2.34	2.71	2.40	1.41	1.51	0.76	2.54	2.41
Cpu	1.76	1.44	1.70	1.42	1.61	1.60	1.66	1.75	1.53	1.54
Cpl										
Cpk	1.76	1.44	1.70	1.42	1.61	1.60	1.66	1.75	1.53	1.54
DATA	-	-	-	-	-	-	-	-	-	-
1	-13.888	-26.936	-27.759	-25.28	-28.437	-22.652	-20.784	-13.889	-29.199	-25.722
2	-13.969	-27.925	-33.742	-33.171	-24.215	-18.758	-20.072	-14.426	-26.957	-29.853
3	-15.082	-32.236	-30.07	-26.533	-27.215	-22.748	-16.827	-13.762	-31.128	-32.659
4	-15.111	-32.172	-29.601	-28.09	-27.055	-22.543	-18.122	-14.418	-28.659	-29.269
5	-13.998	-26.818	-25.009	-28.71	-26.381	-20.025	-18.143	-14.2	-24.64	-27.303
6	-14.27	-30.616	-28.139	-33.086	-26.419	-21.149	-18.098	-13.05	-28.37	-31.468
7	-14.656	-28.184	-33.792	-32.177	-29.94	-20.827	-22.087	-12.999	-27.108	-30.63
8	-12.824	-29.164	-31.899	-33.176	-28.309	-22.879	-16.625	-13.289	-24.607	-26.101
9	-14.02	-31.793	-27.02	-31.31	-29.611	-22.479	-19.264	-13.47	-31.908	-26.405
10	-12.708	-31.683	-30.917	-30.743	-24.23	-23.679	-21.923	-14.965	-27.641	-27.602
11	-14.417	-26.192	-30.098	-27.317	-30.23	-21.313	-20.624	-15.039	-28.672	-33.959
12	-14.093	-25.673	-28.447	-25.828	-24.141	-22.933	-18.885	-12.826	-31.778	-32.596
13	-13.056	-28.966	-29.133	-24.876	-24.397	-20.334	-19.797	-15.124	-30.282	-28.891
14	-13.065	-24.632	-26.528	-33.305	-30.871	-21.34	-19.812	-14.162	-31.207	-28.331
15	-13.947	-26.523	-32.474	-29.967	-26.648	-22.456	-21.525	-14.901	-31.557	-29.23
16	-13.138	-24.762	-33.587	-26.294	-27.069	-21.794	-20.039	-13.926	-32.879	-24.614
17	-13.371	-31.87	-33.602	-31.591	-25.929	-19.705	-18.388	-13.119	-33.095	-27.543
18	-12.622	-29.91	-27.41	-32.981	-31.12	-21.116	-21.248	-12.984	-32.157	-26.473
19	-14.874	-25.338	-28.409	-26.786	-27.564	-19.552	-16.971	-13.741	-32.031	-29.252
20	-14.12	-31.743	-31.713	-31.223	-31.088	-19.01	-20.204	-13.616	-30.12	-31.151
21	-14.426	-27.81	-30.404	-24.766	-25.283	-20.675	-18.438	-14.73	-30.285	-30.374
22	-15.07	-28.572	-30.919	-32.134	-30.476	-19.688	-17.724	-14.921	-31.63	-30.473
23	-14.054	-28.522	-32.763	-29.694	-29.679	-20.634	-20.752	-14.399	-31.128	-25.579
24	-14.98	-30.822	-26.643	-29.654	-30.201	-20.145	-20.989	-14.663	-33.028	-27.008
25	-13.415	-26.593	-28.196	-33.917	-26.642	-21.733	-21.678	-13.284	-33.504	-30.289
26	-15.058	-31.513	-28.328	-29.491	-24.63	-22.227	-20.092	-13.503	-26.793	-30.59
27	-14.666	-29.924	-29.235	-30.484	-22.679	-22.166	-20.562	-14.705	-24.69	-25.787
28	-14.751	-29.305	-30.966	-31.828	-29.142	-19.658	-21.089	-14.059	-32.675	-31.686
29	-13.096	-31.243	-28.476	-31.466	-29.63	-23.381	-19.054	-12.627	-27.273	-28.744
30	-12.936	-33.338	-27.743	-27.192	-28.265	-21.423	-20.622	-12.928	-32.814	-31.33
31	-13.521	-28.725	-33.789	-27.306	-23.418	-20.799	-18.852	-14.548	-30.415	-28.337
32	-13.928	-26.326	-30.97	-31.174	-26.934	-20.571	-20.001	-15.012	-28.648	-27.361
33	-13.676	-34.096	-26.772	-29.598	-29.62	-18.785	-20.182	-15.01	-27.887	-32.74
34	-12.601	-26.551	-31.464	-30.184	-28.844	-21.606	-17.437	-14.381	-29.833	-26.238
35	-14.474	-32.134	-29.119	-29.83	-25.372	-23.853	-18.934	-13.511	-27.3	-31.17
36	-14.1	-33.174	-29.254	-30.769	-25.289	-19.465	-20.992	-13.563	-25.383	-32.501
37	-13.765	-31.811	-33.146	-25.339	-30.434	-18.85	-18.094	-12.744	-29.203	-30.227
38	-13.573	-27.856	-29.911	-25.696	-30.156	-21.932	-17.225	-14.722	-28.992	-26.403

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-29.17	-26.90	-21.06	-19.76	-13.69	-28.47	-29.21	-29.34	-26.38	-21.09
STD DEV =	2.68	2.36	1.52	1.60	0.76	2.59	2.43	2.53	2.48	1.30
Cpu	1.39	1.54	1.46	1.62	1.61	1.35	1.54	1.49	1.40	1.71
Cpl										
Cpk	1.39	1.54	1.46	1.62	1.61	1.35	1.54	1.49	1.40	1.71
DATA	-	-	-	-	-	-	-	-	-	-
1	-28.938	-24.775	-19.853	-20.699	-14.313	-27.728	-29.833	-32.018	-24.772	-21.246
2	-33.114	-25.716	-21.955	-21.216	-13.167	-24.783	-25.311	-25.637	-25.278	-21.494
3	-26.672	-24.59	-21.05	-19.921	-12.66	-29.403	-26.041	-30.894	-22.954	-21.899
4	-27.54	-29.013	-23.026	-21.325	-13.179	-31.783	-31.67	-34.113	-28.235	-22.523
5	-30.1	-30.699	-20.796	-20.525	-12.707	-26.653	-28.901	-29.826	-25.595	-18.955
6	-30.97	-29.794	-19.514	-17.013	-12.76	-28.509	-29.077	-31.626	-26.065	-22.758
7	-25.31	-29.196	-21.497	-19.735	-13.886	-27.362	-31.895	-26.133	-27.344	-20.933
8	-32.281	-24.799	-18.699	-20.663	-13.186	-26.936	-27.751	-25.707	-28.339	-20.389
9	-28.389	-25.347	-19.603	-17.451	-13.778	-25.219	-30.069	-29.79	-26.582	-21.274
10	-25.005	-24.334	-20.893	-21.826	-13.82	-24.783	-31.408	-28.97	-29.963	-21.893
11	-31.879	-28.07	-21.652	-21.211	-13.484	-27.11	-24.925	-30.231	-22.787	-21.254
12	-32.737	-22.605	-19.304	-19.744	-14.753	-30.893	-29.843	-25.739	-23.941	-22.172
13	-29.127	-29.371	-22.816	-17.673	-12.679	-29.316	-30.021	-31.01	-30.472	-22.254
14	-28.989	-23.662	-18.829	-17.58	-14.391	-28.292	-33.227	-28.814	-29.515	-22.964
15	-33.928	-30.036	-19.761	-17.506	-13.362	-28.161	-28.041	-31.142	-29.802	-21.034
16	-31.805	-24.058	-21.862	-17.368	-13.056	-26.674	-26.178	-25.26	-28.983	-21.844
17	-27.515	-26.428	-19.719	-19.901	-12.855	-31.58	-29.349	-33.515	-29.139	-20.199
18	-31.852	-27.406	-19.231	-17.872	-13.852	-26.891	-30.734	-30.006	-28.222	-22.577
19	-28.224	-28.086	-20.453	-21.315	-14.177	-33.226	-27.696	-31.785	-23.348	-20.79
20	-29.164	-28.758	-21.285	-22.087	-13.804	-24.837	-31.916	-26.676	-30.018	-20.374
21	-32.922	-25.31	-21.055	-20.458	-14.814	-30.347	-27.41	-31.783	-28.033	-21.137
22	-26.941	-28.018	-20.603	-19.715	-12.589	-27.998	-26.931	-30.174	-27.092	-20.078
23	-30.364	-25.315	-19.227	-18.202	-15.038	-30.416	-31.562	-27.884	-25.285	-19.047
24	-28.902	-30.051	-23.489	-18.875	-13.928	-29.285	-26.511	-31.072	-22.756	-22.741
25	-24.887	-25.538	-19.49	-18.813	-14.758	-25.057	-31.989	-27.173	-24.63	-19.425
26	-25.045	-24.477	-20.402	-19.106	-14.967	-27.471	-28.761	-27.47	-28.406	-19.391
27	-31.175	-26.068	-23.382	-19.457	-14.954	-29.822	-29.4	-32.733	-27.906	-19.553
28	-26.05	-30.409	-20.501	-16.686	-13.893	-29.315	-24.569	-25.7	-23.172	-19.311
29	-27.954	-29.317	-21.417	-20.875	-12.849	-28.273	-32.936	-31.601	-24.346	-18.882
30	-29.618	-28.162	-22.649	-20.55	-14.968	-26.371	-32.519	-29.31	-23.145	-20.361
31	-28.177	-24.566	-23.487	-22.075	-12.958	-25.964	-26.89	-26.612	-22.86	-22.171
32	-29.713	-27.665	-23.605	-21.716	-12.561	-25.548	-28.542	-28.398	-26.576	-21.625
33	-28.329	-24.351	-20.43	-21.977	-14.012	-32.432	-25.56	-27.484	-25.665	-19.314
34	-27.756	-30.202	-20.6	-20.338	-13.052	-33.695	-31.719	-31.253	-27.409	-23.177
35	-33.625	-27.943	-18.729	-17.947	-14.271	-30.077	-29.268	-30.232	-23.895	-21.209
36	-24.998	-30.043	-23.446	-21.435	-13.552	-33.746	-29.658	-32.853	-29.917	-19.786
37	-33.052	-23.631	-23.394	-18.802	-13.465	-31.285	-28.49	-29.463	-27.294	-21.711
38	-25.494	-24.482	-22.532	-21.212	-13.785	-24.679	-33.494	-24.683	-22.79	-23.81

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	Hipot
Condition:	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	
HighLimit	-12	-10	-18	-18	-18	-16	-14.4	-12	-10	
LowLimit										1500VAC/ 60s/1mA
Average =	-19.70	-14.12	-29.36	-29.13	-29.68	-26.33	-21.32	-19.86	-13.95	
STD DEV =	1.59	0.69	2.69	2.58	2.77	2.49	1.58	1.64	0.74	
Cpu	1.62	1.99	1.41	1.44	1.41	1.38	1.46	1.60	1.77	
Cpl										
Cpk	1.62	1.99	1.41	1.44	1.41	1.38	1.46	1.60	1.77	
DATA	-	-	-	-	-	-	-	-	-	
1	-20.289	-14.176	-33.356	-27.73	-30.274	-25.847	-21.202	-19.367	-13.746	Pass
2	-17.95	-14.76	-31.505	-28.625	-30.413	-24.103	-19.346	-18.245	-13.284	Pass
3	-20.895	-14.775	-27.358	-29.225	-25.542	-26.651	-20.142	-20.961	-12.814	Pass
4	-21.899	-15.114	-24.977	-34.043	-27.899	-26.55	-19.152	-17.138	-12.716	Pass
5	-21.062	-13.964	-25.089	-30.022	-24.694	-22.608	-23.057	-17.336	-13.112	Pass
6	-17.531	-14.905	-30.895	-26.697	-30.081	-26.758	-22.327	-21.931	-14.375	Pass
7	-20.645	-13.022	-30.321	-25.58	-29.896	-28.528	-20.28	-18.114	-13.668	Pass
8	-16.607	-14.593	-28.298	-25.036	-25.756	-26.83	-20.009	-22.018	-13.655	Pass
9	-21.988	-13.72	-28.684	-31.378	-32.487	-23.804	-23.444	-17.685	-14.727	Pass
10	-20.123	-14.304	-31.646	-30.17	-29.65	-30.702	-20.859	-19.114	-15.019	Pass
11	-20.985	-14.705	-31.053	-25.406	-28.688	-26.654	-22.87	-21.425	-12.872	Pass
12	-18.77	-14.472	-30.67	-26.693	-26.627	-24.957	-20.034	-18.727	-13.938	Pass
13	-19.859	-13.923	-24.619	-28.116	-29.652	-24.159	-21.443	-21.26	-12.796	Pass
14	-20.601	-13.289	-31.558	-28.072	-27.909	-22.955	-22.972	-16.792	-13.941	Pass
15	-17.592	-15.047	-33.786	-32.347	-33.145	-29.134	-19.818	-21.369	-13.202	Pass
16	-18.207	-14.091	-24.621	-33.445	-29.94	-30.172	-19.351	-18.388	-14.953	Pass
17	-20.24	-12.604	-28.924	-32.098	-34.09	-30.938	-21.711	-21.777	-14.862	Pass
18	-21.635	-15.006	-30.193	-26.52	-33.721	-28.394	-22.649	-19.054	-14.655	Pass
19	-21.059	-14.529	-26.896	-26.251	-29.478	-29.828	-20.347	-19.71	-14.2	Pass
20	-19.712	-14.376	-30.485	-30.234	-28.814	-27.189	-19.699	-17.873	-13.593	Pass
21	-21.03	-12.709	-26.164	-26.811	-33.767	-23.606	-19.426	-22.117	-13.476	Pass
22	-21.139	-14.863	-30.291	-30.407	-33.569	-27.408	-23.474	-16.766	-14.247	Pass
23	-21.075	-13.232	-30.77	-26.31	-33.84	-22.982	-19.838	-20.806	-14.338	Pass
24	-21.967	-14.607	-27.538	-30.373	-32.276	-23.936	-23.766	-20.567	-15.09	Pass
25	-20.947	-13.667	-30.83	-27.4	-29.061	-27.123	-19.904	-21.106	-14.243	Pass
26	-19.192	-14.775	-32.303	-28.713	-24.883	-26.056	-23.474	-20.589	-15.021	Pass
27	-19.374	-13.265	-34.09	-25.251	-25.778	-23.939	-19.955	-20.327	-13.476	Pass
28	-17.656	-14.026	-27.485	-28.482	-30.26	-23.783	-22.228	-19.723	-13.041	Pass
29	-20.912	-13.819	-25.875	-28.969	-29.867	-27.649	-23.511	-21.786	-14.664	Pass
30	-18.15	-13.776	-25.031	-30.773	-30.235	-24.009	-20.401	-21.424	-14.792	Pass
31	-17.304	-13.253	-31.879	-28.528	-26.234	-22.748	-23.373	-17.448	-13.858	Pass
32	-18.805	-14.603	-29.332	-33.913	-33.09	-29.474	-20.693	-19.83	-13.848	Pass
33	-19.383	-14.844	-28.999	-29.796	-28.801	-24.508	-21.108	-21.956	-13.767	Pass
34	-16.842	-14.403	-27.985	-31.396	-32.007	-27.54	-21.797	-20.984	-14.559	Pass
35	-21.295	-13.874	-31.408	-32.79	-29.441	-25.401	-20.749	-20.168	-14.966	Pass
36	-18.732	-14.523	-32.555	-33.97	-27.311	-23.807	-18.634	-21.039	-13.143	Pass
37	-16.847	-12.822	-31.817	-27.589	-25.549	-29.903	-24.08	-20.706	-12.711	Pass
38	-20.464	-14.13	-26.52	-27.732	-33.207	-30.015	-23.03	-19.15	-14.64	Pass

Appendix 2

HX6101NL Thermal Shock100cycles Electrical Test Data

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1,2,3-4,5,6	4,5,6-7,8,9	7,8,9-10,11,12	10,11,12-13,14,15	13,14,15-16,17,18	16,17,18-19,20,21	19,20,21-22,23,24	22,23,24-25,26,27	25,26,27-28,29,30	28,29,30-31,32,33
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	89.60	84.25	84.09	83.89	83.87	83.99	84.19	83.52	84.19	81.33
STD DEV =	1.00	0.83	0.68	0.68	0.64	0.74	0.84	0.79	0.63	0.67
Cpu										
Cpl	26.58	29.78	36.10	36.25	38.20	33.42	29.58	30.85	39.55	35.32
Cpk	26.58	29.78	36.10	36.25	38.20	33.42	29.58	30.85	39.55	35.32
DATA	-	-	-	-	-	-	-	-	-	-
1	88.413	83.713	83.999	84.047	83.325	83.043	82.85	82.163	83.275	81.146
2	87.507	83.212	83.469	83.669	84.376	83.826	82.969	82.152	82.783	80.385
3	89.714	84.631	83.836	82.685	82.256	82.393	82.839	83.232	83.82	81.44
4	89.64	84.918	85.373	84.114	83.187	82.879	83.02	83.669	84.43	81.474
5	89.456	83.626	83.456	83.524	84.066	84.634	84.43	82.813	83.28	80.286
6	88.948	83.899	84.533	84.451	85.045	84.663	83.633	82.961	83.838	80.934
7	89.15	82.839	84.163	84.736	84.552	84.916	84.45	82.951	83.546	81.064
8	91.286	84.218	83.518	83.639	83.956	85.12	86.271	85.104	84.661	81.34
9	87.728	82.52	83.164	83.486	84.164	85.034	84.834	83.744	83.353	80.127
10	88.121	83.552	84.205	84.676	83.998	84.234	83.614	82.588	83.722	81.519
11	89.325	84.283	84.59	84.691	84.111	83.682	83.592	83.116	83.865	81.569
12	91.85	84.933	84.105	83.36	83.236	84.116	84.913	85.196	85.736	82.298
13	89.826	83.5	83.698	83.989	84.395	84.995	85.332	83.722	83.555	80.408
14	88.941	83.432	83.886	84.014	84.593	84.644	84.02	82.95	83.304	81.53
15	90.502	85.111	85.445	84.418	83.549	83.402	84.082	83.801	84.913	82.472
16	91.353	85.857	84.659	83.87	83.618	83.676	84.491	84.53	84.888	81.459
17	89.465	85.047	84.776	84.987	84.461	84.088	83.997	83.265	83.94	81.488
18	88.498	83.702	83.303	84.139	84.241	85.053	84.684	83.301	83.81	80.306
19	91.099	84.684	83.617	83.09	83.207	83.993	85.14	84.461	84.835	81.01
20	88.419	83.555	83.584	83.586	84.305	84.829	85.124	83.513	83.807	80.458
21	89.803	84.823	84.304	83.436	82.861	82.681	83.3	83.127	84.01	82.134
22	89.642	85.026	84.812	84.76	83.707	83.051	83.429	82.89	84.844	82.037
23	89.278	83.227	83.102	82.596	83.354	84.119	84.57	84.106	84.163	80.724
24	90.222	85.17	84.049	83.549	82.852	83.024	84.256	84.349	84.963	81.575
25	90.513	85.135	84.328	83.19	83.088	83.448	84.494	84.241	84.959	81.456
26	90.681	85.17	84.791	84.009	82.894	82.977	84.121	84.299	85.039	82.455
27	89.302	83.559	83.193	82.875	83.207	84.241	84.427	84.405	84.271	80.58
28	88.717	84.683	84.813	84.924	84.553	83.457	83.088	82.537	84.217	81.899
29	90.528	83.688	82.566	82.829	84.086	84.695	85.824	84.556	84.511	80.826
30	89.904	83.767	83.512	83.821	84.285	84.584	84.916	83.253	83.691	80.855
31	88.862	83.406	83.477	84.122	84.656	84.813	83.7	82.759	83.952	80.465
32	88.907	84.056	84.764	84.246	84.645	83.339	83.059	82.728	84.228	81.66
33	89.806	85.739	85.182	85.355	84.181	83.744	84.141	83.283	84.574	82.615
34	90.414	84.968	84.828	83.647	83.655	83.914	84.528	83.32	84.491	82.072
35	90.858	85.611	84.717	83.032	83.454	84.137	84.366	84.138	84.925	82.13
36	89.009	83.513	83.704	84.081	84.866	84.16	83.722	83.37	84.5	81.539
37	90.072	84.614	83.442	83.301	84.054	84.624	85.522	84.723	84.546	80.982
38	89.108	84.185	84.409	84.752	84.055	83.429	83.522	82.338	83.898	81.815

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31,32,33-34,35,36	34,35,36-37,38,39	37,38,39-40,41,42	40,41,42-43,44,45	43,44,45-46,47,48	2-3	5-6	8-9	11-12	14-15
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	mohms	mohms	mohms	mohms	mohms
HighLimit						2000	2000	2000	2000	2000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	84.75	85.24	85.05	84.85	84.89	1,196.75	1,198.52	1,198.60	1,186.48	1,204.01
STD DEV =	0.63	0.66	0.72	0.80	0.76	16.19	23.99	20.28	16.96	18.56
Cpu						16.53	11.13	13.17	15.99	14.29
Cpl	39.44	37.75	34.67	31.28	32.79	24.43	16.51	19.53	23.12	21.44
Cpk	39.44	37.75	34.67	31.28	32.79	16.53	11.13	13.17	15.99	14.29
DATA	-	-	-	-	-	-	-	-	-	-
1	84.444	84.922	83.982	83.171	83.026	1199.228	1199.473	1199.682	1199.447	1199.796
2	84.502	84.816	84.71	83.892	83.184	1200.236	1200.421	1200.214	1200.418	1200.704
3	84.253	83.471	83.314	83.638	84.695	1176.317	1200.531	1173.778	1178.991	1224.554
4	84.348	84.497	83.849	83.571	83.777	1195.208	1197.59	1172.232	1206.589	1217.106
5	84.152	85.187	85.533	86.078	85.947	1170.496	1213.86	1169.98	1193.882	1206.835
6	84.963	85.547	86.021	84.865	84.298	1180.137	1204.45	1185.508	1202.033	1223.742
7	84.793	86.112	85.511	85.158	84.324	1200.704	1223.86	1180.218	1196.237	1202.434
8	84.448	84.69	85.296	86.173	86.323	1197.781	1225.44	1211.443	1189.581	1237.563
9	83.92	85.515	85.598	84.934	84.142	1185.141	1218.085	1183.211	1186.193	1209.009
10	85.127	85.713	85.294	84.605	84.202	1163.556	1217.133	1182.042	1207.345	1217.667
11	85.819	86.178	85.833	84.466	84.459	1186.496	1198.811	1179.929	1186.175	1248.653
12	84.634	84.575	84.298	84.544	85.524	1190.98	1213.692	1172.316	1224.333	1204.073
13	84.611	85.622	85.963	85.666	85.3	1167.302	1235.571	1191.496	1208.123	1212.379
14	85.111	86.322	85.824	85.559	85.13	1212.434	1225.999	1170.172	1174.272	1211.06
15	85.644	85.354	84.343	84.072	85.033	1200.393	1237.15	1178.48	1187.396	1191.787
16	84.124	84.919	84.871	85.608	85.631	1216.346	1220.335	1194.424	1200.429	1207.508
17	85.22	86.316	85.31	84.147	84.275	1206.07	1233.119	1203.258	1210.494	1203.289
18	84.62	85.394	85.63	85.284	84.535	1192.053	1228.576	1168.398	1186.076	1225.404
19	83.95	84.429	84.891	85.075	85.74	1168.489	1189.974	1194.955	1210.022	1204.157
20	83.754	85.205	84.944	85.124	84.947	1226.117	1213.458	1195.719	1176.54	1203.009
21	85.212	84.536	84.051	83.817	84.469	1187.199	1207.533	1205.934	1205.51	1246.607
22	85.015	84.912	84.352	84.065	84.497	1188.844	1231.127	1171.865	1178.946	1214.032
23	83.56	84.092	84.817	85.231	85.036	1198.584	1199.445	1199.49	1199.44	1199.267
24	84.964	84.678	83.781	84.182	84.758	1205.333	1169.205	1229.672	1178.871	1209.86
25	83.969	84.676	84.919	85.433	85.771	1203.962	1170.937	1226.983	1170.406	1202.986
26	84.91	85.126	84.667	84.462	85.131	1229.729	1175.963	1207.736	1174.178	1191.991
27	84.289	84.906	85.779	85.943	85.534	1202.65	1174.957	1220.096	1179.989	1179.563
28	85.538	85.66	85.052	84.179	84.319	1196.129	1165.993	1218.297	1188.382	1171.929
29	84.286	84.874	84.997	85.822	85.922	1181.39	1162.307	1193.651	1193.834	1181.559
30	84.027	85.199	85.546	85.904	85.776	1204.099	1172.954	1196.828	1174.719	1179.007
31	84.507	85.525	85.588	85.212	85.153	1213.903	1154.685	1234.039	1157.951	1212.551
32	85.308	86.134	85.641	84.925	84.901	1232.998	1196.388	1227.792	1159.826	1173.598
33	86.187	85.874	85.182	84.741	85.74	1215.56	1200.768	1242.918	1183.969	1169.062
34	85.253	85.658	84.708	84.327	84.821	1194.566	1190.259	1221.326	1152.987	1208.658
35	85.506	84.894	84.193	84.165	84.65	1185.493	1167.795	1201.74	1164.968	1181.618
36	85.873	86.675	86.561	85.858	85.13	1199.495	1155.026	1210.373	1170.815	1189.523
37	84.372	85.278	85.933	86.214	85.86	1195.005	1171.543	1204.153	1157.098	1197.254
38	85.288	85.593	84.947	84.315	83.785	1206.252	1179.484	1226.357	1169.662	1192.716

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	20-21	23-24	25-26	28-29	31-32	34-35	37-38	40-41	43-44
Unit	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms
HighLimit	2000	2000	2000	1000	1000	1000	1000	1000	1000	1000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	1,198.13	1,198.61	1,195.99	404.00	409.27	402.85	398.28	397.59	402.59	407.63
STD DEV =	14.99	20.62	13.85	8.85	41.19	12.66	5.20	4.06	8.49	18.68
Cpu	17.83	12.95	19.34	22.44	4.78	15.72	38.55	49.47	23.47	10.57
Cpl	26.42	19.21	28.53	14.83	3.23	10.34	24.87	31.83	15.42	7.10
Cpk	17.83	12.95	19.34	14.83	3.23	10.34	24.87	31.83	15.42	7.10
DATA	-	-	-	-	-	-	-	-	-	-
1	1199.6	1199.448	1199.363	399.753	399.781	399.897	399.89	399.854	399.492	392.52
2	1201.217	1201.581	1201.926	400.294	400.162	400.121	400.124	400.077	400.222	400.102
3	1183.194	1185.288	1187.707	397.949	412.72	395.859	403.745	396.472	411.656	448.324
4	1190.871	1191.442	1194.154	401.681	391.781	396.822	393.903	397.831	386.18	397.841
5	1204.388	1201.492	1190.272	396.029	409.493	398.986	393.066	400.312	389.822	397.232
6	1220.034	1197.471	1201.281	396.898	397.408	395.529	395.532	397.545	398.746	393.516
7	1220.525	1192.206	1196.729	403.877	398.142	396.779	394.504	394.531	398.146	393.755
8	1222.042	1218.075	1224.123	408.314	412.48	473.68	407.273	405.331	426.545	408.459
9	1219.129	1178.225	1205.039	420.016	417.06	399.474	400.369	395.533	409.08	503.829
10	1196.569	1201.704	1202.48	400.04	407.108	393.779	389.687	403.815	402.551	405.045
11	1205.133	1196.501	1193.495	403.201	398.322	395.71	391.346	402.887	393.242	393.263
12	1196.779	1216.109	1218.096	409.914	399.422	398.399	396.671	400.516	388.912	402.882
13	1203.538	1213.423	1209.38	412.104	401.914	395.802	393.494	405.141	392.486	401.455
14	1214.16	1186.997	1204.219	430.701	397.864	397.991	394.928	393.622	387.913	402.744
15	1203.692	1198.062	1200.85	398.229	401.796	402.709	389.6	391.413	392.171	403.09
16	1199.039	1199.924	1210.838	399.935	401.489	401.933	391.538	399.698	407.726	410.057
17	1198.594	1189.653	1188.705	384.005	398.423	400.69	395.693	398.959	399.145	418.304
18	1223.461	1186.375	1201.542	399.59	406.741	404.082	402.745	403.898	394.788	412.499
19	1188.393	1201.106	1199.408	399.897	657.419	392.439	391.134	398.632	402.067	392.39
20	1183.871	1193.277	1191.609	399.414	399.925	388.963	389.814	395.467	398.209	395.902
21	1218.756	1238.996	1176.135	395.84	398.251	399.532	392.927	401.411	404.067	403.646
22	1200.789	1198.388	1208.635	411.997	410.378	399.38	402.663	398.167	401.167	407.912
23	1199.481	1199.585	1198.808	399.653	399.861	399.916	399.839	399.881	399.747	399.76
24	1193.451	1201.199	1197.121	409.292	399.737	403.772	404.365	398.72	402.283	397.799
25	1229.123	1191.431	1194.377	394.877	400.354	408.192	401.637	399.16	408.641	401.336
26	1181.279	1185.373	1186.741	397.389	403.73	403.63	402.856	396.797	404.364	406.665
27	1176.474	1190.768	1197.038	418.084	402.752	403.267	396.958	400.207	419.045	409.052
28	1198.074	1176.373	1171.27	398.396	397.056	411.988	396.564	393.567	411.178	405.757
29	1177.77	1188.114	1185.105	406.976	402.8	407.294	397.903	395.674	397.333	399.465
30	1191.422	1189.89	1186.914	407.229	397.936	408.53	403.463	397.796	405.993	409.152
31	1183.478	1297.567	1201.332	400.554	403.39	403.205	404.639	395.321	410.494	406.616
32	1176.984	1200.943	1229.703	408.73	417.86	401.845	397.515	392.763	406.127	411.091
33	1179.847	1194.294	1185.679	399.854	403.074	399.151	398.142	397.802	404.672	423.039
34	1172.042	1204.535	1201.765	413.181	402.214	407.075	405.62	390.467	411.165	412.311
35	1188.128	1204.247	1174.579	420.869	403.107	402.949	398.571	391.897	404.547	399.882
36	1195.223	1169.774	1177.437	411.442	404.261	406.854	408.682	398.238	408.346	408.246
37	1211.816	1170.126	1156.937	391.765	393.707	411.426	403.554	388.946	409.368	404.982
38	1180.631	1197.148	1196.823	403.966	402.389	400.474	403.623	390.076	410.65	410.203

Parameter	DCR	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	2-1	1-3	5-4	4-6	8-7	7-9	11-10	10-12	14-13
Unit	mohms	n	n	n	n	n	n	n	n	n
HighLimit	1000	500	500	500	500	500	500	500	500	500
LowLimit	10									
Average =	396.98	197.79	209.07	207.27	209.17	210.83	210.95	208.28	209.92	209.81
STD DEV =	6.75	16.55	3.58	4.44	2.44	4.08	2.77	2.58	3.22	2.90
Cpu	29.78	6.09	27.07	21.98	39.68	23.61	34.82	37.72	29.99	33.38
Cpl	19.11									
Cpk	19.11	6.09	27.07	21.98	39.68	23.61	34.82	37.72	29.99	33.38
DATA	-	-	-	-	-	-	-	-	-	-
1	399.814	171.554	211.575	208.572	206.341	209.393	207.922	209.91	209.47	209.548
2	400.018	210.11	209.951	209.825	209.516	208.34	210.155	210.617	210.58	209.584
3	386.759	198.695	210.45	209.026	207.241	216.855	215.053	209	207.504	205.003
4	395.887	194.155	211.541	213.535	205.57	214.987	208.745	208.935	211.77	207.496
5	387.669	221.064	211.839	211.905	206.713	215.974	212.639	205.94	207.299	213.784
6	392.127	199.281	208.09	208.959	208.274	212.478	208.157	208.609	206.713	212.959
7	412.318	208.141	214.767	209.346	211.22	215.857	214.758	211.86	208.575	207.369
8	406.282	250.063	210.622	213.029	207.457	216.153	217.329	208.096	203.91	211.167
9	404.704	206.063	212.795	207.897	209.125	213.453	210.944	206.637	206.071	208.999
10	385.729	187.563	207.655	207.683	203.198	215.186	212.024	211.959	211.828	210.912
11	387.674	183.159	206.625	206.347	206.937	209.206	210.763	204.416	204.156	214.776
12	396.136	207.54	211.137	214.809	210.93	213.268	211.226	210.501	207.86	211.901
13	388.334	203.712	214.33	210.302	210.558	214.439	214.083	212.041	215.122	210.903
14	395.516	219.416	212.948	207.64	205.067	215.532	210.922	210.15	207.323	207.425
15	398.617	170.02	210.502	208.66	208.327	208.919	209.749	206.188	207.548	208.652
16	396.069	175.736	210.679	209.511	208.121	215.227	211.806	206.228	213.211	207.626
17	406.695	171.985	212.082	210.87	206.704	216.08	212.352	210.553	209.169	212.519
18	392.508	170.537	211.598	216.099	209.688	215.048	212.308	212.258	208.162	214.724
19	384.879	175.48	211.03	207.119	208.586	212.314	217.288	208.204	205.393	208.177
20	396.604	190.51	212.345	204.7	207.54	212.04	213.396	209.275	209.598	210.984
21	391.334	174.655	208.581	210.589	209.376	214.016	215.866	210.378	210.806	215.076
22	401.916	171.029	213.583	217.076	212.696	213.881	211.059	207.354	204.935	209.821
23	399.518	204.264	210.153	210.499	212.256	208.482	209.027	209.572	210.809	211.769
24	394.813	201.17	207.024	199.961	206.545	210.667	210.79	209.341	213.104	209.093
25	396.864	208.403	204.806	204.243	210.247	208.296	206.476	210.285	215.221	210.645
26	405.163	200.665	208.076	201.234	208.542	209.907	210.889	205.552	212.736	206.392
27	406.614	199.693	203.662	203.378	211.854	205.244	208.368	208.815	213.653	205.758
28	398.139	196.655	207.445	203.282	212.454	207.229	206.91	209.68	216.184	213.582
29	390.765	201.318	200.964	206.235	209.637	201.24	209.118	210.083	215	214.129
30	398.737	204.188	207.75	202.88	208.882	204.799	205.429	207.88	210.618	210.386
31	405.57	206.265	210.731	201.916	214.011	209.281	211.973	205.747	211.223	209.035
32	405.605	208.431	208.009	206.679	214.246	209.76	208.768	204.069	210.034	207.758
33	401.259	202.684	205.051	202.942	209.445	207.023	210.767	208.569	208.595	209.364
34	401.02	202.282	204.425	203.603	211.835	206.122	209.181	200.601	207.069	209.883
35	390.568	199.483	198.768	200.655	207.623	203.343	206.947	206.072	211.182	203.901
36	398.816	208.933	212.014	202.045	211.072	209.276	211.334	203.151	210.193	208.186
37	395.044	203.646	205.268	202.376	210.892	205.905	210.358	208.896	208.598	210.114
38	389.222	207.57	205.872	200.949	209.656	206.449	211.236	207.368	215.617	203.422

Parameter	LL	LL	LL	LL	LL	LL	LL	BL	BL	BL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	13-15	17-16	16-18	20-19	19-21	23-22	22-24	2-1:1-3	5-4:4-6	8-7:7-9
Unit	n	n	n	n	n	n	n	*1	*1	*1
HighLimit	500	500	500	500	500	500	500	1.2	1.2	1.2
LowLimit								0.8	0.8	0.8
Average =	210.32	205.93	207.92	209.79	207.53	207.52	209.80	0.97	0.99	1.00
STD DEV =	2.84	5.79	3.38	3.35	3.50	3.87	2.95	0.04	0.03	0.01
Cpu	33.99	16.94	28.79	28.84	27.89	25.20	32.84	2.11	2.75	4.52
Cpl								1.57	2.52	4.49
Cpk	33.99	16.94	28.79	28.84	27.89	25.20	32.84	1.57	2.52	4.49
DATA	-	-	-	-	-	-	-	-	-	-
1	209.846	209.46	210.11	210.478	211.718	209.992	210.03	0.911	1.011	1.007
2	208.307	210.095	211.711	210.176	209.128	210.02	210.272	1.001	1.001	0.991
3	207.512	199.781	201.9	211.264	205.8	201.674	206.664	0.944	1.009	1.008
4	210.276	200.441	205.911	208.247	204.363	205.837	210.969	0.918	1.039	1.03
5	213.239	199.535	203.186	205.282	208.405	205.162	210.23	1.044	1.025	1.016
6	210.659	204.565	211.382	207.361	206.204	201.767	210.129	0.958	1.003	1.021
7	209.465	200.638	204.111	207.941	201.929	204.964	205.273	0.969	0.991	1.005
8	213.25	200.563	205.469	212.648	206.558	206.578	208.363	1.007	1.027	0.995
9	208.045	200.242	206.382	205.055	203.375	205.747	210.078	0.968	0.994	1.012
10	209.924	195.272	207.34	215.113	205.238	203.445	205.717	0.903	1.022	1.015
11	209.709	196.152	202.323	204.276	206.513	206.111	207.745	0.986	0.997	0.993
12	209.862	202.435	204.55	212.132	204.237	204.102	209.994	0.983	1.018	1.01
13	209.782	202.497	205.611	206.323	207.173	203.745	209.87	0.95	0.999	1.002
14	206.4	202.815	206.459	206.274	202.353	201.444	208.985	1.03	1.013	1.022
15	206.914	200.838	203.514	211.632	206.95	205.289	205.829	0.908	1.002	0.996
16	208.354	200.417	206.507	205.678	203.199	203.402	207.229	0.934	1.007	1.016
17	207.771	204.456	209.58	204.817	205.122	208.512	213.076	0.911	1.02	1.018
18	218.289	207.347	209.222	210.88	202.81	205.072	206.403	0.906	1.031	1.013
19	207.562	197.766	204.252	210.61	209.085	210.652	211.515	0.932	0.993	0.977
20	215.503	201.526	203.838	203.965	204.894	201.645	207.777	0.997	0.986	0.994
21	215.147	203.313	203.394	208.234	203.955	201.778	207.37	0.937	1.006	0.991
22	208.517	202.336	206.893	211.518	212.959	210.331	213.786	1.001	1.021	1.013
23	210.362	210.097	208.163	211.486	208.338	210.188	209.635	0.972	0.992	0.997
24	213.012	215.615	211.775	213.903	212.702	213.852	215.906	0.972	0.968	0.999
25	209.931	208.607	209.06	217.708	213.889	211.425	214.942	1.018	0.971	1.009
26	208.27	208.912	205.452	214.765	209.812	212.244	212.526	0.964	0.965	0.995
27	205.745	210.198	213.546	211.464	207.027	208.29	209.042	0.981	0.96	0.985
28	212.383	212.647	212.927	209.794	210.739	211.846	209.828	0.948	0.957	1.002
29	210.949	208.286	208.147	211.681	207.476	207.535	204.011	1.002	0.984	0.962
30	211.377	211.806	209.875	207.525	207.035	209.486	210.279	0.983	0.971	0.997
31	213.384	207.923	210.808	215.395	215.95	211	211.507	0.979	0.943	0.987
32	209.351	208.3	211.528	206.668	214.643	214.045	216.162	1.002	0.965	1.005
33	214.173	212.947	211.79	212.955	209.872	209.287	205.819	0.988	0.969	0.982
34	210.75	212.578	211.605	206.866	205.962	212.058	209.275	0.99	0.961	0.985
35	203.992	208.273	206.35	209.81	204.813	202.859	207.451	1.004	0.966	0.983
36	210.439	215.814	212.609	208.619	205.999	214.237	213.379	0.985	0.957	0.99
37	211.637	212.412	210.63	212.028	210.841	212.151	213.401	0.992	0.96	0.979
38	212.058	218.362	212.955	211.328	209.074	207.969	211.775	1.008	0.958	0.977

Parameter	BL	BL	BL	BL	BL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-10: 10-12	14-13: 13-15	17-16: 16-18	20-19: 19-21	23-22: 22-24	1-2,3	4-5,6	7-8,9	10-11,12	13-14,15
Unit	*1	*1	*1	*1	*1	nH	nH	nH	nH	nH
HighLimit	1.2	1.2	1.2	1.2	1.2	110	110	110	110	110
LowLimit	0.8	0.8	0.8	0.8	0.8					
Average =	0.99	1.00	0.99	1.01	0.99	54.65	51.29	57.34	54.91	53.77
STD DEV =	0.02	0.01	0.02	0.02	0.01	2.57	2.50	3.82	1.69	1.94
Cpu	4.04	5.29	4.07	3.83	5.02	7.19	7.83	4.59	10.88	9.68
Cpl	3.75	5.17	3.70	4.27	4.51					
Cpk	3.75	5.17	3.70	3.83	4.51	7.19	7.83	4.59	10.88	9.68
DATA	-	-	-	-	-	-	-	-	-	-
1	1.002	0.999	0.997	0.994	1	53.765	53.259	54.408	53.688	54.811
2	1	1.006	0.992	1.005	0.999	56.038	55.663	54.943	54.994	52.707
3	1.007	0.988	0.99	1.027	0.976	52.751	53.422	61.252	54.234	51.798
4	0.987	0.987	0.973	1.019	0.976	56.884	49.207	54.581	56.595	51.425
5	0.993	1.003	0.982	0.985	0.976	55.782	52.832	58.19	52.561	55.993
6	1.009	1.011	0.968	1.006	0.96	56.625	52.314	58.689	54.001	54.805
7	1.016	0.99	0.983	1.03	0.998	57.025	55.573	61.22	56.606	55.083
8	1.021	0.99	0.976	1.029	0.991	60.348	53.526	63.37	52.3	55.302
9	1.003	1.005	0.97	1.008	0.979	57.231	51.158	59.382	53.633	54.055
10	1.001	1.005	0.942	1.048	0.989	55.06	50.552	60.025	55.947	55.398
11	1.001	1.024	0.97	0.989	0.992	55.269	51.595	56.984	51.509	56.97
12	1.013	1.01	0.99	1.039	0.972	56.89	55.912	58.611	55.119	53.201
13	0.986	1.005	0.985	0.996	0.971	58.261	53.697	63.126	57.283	53.148
14	1.014	1.005	0.982	1.019	0.964	56.925	49.496	61.423	55.698	51.129
15	0.993	1.008	0.987	1.023	0.997	53.442	51.301	58.193	55.041	52.75
16	0.967	0.997	0.971	1.012	0.982	57.679	51.623	61.285	54.874	50.762
17	1.007	1.023	0.976	0.999	0.979	54.657	53.362	62.146	57.899	54.142
18	1.02	0.984	0.991	1.04	0.994	55.293	53.39	61.922	55.064	57.217
19	1.014	1.003	0.968	1.007	0.996	56.589	52.439	63.113	52.299	51.923
20	0.998	0.979	0.989	0.995	0.97	56.046	49.912	62.926	53.624	57.573
21	0.998	1	1	1.021	0.973	55.153	48.829	61.4	55.476	55.341
22	1.012	1.006	0.978	0.993	0.984	57.044	53.215	60.528	52.259	52.566
23	0.994	1.007	1.009	1.015	1.003	55.693	54.977	55.581	55.872	54.793
24	0.982	0.982	1.018	1.006	0.99	52.903	49.645	56.409	55.326	54.51
25	0.977	1.003	0.998	1.018	0.984	52.034	52.742	53.697	57.901	55.139
26	0.966	0.991	1.017	1.024	0.999	53.972	49.81	54.587	52.951	50.644
27	0.977	1	0.984	1.021	0.996	50.289	48.864	50.328	55.336	50.488
28	0.97	1.006	0.999	0.996	1.01	50.305	50.293	53.221	56.962	56.901
29	0.977	1.015	1.001	1.02	1.017	49.769	48.141	51.734	56.784	55.451
30	0.987	0.995	1.009	1.002	0.996	53.626	45.756	52.087	55.547	52.783
31	0.974	0.98	0.986	0.997	0.998	53.126	44.955	55.43	54.723	53.066
32	0.972	0.992	0.985	0.963	0.99	54.523	51.878	54.268	54.386	52.833
33	1	0.978	1.005	1.015	1.017	52.032	48.679	56.757	53.632	54.478
34	0.969	0.996	1.005	1.004	1.013	51.018	50.741	53.082	52.135	53.366
35	0.976	1	1.009	1.024	0.978	51.662	48.43	51.415	55.85	49.992
36	0.966	0.989	1.015	1.013	1.004	57.307	49.972	54.728	54.261	53.604
37	1.001	0.993	1.008	1.006	0.994	49.193	50.739	52.826	57.238	54.52
38	0.962	0.959	1.025	1.011	0.982	54.397	50.993	54.873	56.785	52.457

Parameter	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17,18	19-20,21	22-23,24	2-3	5-6	8-9	11-12	14-15	17-18	20-21
Unit	nH	nH	nH	nH	nH	nH	nH	nH	nH	nH
HighLimit	110	110	110	500	500	500	500	500	500	500
LowLimit										
Average =	51.05	53.08	53.38	208.46	212.67	212.92	208.38	208.86	208.27	210.02
STD DEV =	4.31	3.12	2.36	4.98	5.12	4.30	4.85	4.63	4.98	5.33
Cpu	4.56	6.07	7.99	19.53	18.70	22.26	20.03	20.98	19.51	18.15
Cpl										
Cpk	4.56	6.07	7.99	19.53	18.70	22.26	20.03	20.98	19.51	18.15
DATA	-	-	-	-	-	-	-	-	-	-
1	53.988	54.554	54.262	210.668	208.449	211.922	211.539	210.21	210.304	209.455
2	53.669	54.297	54.715	209.686	209.332	209.292	210.978	209.804	208.429	207.812
3	45.635	55.952	51.884	204.197	210.585	210.778	203.799	205.742	202.864	202.571
4	46.271	51.743	56.041	206.596	220.379	218.715	209.441	208.692	209.541	206.713
5	44.854	53.333	57.524	206.95	215.197	217.046	201.673	215.742	202.425	208.875
6	50.201	50.962	54.242	199.676	207.074	215.751	200.332	208.962	209.385	205.268
7	46.829	51.03	52.371	209.839	213.834	219.43	206.062	203.71	204.558	202.014
8	45.744	54.622	54.142	212.67	212.864	219.595	203.418	212.545	212.275	207.755
9	49.615	50.442	51.816	209.396	220.033	215.608	204.871	209.149	201.184	201.953
10	44.545	55.586	52.91	206.485	212.527	218.672	214.01	208.454	206.302	203.035
11	45.165	51.036	52.666	202.84	211.872	213.725	202.942	207.895	202.819	208.449
12	47.498	54.096	54.709	211.48	222.715	218.459	208.442	215.85	204.407	205.16
13	46.678	49.101	55.333	206.517	217.822	211.711	212.676	208.921	209.447	209.18
14	48.327	48.882	52.852	218.274	212.973	212.96	204.309	205.73	201.841	209.302
15	47.757	52.947	54.185	204.682	212.123	210.924	196.39	205.118	209.37	208.022
16	45.736	50.299	54.721	206.748	209.491	213.797	210.327	206.271	206.037	201.785
17	50.292	50.344	58.33	214.443	213.858	214.592	202.344	209.94	211.007	204.73
18	51.937	51.884	52.147	211.603	227.18	215.368	211.701	221.688	206.413	207.804
19	46.877	53.003	57.359	202.081	207.194	211.519	206.158	207.179	201.852	215.456
20	45.763	49.79	51.505	211.63	208.386	213.175	209.963	209.056	206.732	207.511
21	48.985	51.24	52.044	205.635	217.443	221.577	207.335	217.857	202.023	202.738
22	48.668	54.209	55.906	210.114	223.969	209.545	201.876	213.75	203.565	218.539
23	55.204	56.548	52.108	208.532	211.537	209.784	210.912	207.421	207.955	209.828
24	58.476	58.965	55.585	208.029	207.726	209.193	214.1	206.463	208.838	215.896
25	55.28	60.288	54.892	207.736	210.868	208.89	214.984	207.9	210.589	211.486
26	54.236	56.12	54.718	209.462	201.869	219.121	213.277	206.779	202.631	214.518
27	53.573	58.605	49.164	205.555	211.154	212.529	214.552	198.78	220.931	207.578
28	54.514	56.193	53.758	209.398	211.157	211.182	219.844	207.101	217.544	212.012
29	54.259	52.963	48.643	203.882	211.804	205.669	212.206	210.744	202.665	219.152
30	55.064	52.644	50.223	208.449	208.444	209.323	208.475	215.509	212.368	210.527
31	53.366	60.279	51.638	218.013	214.308	218.274	210.555	207.731	212.456	212.877
32	53.667	50.257	54.595	223.378	212.625	211.269	204.936	203.307	210.104	222.124
33	55.089	51.634	49.514	208.72	213.287	202.932	211.114	211.48	215.663	218.141
34	56.136	47.927	52.599	208.843	216.657	210.252	204.581	211.631	212.916	213.081
35	53.443	48.546	48.356	194.549	206.26	206.185	208.06	197.731	203.366	216.015
36	58.393	50.887	56.001	206.577	209.859	214.172	210.003	209.252	212.315	211.543
37	55.345	52.803	53.313	208.571	210.714	208.849	206.619	208.581	216.711	218.899
38	58.896	53.025	51.827	209.398	208.06	209.147	213.52	204.059	214.535	212.905

Parameter	LL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-24	2-3	5-6	8-9	11-12	14-15	17-18	20-21	23-24	47-46
Unit	nH	uH	uH	uH	uH	uH	uH	uH	uH	*1
HighLimit	500									1.02
LowLimit		120	120	120	120	120	120	120	120	0.98
Average =	209.29	297.85	300.50	284.29	289.73	288.06	286.78	287.06	293.01	1.00
STD DEV =	4.36	11.72	15.32	10.66	17.63	14.23	10.14	18.40	16.35	0.00
Cpu	22.23									29.78
Cpl		5.06	3.93	5.14	3.21	3.94	5.48	3.03	3.53	29.93
Cpk	22.23	5.06	3.93	5.14	3.21	3.94	5.48	3.03	3.53	29.78
DATA	-	-	-	-	-	-	-	-	-	-
1	212.503	300.286	301.507	292.398	294.321	290.057	287.854	295.721	280.468	1
2	209.164	281.423	292.984	294.194	303.457	303.01	285.543	293.304	299.966	1
3	205.686	294.435	302.201	293.263	261.911	283.022	285.928	261.249	286.494	1
4	208.8	295.838	293.129	279.48	289.26	287.377	298.38	299.012	311.337	1
5	202.295	304.239	318.403	286.1	294.251	299.526	277.306	287.956	266.683	1
6	203.232	304.157	296.89	283.23	300.793	294.49	284.223	312.358	309.247	1
7	208.078	321.135	304.355	288.461	290.632	280.923	286.258	279.841	304.728	1
8	205.653	290.864	315.705	280.682	285.622	251.854	290.897	278.357	284.753	1
9	213.322	306.773	289.089	274.574	314.065	304.455	293.813	264.87	273.376	1
10	201.146	278.228	312.922	263.949	275.064	288.903	301.352	293.264	289.862	1
11	211.19	292.743	301.759	276.752	306.884	309.694	286.233	276.429	297.414	1.001
12	206.823	312.244	317.359	287.812	263.664	297.492	278.099	291.111	300.295	1
13	209.366	322.384	311.57	274.183	310.347	290.755	280.264	317.285	310.445	1
14	211.718	290.922	310.828	278.999	290.517	300.012	258.229	301.827	306.941	1
15	202.577	308.703	310.231	302.413	281.864	284.333	298.092	293.858	298.535	1.001
16	202.362	306.438	294.944	294.535	253.968	268.897	292.896	258.405	309.378	1
17	207.662	306.268	282.917	274.355	310.355	262.741	283.934	312.689	302.62	1
18	208.938	289.168	319.507	276.05	297.784	291.725	302.44	275.097	288.51	1
19	204.653	275.294	294.781	288.968	288.368	300.723	271.229	305.412	298.41	1
20	203.639	316.99	298.068	284.342	294.646	310.075	275.785	301.24	306.551	1
21	209.845	306.426	293.431	294.273	306.198	243.467	278.999	326.942	301.339	1
22	216.908	296.469	322.275	276.15	285.958	303.131	292.066	279.284	316.911	1
23	209.812	285.972	319.869	286.573	308.194	293.577	274.255	244.61	301.884	1
24	217.069	285.489	309.255	287.755	304.503	296.669	282.569	295.905	254.836	1
25	210.725	296.791	312.578	299.969	292.39	277.99	280.98	286.148	286.132	1
26	209.294	284.266	281.689	248.078	313.488	303.544	287.274	289.5	240.671	1
27	212.761	291.511	255.173	281.997	288.555	283.373	296.406	282.88	291.107	1
28	210.714	289.398	274.682	279.647	287.137	291.38	296.607	270.073	288.634	1
29	212.577	284.561	310.864	287.451	312.792	278.714	275.236	251.236	273.152	1
30	217.697	317.842	286.901	277.665	249.99	278.786	301.379	290.915	307.599	1
31	209.411	290.668	281.766	302.459	259.415	279.223	281.634	250.813	287.86	1
32	218.287	297.977	305.336	278.738	273.572	285.295	281.446	274.854	285.253	1
33	206.761	303.468	295.042	300.225	277.239	284.585	305.31	298.799	290.896	1
34	213.072	299.498	320.155	297.109	253.866	286.887	301.577	303.94	324.463	1
35	205.646	304.753	299.48	285.581	292.226	278.457	279.351	283.104	290.527	1
36	211.276	305.154	269.194	286.984	295.582	289.997	289.362	291.777	296.768	1
37	213.139	281.657	317.707	275.603	309.669	301.83	278.131	296.796	285.519	1
38	209.398	297.787	294.54	282.09	291.016	289.156	296.389	291.32	284.857	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	2-3	44-43	5-6	41-40	8-9	38-37	11-12	35-34	14-15	32-31
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	39.62	29.78	19.59	29.78	29.78	29.78	18.87	29.78	39.62	41.59
Cpl	43.68	29.93	19.85	29.93	29.93	29.93	20.58	29.93	43.68	41.70
Cpk	39.62	29.78	19.59	29.78	29.78	29.78	18.87	29.78	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1	1	1	1	1	1	1.001	1
2	1.001	1	1	1	1	1	1.001	1	1.001	1
3	1.001	1.001	1	1	1	1	1.001	1	1.001	1
4	1.001	1	1	1	1	1	1	1	1.001	1
5	1.001	1	1	1	1	1	1.001	1	1.001	1
6	1.001	1	1	1	1	1	1.001	1	1.001	1
7	1.001	1	1	1.001	1	1	1.001	1	1.001	1
8	1.001	1	1	1	1	1	1.001	1	1.001	1
9	1.001	1	1.001	1	1	1.001	1	1	1.001	1
10	1.001	1	1	1	1	1	1.001	1	1.001	1
11	1.001	1	1	1	1.001	1	1.001	1.001	1.001	1
12	1	1	1	1	1	1	1.001	1	1.001	1
13	1.001	1	1	1	1	1	1.001	1	1.001	1
14	1.001	1	1.001	1	1	1	1.001	1	1.001	1
15	1.001	1.001	1	1	1	1	1.001	1	1.001	1
16	1.001	1	1	1.001	1	1	1.001	1	1.001	1
17	1.001	1	1	1	1.001	1	1.001	1	1.001	1
18	1.001	1	1	1	1	1	1.001	1	1.001	1.001
19	1.001	1	1	1	1	1	1.001	1	1.001	1
20	1.001	1	1	1	1	1	1.001	1	1	1
21	1.001	1	1	1	1	1	1	1	1.001	1
22	1.001	1	1	1	1	1.001	1.001	1	1.001	1
23	1.001	1	1	1	1	1	1.001	1	1.001	1
24	1.001	1	1	1	1	1	1.001	1	1.001	1
25	1.001	1	1	1	1	1	1.001	1.001	1.001	1
26	1.001	1	1.001	1	1	1	1	1	1.001	1
27	1.001	1	1.001	1	1	1	1.001	1	1.001	1
28	1.001	1	1	1	1	1	1.001	1	1.001	1
29	1.001	1	1	1	1	1	1.001	1	1.001	1
30	1.001	1	1	1	1	1	1.001	1	1.001	1
31	1.001	1	1	1	1	1	1.001	1	1.001	1
32	1.001	1	1	1	1	1	1.001	1	1.001	1
33	1.001	1	1.001	1	1	1	1.001	1	1.001	1
34	1.001	1	1	1	1	1	1.001	1	1.001	1
35	1.001	1	1	1	1	1	1.001	1	1.001	1
36	1.001	1	1	1	1	1	1.001	1	1.001	1
37	1.001	1	1	1	1	1	1.001	1	1.001	1
38	1.001	1	1	1	1	1	1.001	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	29-28	20-21	26-25	23-24	2-1	1-3	5-4	4-6	8-7
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	39.62	29.78	23.58	41.59	29.78	29.93	20.84	29.93	43.68	41.70
Cpl	43.68	29.93	25.86	41.70	29.93	29.78	18.61	29.78	39.62	41.59
Cpk	39.62	29.78	23.58	41.59	29.78	29.78	18.61	29.78	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	1	1	0.999	1	0.999	1
2	1.001	1	1.001	1	1	1	0.998	1	0.999	1
3	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
4	1.001	1	1.001	1	1	1	0.999	1	0.999	1
5	1.001	1	1.001	1	1	1	0.998	1	0.999	1
6	1.001	1	1.001	1	1	1	0.999	1	0.999	1
7	1.001	1	1	1	1	1	0.999	1	0.999	1
8	1.001	1	1.001	1	1	1	0.998	1	0.999	1
9	1.001	1	1.001	1	1	1	0.999	1	0.999	0.999
10	1.001	1.001	1.001	1	1	0.999	0.999	0.999	1	1
11	1.001	1	1.001	1	1	1	0.999	1	0.999	1
12	1.001	1	1.001	1.001	1	1	0.998	1	0.999	1
13	1.001	1	1.001	1	1	1	0.999	1	0.999	1
14	1.001	1	1.001	1	1.001	1	0.998	1	0.999	1
15	1.001	1	1.001	1	1	1	0.999	1	0.999	1
16	1.001	1	1.001	1	1	1	0.999	1	0.999	1
17	1.001	1	1.001	1	1	0.999	0.999	1	0.999	1
18	1.001	1	1.001	1	1	1	0.999	0.999	0.999	1
19	1.001	1	1.001	1	1	1	0.999	1	0.999	1
20	1.001	1	1.001	1	1	1	0.999	1	0.999	1
21	1.001	1	1	1	1	1	0.999	1	0.999	1
22	1.001	1	1.001	1	1	1	0.999	1	0.999	1
23	1.001	1.001	1.001	1	1	1	0.999	1	0.999	1
24	1	1	1.001	1	1	1	0.999	1	0.999	1
25	1.001	1	1.001	1	1	1	0.999	1	0.999	1
26	1.001	1	1.001	1	1	1	0.999	1	0.999	1
27	1.001	1	1.001	1	1	1	0.999	1	0.999	1
28	1.001	1	1.001	1	1	1	0.999	1	0.999	1
29	1.001	1	1.001	1	1	1	0.999	1	0.999	1
30	1.001	1	1.001	1	1	1	0.999	1	0.999	1
31	1.001	1	1.001	1	1	1	0.999	1	0.999	1
32	1.001	1	1.001	1	1	1	0.999	1	0.999	1
33	1.001	1	1	1	1	1	0.999	1	0.999	1
34	1.001	1	1.001	1	1	1	0.999	1	0.999	1
35	1.001	1	1.001	1	1	1	0.999	1	0.999	1
36	1.001	1	1.001	1	1	1	0.999	1	0.999	1
37	1.001	1	1.001	1	1	1	0.999	1	0.999	1
38	1.001	1	1.001	1	1	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	7-9	11-10	10-12	14-13	13-15	17-16	16-18	20-19	19-21	23-22
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	43.68	29.93	43.68	29.93	43.68	41.70	43.68	41.70	43.68	41.70
Cpl	39.62	29.78	39.62	29.78	39.62	41.59	39.62	41.59	39.62	41.59
Cpk	39.62	29.78	39.62	29.78	39.62	41.59	39.62	41.59	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
2	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
3	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
4	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
5	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
6	0.999	1	0.999	1	0.999	1	1	1	0.999	1
7	0.999	1	0.999	0.999	0.999	1	0.999	1	0.999	1
8	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
9	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
10	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
11	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
12	1	1	0.999	1	0.999	0.999	0.999	0.999	0.999	1
13	0.999	0.999	0.999	1	0.999	1	0.999	1	0.999	1
14	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
15	0.999	1	0.999	1	0.999	1	0.999	1	0.999	0.999
16	0.999	1	0.999	1	0.999	1	0.999	1	1	1
17	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
18	0.999	0.999	0.999	0.999	0.999	1	0.999	1	0.999	1
19	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
20	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
21	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
22	0.999	1	0.999	1	1	1	0.999	1	0.999	1
23	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
24	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
25	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
26	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
27	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
28	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
29	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
30	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
31	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
32	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
33	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
34	0.999	1	1	1	0.999	1	0.999	1	0.999	1
35	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
36	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
37	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
38	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	22-24	26-27	27-25	29-30	30-28	32-33	33-31	35-36	36-34	38-39
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	19.05	41.70	41.59	41.70	43.68	41.70	43.68	41.70	41.70	41.70
Cpl	17.51	41.59	41.70	41.59	39.62	41.59	39.62	41.59	41.59	41.59
Cpk	17.51	41.59	41.59	41.59	39.62	41.59	39.62	41.59	41.59	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	1	1	0.999	1	0.999	1	1	1
2	0.999	1	1	1	0.999	1	0.999	1	1	1
3	0.999	1	1	1	0.999	1	0.999	1	1	1
4	0.999	1	1	1	0.999	1	0.999	1	1	1
5	0.999	1	1	1	0.999	1	0.999	1	1	1
6	0.999	1	1	1	0.999	1	0.999	1	1	1
7	0.999	1	1	1	0.999	1	0.999	1	1	1
8	0.999	1	1	1	0.999	1	0.999	0.999	1	1
9	0.999	1	1	1	0.999	1	0.999	1	1	1
10	0.999	0.999	1	1	0.999	1	0.999	1	1	1
11	0.999	1	1	1	0.999	1	0.999	1	1	1
12	1	1	1	1	0.999	1	1	1	1	1
13	0.999	1	1	1	0.999	1	0.999	1	1	1
14	0.999	1	1	0.999	0.999	1	0.999	1	1	1
15	1	1	1	1	0.999	1	0.999	1	1	1
16	0.999	1	1	1	1	0.999	0.999	1	1	1
17	0.999	1	1	1	0.999	1	0.999	1	1	0.999
18	0.999	1	1	1	0.999	1	0.999	1	1	1
19	0.999	1	1	1	0.999	1	0.999	1	1	1
20	0.999	1	1	1	0.999	1	0.999	1	1	1
21	1	1	1.001	1	0.999	1	0.999	1	1	1
22	0.999	1	1	1	0.999	1	0.999	1	1	1
23	0.999	1	1	1	0.999	1	0.999	1	1	1
24	0.999	1	1	1	0.999	1	0.999	1	1	1
25	0.999	1	1	1	0.999	1	0.999	1	0.999	1
26	1	1	1	1	0.999	1	0.999	1	1	1
27	0.999	1	1	1	0.999	1	0.999	1	1	1
28	0.999	1	1	1	0.999	1	0.999	1	1	1
29	0.999	1	1	1	0.999	1	0.999	1	1	1
30	0.999	1	1	1	0.999	1	0.999	1	1	1
31	0.999	1	1	1	0.999	1	0.999	1	1	1
32	0.999	1	1	1	0.999	1	0.999	1	1	1
33	0.999	1	1	1	0.999	1	0.999	1	1	1
34	1	1	1	1	0.999	1	0.999	1	1	1
35	1	1	1	1	0.999	1	0.999	1	1	1
36	0.999	1	1	1	0.999	1	0.999	1	1	1
37	0.999	1	1	1	0.999	1	0.999	1	1	1
38	0.999	1	1	1	0.999	1	0.999	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1
Condition:	normal	normal	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ
Pins	39-37	41-42	42-40	44-45	45-43	47-48	48-46			
Unit	*1	*1	*1	*1	*1	*1	*1	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02			
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	-1.1	-0.5	-0.8
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-0.08	-0.16	-0.30
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.05
Cpu	22.69	41.70	31.27	41.70	22.69	41.70	43.68			
Cpl	20.75	41.59	28.44	41.59	20.75	41.59	39.62	9.41	2.58	3.02
Cpk	20.75	41.59	28.44	41.59	20.75	41.59	39.62	9.41	2.58	3.02
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	0.999	1	0.999	1	0.999	-0.111	-0.213	-0.355
2	1	1	0.999	1	0.999	1	0.999	-0.177	-0.274	-0.44
3	0.999	1	0.999	1	0.999	1	0.999	-0.105	-0.196	-0.333
4	0.999	1	1	1	0.999	0.999	0.999	-0.088	-0.177	-0.31
5	0.999	1	0.999	1	0.999	1	0.999	-0.095	-0.168	-0.321
6	0.999	1	0.999	1	0.999	1	0.999	-0.099	-0.166	-0.298
7	0.999	1	0.999	1	0.999	1	0.999	-0.067	-0.134	-0.265
8	0.999	1	0.999	1	0.999	1	0.999	-0.047	-0.123	-0.236
9	0.999	1	0.999	1	0.999	1	0.999	-0.069	-0.155	-0.285
10	0.999	0.999	0.999	1	0.999	1	1	-0.067	-0.162	-0.308
11	1	1	0.999	1	0.999	1	0.999	-0.11	-0.193	-0.35
12	0.999	1	0.999	1	0.999	1	0.999	-0.127	-0.226	-0.38
13	0.999	1	0.999	0.999	0.999	1	0.999	-0.027	-0.114	-0.238
14	1	1	0.999	1	0.999	1	0.999	-0.142	-0.248	-0.419
15	0.999	1	0.999	1	0.999	1	0.999	-0.045	-0.131	-0.264
16	0.999	1	0.999	1	0.999	1	0.999	-0.025	-0.107	-0.235
17	0.999	1	0.999	1	0.999	1	0.999	-0.067	-0.161	-0.309
18	0.999	1	0.999	1	0.999	1	0.999	-0.016	-0.098	-0.218
19	0.999	1	0.999	1	0.999	1	0.999	-0.09	-0.193	-0.337
20	0.999	1	0.999	1	0.999	1	0.999	-0.028	-0.104	-0.242
21	0.999	1	0.999	1	0.999	1	0.999	-0.146	-0.245	-0.421
22	0.999	1	0.999	1	1	1	0.999	-0.098	-0.186	-0.323
23	0.999	1	0.999	1	1	1	0.999	-0.118	-0.225	-0.384
24	0.999	1	0.999	1	0.999	1	0.999	-0.084	-0.154	-0.287
25	0.999	1	0.999	1	0.999	1	0.999	-0.109	-0.187	-0.337
26	1	1	0.999	1	0.999	1	0.999	-0.106	-0.2	-0.349
27	0.999	1	0.999	1	1	1	0.999	-0.041	-0.124	-0.255
28	0.999	1	0.999	1	0.999	1	0.999	-0.056	-0.128	-0.266
29	0.999	1	0.999	1	0.999	1	0.999	-0.101	-0.196	-0.334
30	0.999	1	0.999	1	0.999	1	0.999	-0.092	-0.176	-0.318
31	0.999	1	0.999	1	0.999	1	0.999	-0.076	-0.153	-0.278
32	0.999	1	0.999	1	0.999	1	0.999	-0.07	-0.16	-0.295
33	0.999	1	1	1	0.999	1	0.999	-0.052	-0.133	-0.274
34	0.999	1	0.999	1	0.999	1	0.999	-0.061	-0.142	-0.267
35	0.999	1	0.999	1	0.999	1	0.999	-0.069	-0.135	-0.286
36	0.999	1	0.999	1	0.999	1	0.999	-0.044	-0.108	-0.248
37	0.999	1	0.999	1	1	1	0.999	-0.056	-0.146	-0.263
38	0.999	1	0.999	1	0.999	1	0.999	-0.037	-0.109	-0.243

Parameter	CH1 IL-1	CH1 IL-1	CH1 IL-1 Phase	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2 Phase	CH1 IL-3
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.49	-0.73	-27.70	-0.18	-0.26	-0.44	-0.65	-0.90	-29.49	-0.05
STD DEV =	0.07	0.09	0.67	0.06	0.06	0.08	0.08	0.12	0.55	0.06
Cpu										
Cpl	2.44	4.75	15.99	4.73	1.38	1.56	1.39	3.00	18.64	6.23
Cpk	2.44	4.75	15.99	4.73	1.38	1.56	1.39	3.00	18.64	6.23
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.556	-0.786	-28.109	-0.1	-0.191	-0.361	-0.559	-0.777	-29.368	-0.045
2	-0.618	-0.831	-27.076	-0.134	-0.234	-0.402	-0.587	-0.782	-29.104	-0.198
3	-0.569	-0.844	-28.031	-0.067	-0.143	-0.266	-0.448	-0.66	-28.498	-0.032
4	-0.529	-0.802	-27.911	-0.121	-0.197	-0.339	-0.538	-0.78	-29.535	-0.036
5	-0.473	-0.683	-27.095	-0.237	-0.325	-0.523	-0.763	-1.018	-29.717	-0.03
6	-0.494	-0.761	-27.511	-0.206	-0.303	-0.471	-0.677	-0.888	-29.173	-0.13
7	-0.448	-0.702	-27.346	-0.241	-0.339	-0.566	-0.66	-1.159	-30.191	-0.029
8	-0.449	-0.713	-28.138	-0.104	-0.176	-0.323	-0.504	-0.713	-29.008	-0.058
9	-0.46	-0.682	-27.599	-0.17	-0.278	-0.455	-0.673	-0.881	-29.611	-0.029
10	-0.475	-0.691	-27.49	-0.166	-0.265	-0.437	-0.642	-0.866	-29.605	-0.028
11	-0.567	-0.86	-28.538	-0.141	-0.239	-0.412	-0.615	-0.821	-29.195	-0.043
12	-0.584	-0.82	-27.756	-0.128	-0.211	-0.386	-0.582	-0.823	-29.745	-0.045
13	-0.424	-0.657	-27.44	-0.175	-0.263	-0.44	-0.658	-0.894	-29.195	-0.021
14	-0.642	-0.897	-27.795	-0.229	-0.338	-0.524	-0.745	-0.972	-29.97	-0.018
15	-0.43	-0.644	-27.593	-0.104	-0.216	-0.369	-0.547	-0.738	-28.665	-0.012
16	-0.393	-0.608	-27.243	-0.2	-0.306	-0.503	-0.726	-0.959	-29.514	-0.01
17	-0.485	-0.716	-27.43	-0.138	-0.243	-0.411	-0.624	-0.843	-28.683	-0.022
18	-0.383	-0.617	-27.234	-0.257	-0.371	-0.561	-0.777	-1	-29.451	-0.019
19	-0.529	-0.762	-28.076	-0.115	-0.211	-0.367	-0.572	-0.809	-29.711	-0.008
20	-0.406	-0.632	-27.066	-0.164	-0.275	-0.448	-0.673	-0.902	-29.198	-0.016
21	-0.617	-0.871	-28.893	-0.129	-0.233	-0.408	-0.59	-0.773	-29.005	-0.018
22	-0.48	-0.683	-26.849	-0.199	-0.287	-0.448	-0.632	-0.831	-28.655	-0.036
23	-0.61	-0.881	-28.481	-0.19	-0.296	-0.471	-0.703	-0.998	-30.761	-0.297
24	-0.47	-0.703	-27.399	-0.175	-0.256	-0.422	-0.61	-0.827	-28.497	-0.029
25	-0.538	-0.783	-27.653	-0.281	-0.196	-0.586	-0.805	-1.02	-29.395	-0.03
26	-0.534	-0.75	-27.58	-0.213	-0.303	-0.489	-0.711	-0.917	-29.579	-0.034
27	-0.401	-0.574	-26.32	-0.22	-0.303	-0.505	-0.731	-0.954	-29.151	-0.023
28	-0.44	-0.666	-27.85	-0.161	-0.252	-0.428	-0.621	-0.835	-29.678	-0.033
29	-0.546	-0.817	-27.95	-0.187	-0.274	-0.438	-0.641	-0.875	-29.367	-0.023
30	-0.569	-0.913	-29.363	-0.084	-0.172	-0.311	-0.491	-0.707	-29.157	-0.028
31	-0.48	-0.753	-28.716	-0.292	-0.385	-0.587	-0.741	-1.102	-30.004	-0.032
32	-0.485	-0.734	-27.594	-0.319	-0.229	-0.454	-0.709	-1.139	-29.809	-0.03
33	-0.444	-0.647	-27.219	-0.345	-0.24	-0.453	-0.691	-1.149	-30.289	-0.027
34	-0.468	-0.74	-29.555	-0.188	-0.277	-0.442	-0.668	-0.933	-30.099	-0.023
35	-0.46	-0.693	-27.403	-0.122	-0.203	-0.359	-0.58	-0.839	-29.914	-0.023
36	-0.402	-0.606	-27.074	-0.252	-0.348	-0.541	-0.787	-1.054	-30.756	-0.024
37	-0.436	-0.643	-26.689	-0.224	-0.33	-0.514	-0.716	-0.928	-29.35	-0.026
38	-0.415	-0.647	-27.407	-0.198	-0.299	-0.486	-0.7	-0.919	-30.05	-0.16

Parameter	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3 Phase	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2
Average =	-0.10	-0.21	-0.35	-0.52	-24.79	-0.03	-0.10	-0.22	-0.38	-0.57
STD DEV =	0.06	0.08	0.09	0.11	0.43	0.01	0.02	0.02	0.02	0.03
Cpu										
Cpl	2.18	2.50	2.28	4.62	27.13	23.98	8.50	9.93	10.59	15.88
Cpk	2.18	2.50	2.28	4.62	27.13	23.98	8.50	9.93	10.59	15.88
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.091	-0.186	-0.321	-0.511	-24.695	-0.029	-0.101	-0.204	-0.371	-0.547
2	-0.273	-0.423	-0.598	-0.788	-25.321	-0.091	-0.168	-0.303	-0.456	-0.612
3	-0.077	-0.167	-0.321	-0.502	-24.93	-0.029	-0.104	-0.217	-0.385	-0.562
4	-0.077	-0.184	-0.323	-0.506	-24.94	-0.027	-0.089	-0.2	-0.371	-0.569
5	-0.092	-0.194	-0.326	-0.475	-24.775	-0.035	-0.113	-0.235	-0.379	-0.522
6	-0.179	-0.3	-0.456	-0.629	-24.753	-0.048	-0.102	-0.223	-0.413	-0.643
7	-0.079	-0.174	-0.301	-0.462	-24.497	-0.041	-0.103	-0.234	-0.397	-0.565
8	-0.108	-0.218	-0.363	-0.539	-24.808	-0.052	-0.121	-0.256	-0.419	-0.589
9	-0.096	-0.203	-0.337	-0.517	-24.66	-0.032	-0.101	-0.214	-0.39	-0.597
10	-0.103	-0.209	-0.329	-0.466	-24.367	-0.024	-0.095	-0.219	-0.364	-0.524
11	-0.11	-0.216	-0.353	-0.523	-24.654	-0.021	-0.092	-0.224	-0.367	-0.556
12	-0.107	-0.21	-0.346	-0.506	-24.773	-0.029	-0.094	-0.214	-0.382	-0.577
13	-0.084	-0.201	-0.332	-0.494	-24.756	-0.016	-0.082	-0.194	-0.363	-0.574
14	-0.086	-0.191	-0.341	-0.518	-25.326	-0.022	-0.095	-0.231	-0.398	-0.586
15	-0.067	-0.181	-0.325	-0.537	-25.335	-0.008	-0.098	-0.211	-0.361	-0.537
16	-0.09	-0.192	-0.332	-0.497	-24.68	-0.03	-0.105	-0.214	-0.401	-0.604
17	-0.089	-0.196	-0.308	-0.449	-24.543	-0.013	-0.086	-0.213	-0.384	-0.593
18	-0.073	-0.176	-0.31	-0.458	-24.632	-0.042	-0.125	-0.245	-0.401	-0.59
19	-0.072	-0.185	-0.292	-0.431	-23.965	-0.035	-0.111	-0.23	-0.382	-0.546
20	-0.07	-0.17	-0.316	-0.509	-25.236	-0.037	-0.118	-0.233	-0.395	-0.594
21	-0.077	-0.191	-0.312	-0.454	-24.559	-0.027	-0.095	-0.223	-0.392	-0.601
22	-0.099	-0.211	-0.343	-0.518	-24.613	-0.019	-0.098	-0.223	-0.372	-0.535
23	-0.375	-0.572	-0.803	-1.037	-26.46	-0.021	-0.097	-0.202	-0.38	-0.586
24	-0.076	-0.178	-0.313	-0.462	-24.289	-0.031	-0.094	-0.217	-0.395	-0.616
25	-0.08	-0.177	-0.319	-0.481	-24.413	-0.042	-0.111	-0.235	-0.383	-0.563
26	-0.082	-0.178	-0.321	-0.494	-25.057	-0.032	-0.1	-0.219	-0.364	-0.524
27	-0.085	-0.176	-0.305	-0.449	-24.179	-0.022	-0.091	-0.216	-0.364	-0.527
28	-0.08	-0.19	-0.32	-0.485	-24.75	-0.052	-0.119	-0.243	-0.39	-0.528
29	-0.09	-0.18	-0.296	-0.448	-24.159	-0.033	-0.089	-0.211	-0.372	-0.565
30	-0.066	-0.183	-0.306	-0.471	-24.986	-0.062	-0.119	-0.243	-0.388	-0.552
31	-0.071	-0.17	-0.317	-0.513	-25.484	-0.038	-0.095	-0.206	-0.353	-0.525
32	-0.09	-0.196	-0.337	-0.529	-24.874	-0.03	-0.082	-0.197	-0.361	-0.549
33	-0.087	-0.184	-0.313	-0.454	-24.463	-0.028	-0.092	-0.211	-0.392	-0.591
34	-0.071	-0.186	-0.318	-0.496	-24.773	-0.025	-0.086	-0.212	-0.385	-0.579
35	-0.074	-0.176	-0.323	-0.517	-25.123	-0.021	-0.086	-0.202	-0.365	-0.572
36	-0.071	-0.172	-0.31	-0.482	-24.578	-0.053	-0.117	-0.238	-0.397	-0.565
37	-0.073	-0.175	-0.311	-0.486	-24.846	-0.037	-0.096	-0.225	-0.403	-0.619
38	-0.222	-0.372	-0.521	-0.671	-24.707	-0.037	-0.097	-0.218	-0.374	-0.56

Parameter	CH1 IL-4 Phase	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5 Phase	CH1 IL-6	CH1 IL-6	CH1 IL-6
Condition:	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8
Average =	-28.00	-0.02	-0.09	-0.20	-0.32	-0.44	-25.14	-0.09	-0.17	-0.31
STD DEV =	0.40	0.01	0.01	0.01	0.01	0.03	0.51	0.08	0.07	0.11
Cpu										
Cpl	26.71	44.74	20.79	16.28	17.38	17.57	22.65	4.20	1.49	1.52
Cpk	26.71	44.74	20.79	16.28	17.38	17.57	22.65	4.20	1.49	1.52
DATA	-	-	-	-	-	-	-	-	-	-
1	-27.517	-0.025	-0.087	-0.201	-0.333	-0.474	-25.648	-0.051	-0.121	-0.246
2	-27.837	-0.023	-0.088	-0.2	-0.308	-0.422	-25.329	-0.12	-0.214	-0.352
3	-28.109	-0.03	-0.079	-0.197	-0.309	-0.421	-24.161	-0.072	-0.153	-0.296
4	-28.735	-0.026	-0.077	-0.171	-0.293	-0.419	-24.859	-0.048	-0.117	-0.239
5	-27.604	-0.032	-0.092	-0.216	-0.317	-0.417	-24.807	-0.075	-0.161	-0.3
6	-28.442	-0.035	-0.088	-0.188	-0.302	-0.433	-25.896	-0.039	-0.12	-0.252
7	-27.729	-0.028	-0.089	-0.196	-0.308	-0.418	-24.672	-0.036	-0.114	-0.238
8	-27.921	-0.03	-0.08	-0.186	-0.305	-0.428	-25.156	-0.063	-0.138	-0.269
9	-28.429	-0.016	-0.086	-0.208	-0.318	-0.432	-24.851	-0.024	-0.105	-0.232
10	-27.122	-0.01	-0.075	-0.191	-0.307	-0.403	-24.357	-0.035	-0.126	-0.265
11	-27.706	-0.01	-0.082	-0.212	-0.316	-0.427	-24.876	-0.07	-0.155	-0.291
12	-28.699	-0.016	-0.098	-0.226	-0.33	-0.457	-25.241	-0.027	-0.111	-0.243
13	-28.763	-0.012	-0.079	-0.197	-0.32	-0.442	-24.971	-0.018	-0.11	-0.226
14	-28.387	-0.008	-0.101	-0.221	-0.335	-0.42	-24.71	-0.09	-0.187	-0.324
15	-27.788	-0.005	-0.09	-0.202	-0.311	-0.419	-24.611	-0.133	-0.237	-0.401
16	-28.26	-0.014	-0.082	-0.193	-0.316	-0.459	-25.448	-0.035	-0.132	-0.263
17	-28.396	-0.013	-0.093	-0.198	-0.304	-0.427	-24.841	-0.049	-0.13	-0.257
18	-28.012	-0.015	-0.088	-0.185	-0.3	-0.421	-25.327	-0.053	-0.135	-0.268
19	-27.694	-0.01	-0.083	-0.199	-0.309	-0.43	-25.109	-0.038	-0.127	-0.257
20	-27.774	-0.016	-0.082	-0.174	-0.297	-0.46	-25.778	-0.044	-0.137	-0.265
21	-28.305	-0.015	-0.086	-0.197	-0.322	-0.439	-24.878	-0.03	-0.109	-0.243
22	-28.011	-0.02	-0.095	-0.219	-0.324	-0.422	-24.625	-0.316	-0.389	-0.566
23	-28.287	-0.033	-0.1	-0.207	-0.348	-0.513	-26.507	-0.119	-0.192	-0.339
24	-27.847	-0.022	-0.09	-0.197	-0.305	-0.437	-24.927	-0.065	-0.155	-0.278
25	-27.399	-0.032	-0.093	-0.206	-0.341	-0.492	-25.513	-0.146	-0.218	-0.369
26	-27.643	-0.031	-0.084	-0.185	-0.314	-0.461	-25.23	-0.041	-0.108	-0.238
27	-27.639	-0.018	-0.088	-0.207	-0.314	-0.403	-24.434	-0.039	-0.118	-0.247
28	-27.636	-0.033	-0.081	-0.19	-0.34	-0.498	-25.878	-0.154	-0.239	-0.406
29	-28.152	-0.023	-0.073	-0.175	-0.305	-0.457	-25.156	-0.047	-0.128	-0.248
30	-27.277	-0.022	-0.083	-0.201	-0.32	-0.461	-24.776	-0.088	-0.153	-0.295
31	-27.992	-0.029	-0.091	-0.2	-0.328	-0.445	-25.366	-0.046	-0.123	-0.249
32	-27.701	-0.027	-0.08	-0.184	-0.33	-0.508	-26.137	-0.041	-0.113	-0.253
33	-28.521	-0.023	-0.081	-0.204	-0.334	-0.494	-25.968	-0.049	-0.121	-0.253
34	-28.113	-0.025	-0.083	-0.19	-0.323	-0.455	-25.151	-0.069	-0.158	-0.304
35	-28.491	-0.028	-0.079	-0.189	-0.298	-0.405	-24.762	-0.227	-0.319	-0.508
36	-27.832	-0.022	-0.089	-0.209	-0.308	-0.399	-24.632	-0.329	-0.236	-0.645
37	-28.028	-0.028	-0.083	-0.193	-0.322	-0.456	-25.287	-0.061	-0.134	-0.282
38	-28.045	-0.027	-0.077	-0.19	-0.314	-0.466	-25.522	-0.317	-0.436	-0.65

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6 Phase	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7 Phase	CH1 IL-8
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.45	-0.61	-28.97	-0.03	-0.11	-0.24	-0.38	-0.55	-25.95	-0.07
STD DEV =	0.12	0.13	0.48	0.02	0.02	0.02	0.03	0.04	0.41	0.06
Cpu										
Cpl	1.46	3.48	21.38	22.45	7.92	8.99	7.39	11.60	27.71	5.69
Cpk	1.46	3.48	21.38	22.45	7.92	8.99	7.39	11.60	27.71	5.69
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.375	-0.5	-28.817	-0.024	-0.097	-0.225	-0.358	-0.513	-26.373	-0.054
2	-0.505	-0.687	-29.627	-0.045	-0.123	-0.251	-0.385	-0.539	-25.965	-0.341
3	-0.436	-0.588	-29.071	-0.027	-0.095	-0.218	-0.346	-0.482	-25.383	-0.078
4	-0.378	-0.553	-28.751	-0.03	-0.099	-0.236	-0.389	-0.552	-26.001	-0.06
5	-0.426	-0.552	-28.848	-0.041	-0.1	-0.231	-0.371	-0.538	-26.131	-0.12
6	-0.376	-0.507	-28.943	-0.043	-0.101	-0.226	-0.361	-0.529	-25.612	-0.137
7	-0.361	-0.482	-28.298	-0.03	-0.094	-0.215	-0.337	-0.485	-25.411	-0.049
8	-0.422	-0.607	-29.49	-0.053	-0.122	-0.256	-0.401	-0.55	-25.616	-0.072
9	-0.361	-0.527	-28.527	-0.054	-0.148	-0.279	-0.417	-0.574	-25.688	-0.058
10	-0.417	-0.591	-29.139	-0.015	-0.087	-0.21	-0.379	-0.573	-25.891	-0.026
11	-0.433	-0.589	-29.049	-0.031	-0.117	-0.259	-0.419	-0.621	-26.528	-0.04
12	-0.381	-0.555	-29.227	-0.011	-0.101	-0.237	-0.377	-0.552	-26.393	-0.069
13	-0.363	-0.534	-29.095	-0.017	-0.087	-0.219	-0.352	-0.498	-25.863	-0.038
14	-0.479	-0.689	-29.885	-0.042	-0.125	-0.263	-0.396	-0.547	-25.635	-0.039
15	-0.559	-0.709	-28.918	-0.017	-0.097	-0.226	-0.364	-0.517	-25.882	-0.02
16	-0.398	-0.537	-28.629	-0.014	-0.094	-0.216	-0.372	-0.543	-25.854	-0.032
17	-0.397	-0.552	-28.713	-0.015	-0.098	-0.211	-0.365	-0.539	-26.278	-0.042
18	-0.417	-0.575	-28.7	-0.045	-0.109	-0.26	-0.399	-0.547	-25.536	-0.03
19	-0.391	-0.548	-28.66	-0.089	-0.163	-0.299	-0.503	-0.739	-27.247	-0.038
20	-0.4	-0.54	-29	-0.034	-0.116	-0.261	-0.392	-0.531	-25.723	-0.103
21	-0.359	-0.512	-28.462	-0.015	-0.1	-0.227	-0.373	-0.555	-26.435	-0.106
22	-0.726	-0.867	-28.363	-0.017	-0.092	-0.225	-0.38	-0.579	-26.108	-0.239
23	-0.49	-0.657	-29.055	-0.036	-0.097	-0.225	-0.364	-0.527	-25.902	-0.049
24	-0.425	-0.611	-29.198	-0.03	-0.101	-0.23	-0.368	-0.522	-25.513	-0.036
25	-0.532	-0.722	-29.8	-0.038	-0.095	-0.228	-0.358	-0.529	-25.841	-0.043
26	-0.366	-0.52	-28.661	-0.034	-0.107	-0.238	-0.367	-0.513	-25.319	-0.035
27	-0.377	-0.518	-28.375	-0.032	-0.099	-0.238	-0.372	-0.528	-25.926	-0.038
28	-0.592	-0.789	-29.867	-0.068	-0.131	-0.264	-0.401	-0.55	-25.509	-0.059
29	-0.391	-0.576	-28.71	-0.03	-0.093	-0.216	-0.371	-0.545	-26.065	-0.035
30	-0.435	-0.602	-28.796	-0.03	-0.096	-0.218	-0.377	-0.571	-26.681	-0.034
31	-0.369	-0.493	-28.857	-0.033	-0.106	-0.246	-0.392	-0.555	-26.528	-0.037
32	-0.374	-0.52	-28.702	-0.045	-0.112	-0.245	-0.375	-0.516	-25.735	-0.037
33	-0.376	-0.504	-28.265	-0.039	-0.092	-0.22	-0.388	-0.595	-26.382	-0.083
34	-0.425	-0.559	-28.415	-0.053	-0.126	-0.263	-0.405	-0.553	-25.76	-0.048
35	-0.692	-0.868	-29.924	-0.028	-0.102	-0.225	-0.367	-0.537	-26.191	-0.029
36	-0.824	-1.001	-30.066	-0.025	-0.098	-0.208	-0.348	-0.538	-25.891	-0.049
37	-0.407	-0.538	-28.592	-0.023	-0.087	-0.217	-0.354	-0.515	-25.39	-0.059
38	-0.854	-1.019	-29.484	-0.05	-0.124	-0.251	-0.406	-0.557	-25.978	-0.118

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8 Phase	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-63	-39	-34	-30	-63
LowLimit	-0.5	-0.8	-1	-2	-60					
Average =	-0.18	-0.34	-0.49	-0.69	-29.29	-89.79	-69.20	-63.71	-59.09	-88.76
STD DEV =	0.07	0.09	0.11	0.11	0.45	6.10	5.80	5.92	6.05	6.08
Cpu						1.46	1.74	1.67	1.60	1.41
Cpl	1.54	1.71	1.60	4.09	22.61					
Cpk	1.54	1.71	1.60	4.09	22.61	1.46	1.74	1.67	1.60	1.41
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.144	-0.309	-0.445	-0.628	-29.021	-94.616	-75.739	-71.54	-61.386	-81.889
2	-0.484	-0.734	-0.965	-1.171	-30.623	-85.741	-66.513	-60.752	-56.402	-91.118
3	-0.193	-0.355	-0.505	-0.706	-29.367	-88.224	-66.952	-57.392	-52.529	-85.83
4	-0.177	-0.332	-0.468	-0.653	-29.393	-85.847	-66.958	-61.571	-55.743	-87.169
5	-0.23	-0.392	-0.56	-0.772	-29.665	-93.812	-71.384	-62.172	-57.356	-86.718
6	-0.239	-0.42	-0.561	-0.729	-29.076	-86.977	-63.375	-58.287	-54.076	-99.117
7	-0.146	-0.298	-0.468	-0.68	-29.653	-92.845	-74	-73.447	-63.124	-84.596
8	-0.188	-0.359	-0.531	-0.726	-29.636	-89.197	-72.964	-68.133	-63.429	-83.102
9	-0.182	-0.353	-0.502	-0.668	-29.276	-83.387	-85.026	-75.204	-78.583	-88.46
10	-0.15	-0.309	-0.446	-0.62	-28.739	-85.264	-68.491	-64.812	-61.027	-93.527
11	-0.17	-0.333	-0.494	-0.715	-29.802	-90.778	-68.331	-61.329	-56.411	-87.694
12	-0.187	-0.364	-0.526	-0.714	-29.359	-83.621	-70.044	-69.218	-64.38	-98.637
13	-0.151	-0.318	-0.468	-0.665	-28.943	-86.609	-70.802	-64.381	-58.046	-89.848
14	-0.165	-0.319	-0.467	-0.651	-29.697	-82.485	-68.282	-62.947	-58.417	-83.734
15	-0.13	-0.294	-0.435	-0.612	-29.261	-95.986	-67.973	-61.313	-57.315	-84.441
16	-0.146	-0.281	-0.418	-0.589	-29.144	-83.527	-69.69	-63.21	-57.948	-84.157
17	-0.152	-0.303	-0.447	-0.651	-29.305	-104.156	-65.05	-59.53	-55.744	-86.942
18	-0.157	-0.305	-0.443	-0.623	-28.746	-91.488	-66.379	-61.289	-58.206	-89.96
19	-0.161	-0.312	-0.479	-0.705	-30.112	-86.958	-66.958	-63.783	-58.067	-98.126
20	-0.223	-0.401	-0.581	-0.797	-28.961	-91.438	-78.103	-77.166	-73.753	-80.735
21	-0.237	-0.426	-0.573	-0.742	-29.219	-83.691	-68.089	-62.925	-58.207	-91.473
22	-0.396	-0.616	-0.806	-0.984	-30.015	-84.576	-64.632	-58.765	-54.617	-88.887
23	-0.145	-0.298	-0.452	-0.643	-29.214	-91.956	-84.359	-71.968	-63.638	-87.284
24	-0.147	-0.288	-0.423	-0.609	-29.133	-85.205	-67.683	-62.208	-57.757	-86.029
25	-0.14	-0.281	-0.423	-0.621	-29.255	-87.721	-70.84	-68.302	-63.691	-85.142
26	-0.137	-0.277	-0.414	-0.631	-29.013	-93.552	-68.731	-65.264	-60.727	-84.257
27	-0.153	-0.305	-0.432	-0.6	-28.675	-90.199	-67.077	-60.66	-57.109	-77.555
28	-0.159	-0.32	-0.476	-0.684	-29.344	-93.671	-57.172	-52.461	-48.007	-84.838
29	-0.138	-0.287	-0.414	-0.61	-28.85	-85.17	-69.061	-64.776	-60.268	-86.592
30	-0.15	-0.293	-0.449	-0.664	-30.148	-91.463	-76.648	-68.534	-65.426	-105.12
31	-0.135	-0.286	-0.43	-0.621	-29.216	-94.079	-73.268	-70.382	-63.802	-96.772
32	-0.132	-0.272	-0.419	-0.649	-29.536	-87.965	-66.256	-58.129	-53.803	-88.208
33	-0.191	-0.352	-0.497	-0.708	-29.256	-87.735	-66.836	-62.997	-59.105	-89.438
34	-0.165	-0.313	-0.445	-0.621	-28.496	-82.009	-54.269	-48.279	-44.097	-80.844
35	-0.139	-0.299	-0.442	-0.616	-29.253	-112.125	-66.071	-59.19	-54.821	-97.606
36	-0.16	-0.323	-0.452	-0.612	-28.37	-88.784	-65.952	-59.867	-56.072	-99.487
37	-0.162	-0.308	-0.455	-0.654	-29.223	-100.994	-65.502	-58.901	-55.591	-83.748
38	-0.234	-0.417	-0.565	-0.729	-29.128	-88.259	-74.085	-69.81	-66.751	-93.915

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-63	-39	-34	-30	-63	-39	-34
LowLimit										
Average =	-74.29	-68.24	-63.76	-89.50	-76.22	-72.04	-64.47	-87.99	-71.33	-65.52
STD DEV =	5.60	7.75	7.66	5.93	7.54	9.17	7.47	5.88	7.02	7.20
Cpu	2.10	1.47	1.47	1.49	1.65	1.38	1.54	1.42	1.54	1.46
Cpl										
Cpk	2.10	1.47	1.47	1.49	1.65	1.38	1.54	1.42	1.54	1.46
DATA	-	-	-	-	-	-	-	-	-	-
1	-70.69	-60.785	-54.911	-90.236	-76.226	-78.72	-61.879	-92.357	-66.307	-62.293
2	-80.405	-64.725	-72.003	-100.016	-71.21	-65.292	-58.601	-89.714	-79.356	-71.224
3	-66.746	-59.909	-54.551	-93.896	-67.804	-59.501	-54.055	-97.069	-69.897	-63.472
4	-64.876	-59.58	-54.15	-96.095	-74.864	-73.552	-65.748	-108.602	-63.825	-58.04
5	-83.028	-66.19	-72.371	-92.373	-75.394	-71.193	-75.526	-84.507	-82.834	-73.864
6	-75.149	-69.27	-62.786	-85.265	-64.304	-58.939	-53.594	-86.261	-68.053	-64.115
7	-71.485	-64.352	-60.721	-86.091	-76.44	-63.083	-58.067	-90.073	-69.972	-62.381
8	-70.461	-62.492	-57.417	-92.665	-72.246	-65.843	-58.769	-84.216	-70.065	-69.023
9	-72.552	-69.888	-63.023	-85.076	-68.444	-65.787	-60.921	-79.694	-66.208	-60.025
10	-85.36	-79.015	-76.992	-92.11	-73.823	-73.153	-82.434	-80.448	-80.831	-83.668
11	-72.841	-66.128	-60.191	-98.642	-81.456	-70.807	-65.622	-92.094	-73.932	-67.873
12	-74.916	-66.957	-60.918	-98.132	-90.812	-87.643	-67.365	-89.103	-62.02	-57.402
13	-69.226	-61.221	-55.623	-92.112	-72.986	-68.644	-63.008	-80.021	-63.886	-58.059
14	-67.825	-61.147	-57.047	-84.619	-83.711	-83.508	-71.947	-77.991	-68.953	-65.272
15	-63.157	-57.064	-51.79	-85.265	-71.69	-76.582	-66.417	-88.217	-71.635	-63.613
16	-70.286	-61.469	-56.67	-91.439	-69.011	-61.213	-55.915	-92.817	-67.188	-62.943
17	-75.465	-70.088	-62.657	-85.829	-70.522	-64.282	-58.405	-83.814	-66.27	-60.838
18	-76.849	-83.518	-75.877	-85.723	-74.675	-74.178	-72.718	-81.959	-67.558	-63.668
19	-83.067	-61.296	-70.494	-86.09	-77.779	-88.786	-68.04	-81.24	-66.352	-60.216
20	-72.437	-62.28	-57.484	-82.696	-77.835	-76.018	-66.95	-86.573	-86.507	-74.94
21	-77.595	-73.92	-76.492	-85.515	-74.386	-66.843	-59.859	-86.394	-79.764	-68.648
22	-76.781	-71.362	-65.425	-82.225	-80.93	-87.972	-77.134	-87.95	-80.132	-73.223
23	-77.344	-77.419	-69.445	-87.22	-99.791	-90.821	-64.476	-93.985	-77.782	-69.755
24	-77.515	-78.226	-73.308	-89.956	-78.664	-70.182	-62.333	-89.112	-81.046	-69.302
25	-82.414	-76.864	-71.568	-85.636	-86.325	-75.552	-64.853	-86.225	-66.573	-59.412
26	-77.294	-91.093	-75.832	-88.242	-80.647	-72.459	-68.218	-90.162	-72.286	-70.158
27	-77.163	-76.965	-68.782	-84.416	-82.148	-74.396	-66.148	-88.565	-72.074	-66.124
28	-73.947	-66.109	-59.652	-87.53	-73.58	-68.403	-61.729	-89.274	-68.982	-65.384
29	-84.093	-70.473	-69.467	-98.131	-74.381	-84.89	-79.22	-90.149	-84.726	-89.296
30	-75.011	-68.579	-74.252	-93.089	-84.121	-81.262	-69.43	-88.193	-66.815	-61.796
31	-72.213	-69.42	-62.366	-95.454	-67.634	-63.114	-58.298	-102	-83.838	-72.814
32	-76.132	-65.634	-58.903	-106.092	-67.722	-59.386	-55.514	-84.573	-65.627	-60.446
33	-74.859	-64.9	-58.147	-83.007	-66.722	-59.051	-53.287	-87.884	-69.623	-62.333
34	-59.9	-53.039	-48.172	-81.147	-62.532	-55.973	-50.367	-81.831	-62.435	-56.351
35	-73.854	-68.959	-59.758	-90.079	-88.009	-81.932	-72.664	-83.772	-67.368	-61.795
36	-68.501	-65.242	-60.615	-93.531	-81.009	-71.061	-63.797	-88.756	-74.787	-68.396
37	-76.541	-67.962	-62.654	-77.705	-80.176	-69.478	-62.959	-88.923	-58.89	-53.109
38	-75.21	-79.685	-70.247	-87.602	-76.193	-77.979	-73.689	-89.111	-66.201	-58.672

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-63	-39	-34	-30	-63	-39	-34	-30	-63
LowLimit										
Average =	-60.85	-88.44	-76.54	-70.58	-66.89	-89.15	-75.88	-69.50	-63.98	-89.39
STD DEV =	6.74	5.74	7.70	7.08	7.90	5.64	6.60	6.58	6.82	5.29
Cpu	1.53	1.48	1.63	1.72	1.56	1.54	1.86	1.80	1.66	1.66
Cpl										
Cpk	1.53	1.48	1.63	1.72	1.56	1.54	1.86	1.80	1.66	1.66
DATA	-	-	-	-	-	-	-	-	-	-
1	-57.27	-82.396	-73.952	-75.94	-80.587	-85.52	-76.975	-70.237	-63.643	-83.082
2	-64.603	-83.771	-72.758	-70.639	-71.098	-89.449	-61.548	-55.911	-50.919	-83.608
3	-58.837	-86.927	-74.322	-68.831	-67.048	-91.049	-68.773	-62.028	-56.5	-108.609
4	-53.128	-90.513	-79.248	-76.232	-80.258	-91.536	-69.629	-70.95	-71.773	-85.423
5	-65.497	-92.118	-88.639	-81.879	-72.063	-79.668	-83.218	-75.209	-69.084	-83.482
6	-59.177	-90.238	-68.291	-61.615	-59.205	-80.798	-73.746	-70.313	-69.923	-85.269
7	-55.883	-85.485	-76.882	-72.881	-75.507	-88.771	-92.528	-75.435	-65.3	-96.545
8	-63.203	-99.501	-70.442	-65.453	-64.607	-94.31	-64.612	-60.045	-55.699	-92.101
9	-55.162	-85.114	-70.07	-61.672	-55.841	-87.61	-76.492	-73.485	-68.457	-88.297
10	-75.63	-83.041	-79.882	-75.977	-65.138	-93.288	-75.795	-65.808	-60.135	-87.689
11	-61.605	-87.956	-75.909	-68.052	-67.324	-79.326	-63.356	-54.849	-49.121	-88.225
12	-53.332	-98.141	-93.491	-75.233	-76.569	-95.222	-70.979	-67.159	-66.563	-88.892
13	-52.956	-86.99	-70.461	-63.758	-58.004	-90.406	-77.067	-71.142	-65.207	-83.161
14	-60.193	-90.738	-88.769	-77.311	-70.524	-82.016	-77.29	-76.001	-67.324	-93.981
15	-58.367	-87.019	-72.663	-68.696	-68.495	-102.018	-82.255	-77.189	-71.787	-86.466
16	-57.951	-88.838	-80.618	-76.382	-84.703	-104.16	-81.701	-69.743	-65.022	-85.428
17	-57.136	-89.508	-85.08	-81.849	-66.694	-86.062	-85.368	-76.013	-67.07	-85.179
18	-59.486	-90.504	-72.182	-65.225	-58.003	-82.49	-68.385	-62.425	-57.474	-102.567
19	-56.314	-97.061	-84.955	-85.464	-73.38	-90.578	-83.336	-79.808	-86.231	-89.19
20	-68.241	-95.284	-76.718	-73.008	-76.532	-85.969	-68.507	-60.896	-55.682	-88.469
21	-66.974	-84.15	-67.989	-64.132	-62.528	-93.082	-77.168	-64.464	-58.494	-91.321
22	-69.618	-99.127	-81.774	-72.593	-65.881	-93.286	-78.708	-69.175	-61.162	-90.601
23	-65.962	-86.079	-88.223	-73.905	-69.989	-82.221	-77.911	-73.087	-70.426	-90.082
24	-80.611	-83.334	-65.122	-59.058	-55.8	-85.088	-78.942	-70.991	-64.544	-95.988
25	-55.595	-96.775	-68.22	-61.413	-56.264	-83.994	-66.155	-59.518	-53.946	-83.415
26	-67.161	-79.57	-73.721	-71.568	-71.289	-88.931	-77.416	-69.441	-61.781	-92.817
27	-64.399	-79.538	-78.969	-74.834	-70.364	-85.681	-79.625	-86.163	-69.807	-88.133
28	-61.156	-79.57	-95.16	-85.318	-79.758	-93.525	-81.078	-74.102	-70.074	-90.771
29	-69.032	-95.277	-62.739	-55.861	-51.862	-86.206	-76.089	-71.127	-66.845	-91.096
30	-57.715	-98.129	-69.183	-65.258	-58.162	-86.99	-85.427	-69.991	-64.767	-88.028
31	-68.745	-86.977	-68.367	-62.472	-59.445	-94.954	-76.583	-69.913	-67.003	-95.466
32	-55.136	-81.394	-72.256	-63.535	-57.832	-87.456	-77.949	-71.172	-63.719	-86.214
33	-56.302	-87.067	-81.317	-71.214	-64.454	-86.094	-74.661	-66.036	-60.45	-84.364
34	-51.433	-88.453	-81.165	-74.388	-71.533	-86.061	-74.158	-75.329	-64.219	-91.775
35	-58.457	-81.574	-80.502	-70.835	-64.149	-98.134	-72.034	-68.352	-61.357	-87.52
36	-65.922	-90.799	-69.733	-64.643	-60.923	-93.514	-80.023	-76.567	-69.421	-90.402
37	-48.663	-90.184	-75.8	-76.134	-65.078	-93.086	-67.644	-60.835	-55.538	-84.444
38	-55.289	-81.43	-73.012	-68.758	-64.868	-88.996	-80.208	-69.958	-64.756	-88.824

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-18	-18	-18	-16	-14.4	-12	-10
LowLimit										
Average =	-67.77	-62.35	-59.54	-29.02	-29.36	-29.04	-27.43	-21.52	-19.44	-13.73
STD DEV =	5.03	5.29	6.98	2.60	2.49	2.45	2.55	1.30	1.58	0.67
Cpu	1.91	1.79	1.41	1.41	1.52	1.50	1.49	1.83	1.56	1.86
Cpl										
Cpk	1.91	1.79	1.41	1.41	1.52	1.50	1.49	1.83	1.56	1.86
DATA	-	-	-	-	-	-	-	-	-	-
1	-60.246	-54.512	-50.602	-31.783	-26.282	-32.682	-23.343	-22.961	-20.182	-13.281
2	-65.875	-59.884	-56.118	-27.055	-27.417	-31.427	-23.039	-23.049	-21.66	-14.567
3	-64.146	-57.899	-53.987	-30.002	-26.291	-28.05	-28.155	-21.659	-17.608	-13.31
4	-60.258	-54.835	-50.98	-29.516	-30.964	-29.791	-23.315	-22.128	-19.455	-13.54
5	-71.697	-66.905	-67.213	-31.418	-30.899	-30.896	-27.443	-20.831	-18.86	-13.117
6	-62.303	-56.692	-52.657	-27.817	-31.613	-27.616	-25.439	-23.667	-18.396	-14.194
7	-60.407	-53.918	-49.515	-32.757	-26.726	-34.037	-28.325	-21.636	-17.871	-12.946
8	-70.592	-67.259	-66.348	-25.397	-30.994	-25.635	-25.007	-22.614	-21.383	-14.741
9	-66.276	-61.42	-58.778	-29.675	-25.882	-26.266	-30.854	-22.815	-21.609	-13.791
10	-79.432	-74.669	-84.108	-30.879	-28.086	-26.316	-30.251	-22.125	-17.886	-13.845
11	-67	-60.621	-56.641	-28.842	-30.41	-30.862	-29.79	-22.62	-16.688	-13.85
12	-64.098	-58.509	-54.659	-27.149	-27.884	-25.729	-26.707	-20.195	-18.246	-12.866
13	-75.578	-69.907	-62.966	-31.96	-28.639	-25.455	-29.5	-23.082	-18.928	-12.754
14	-65.805	-58.666	-55.523	-32.724	-24.893	-26.102	-23.528	-20.892	-18.556	-13.469
15	-72.33	-65.991	-64.237	-25.326	-33.535	-29.801	-29.28	-21.021	-19.556	-14.369
16	-65.787	-61.004	-57.914	-25.475	-30.976	-31.353	-30.15	-22.553	-18.063	-12.667
17	-72.211	-68.226	-64.111	-32.001	-31.723	-26.143	-23.541	-21.488	-18.361	-14.03
18	-64.784	-59.68	-56.604	-29.635	-30.518	-30.053	-25.551	-21.181	-20.639	-14.621
19	-68.297	-63.903	-61.879	-29.845	-33.046	-26.8	-28.009	-20.301	-20.962	-14.687
20	-69.812	-66.66	-61.805	-27.12	-32.872	-29.527	-28.822	-21.21	-19.965	-14.512
21	-70.589	-66.05	-62.3	-29.782	-32.468	-31.025	-30.323	-20.165	-16.58	-13.852
22	-65.641	-60.957	-57.31	-24.963	-28.835	-28.22	-29.947	-20.034	-18.574	-14.609
23	-64.783	-58.777	-55.179	-31.705	-30.273	-25.135	-23.861	-23.977	-17.407	-13.817
24	-63.86	-56.775	-53.784	-30.521	-29.471	-33.7	-24.396	-21.743	-19.713	-13.449
25	-65.817	-61.216	-58.472	-26.08	-29.48	-28.125	-28.33	-19.507	-21.901	-14.824
26	-67.537	-63.284	-59.75	-32.725	-27.803	-28.568	-30.993	-18.958	-21.871	-13.76
27	-64.933	-59.782	-56.38	-32.023	-26.555	-33.472	-26.353	-21.508	-20.332	-13.043
28	-64.29	-58.085	-54.956	-27.146	-27.71	-28.087	-24.415	-20.738	-20.229	-13.704
29	-61.233	-55.034	-50.956	-25.579	-33.937	-26.784	-30.58	-22.041	-17.281	-13.629
30	-77.98	-70.962	-66.182	-31.025	-29.959	-28.981	-29.385	-19.411	-20.925	-13.964
31	-76.43	-69.397	-70.064	-28.258	-24.776	-29.124	-29.093	-20.831	-22	-12.574
32	-67.522	-63.519	-58.518	-28.391	-30.892	-31.272	-30.244	-23.04	-18.534	-13.527
33	-63.963	-58.067	-53.896	-32.593	-33.061	-26.884	-25.423	-21.95	-18.682	-12.699
34	-65.722	-60.691	-56.306	-26.265	-27.751	-32.078	-25.625	-21.518	-19.799	-13.374
35	-70.843	-62.864	-62.699	-32.139	-26.881	-30.3	-25.548	-20.038	-17.084	-14.837
36	-71.105	-65.814	-63.047	-25.671	-31.307	-27.479	-29.95	-22.16	-20.755	-14.546
37	-79.094	-74.853	-76.362	-25.815	-26.907	-30.953	-29.272	-18.785	-21.664	-12.974
38	-67.054	-62.197	-59.532	-25.702	-28.073	-28.98	-28.644	-23.233	-20.4	-13.302

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-12	-10	-18	-18	-18
LowLimit										
Average =	-27.97	-29.35	-29.16	-25.98	-21.43	-19.43	-13.78	-29.96	-29.70	-28.97
STD DEV =	2.33	2.83	2.35	2.36	1.59	1.65	0.77	2.70	2.71	2.50
Cpu	1.42	1.34	1.59	1.41	1.47	1.50	1.63	1.48	1.44	1.46
Cpl										
Cpk	1.42	1.34	1.59	1.41	1.47	1.50	1.63	1.48	1.44	1.46
DATA	-	-	-	-	-	-	-	-	-	-
1	-25.466	-31.895	-25.192	-23.847	-19.237	-17.417	-13.279	-28.528	-30.404	-31.559
2	-32.735	-26.242	-28.413	-26.473	-22.497	-17.707	-14.854	-25.658	-29.091	-29.229
3	-28.035	-32.811	-29.874	-24.534	-20.58	-17.507	-12.642	-29.245	-32.316	-26.174
4	-32.792	-32.106	-29.935	-25.983	-22.797	-19.573	-14.378	-29.796	-29.617	-27.225
5	-30.205	-31.602	-28.976	-25.438	-20.558	-20.673	-13.822	-31.216	-30.715	-32.753
6	-31.874	-31.628	-27.263	-30.415	-23.92	-16.625	-13.724	-32.21	-28.546	-31.186
7	-30.119	-27.299	-29.559	-25.674	-22.994	-21.995	-13.573	-31.647	-33.854	-30.104
8	-31.864	-31.628	-29.54	-24.435	-20.316	-19.462	-14.288	-32.898	-29.217	-30.98
9	-26.008	-32.855	-31.363	-25.269	-20.465	-17.162	-14.77	-25.63	-32.642	-28.195
10	-28.462	-24.907	-29.243	-26.647	-22.981	-20.159	-12.57	-31.912	-26.757	-32.56
11	-26.55	-32.861	-30.487	-24.593	-20.675	-21.786	-12.773	-27.138	-33.61	-28.746
12	-28.88	-26.16	-27.618	-27.297	-22.129	-21.874	-14.175	-29.209	-25.776	-26.661
13	-30.243	-32.322	-29.489	-24.125	-23.24	-16.795	-13.944	-33.174	-28.723	-24.793
14	-27.952	-24.56	-27.967	-24.657	-22.026	-20.803	-13.014	-32.487	-28.143	-24.678
15	-24.946	-31.307	-25.477	-29.801	-22.094	-19.903	-12.66	-24.679	-28.987	-27.306
16	-25.176	-27.935	-26.243	-24.901	-19.668	-20.119	-12.829	-30.416	-26.293	-29.863
17	-25.314	-27.942	-27.391	-22.643	-19.447	-20.564	-14.836	-26.101	-24.726	-28.53
18	-27.64	-27.778	-30.881	-29.357	-23.349	-19.902	-14.132	-32.243	-33.558	-26.527
19	-32.309	-29.998	-29.765	-27.907	-23.801	-20.783	-13.077	-30.813	-31.875	-30.173
20	-29.043	-26.035	-31.611	-27.732	-23.557	-17.936	-14.539	-32.474	-26.004	-30.507
21	-27.532	-33.268	-26.413	-22.859	-19.937	-20.032	-14.06	-24.954	-27.462	-30.625
22	-26.121	-27.234	-30.705	-28.643	-20.275	-19.012	-14.8	-26.212	-32.691	-28.537
23	-26.733	-28.292	-32.928	-30.278	-20.445	-18.427	-15.078	-33.612	-31.044	-30.746
24	-25.997	-26.22	-26.663	-29.605	-21.938	-16.576	-14.056	-32.322	-32.336	-26.433
25	-25.808	-28.009	-25.326	-24.796	-23.813	-20.623	-14.309	-28.011	-24.576	-28.492
26	-29.338	-26.424	-27.804	-29.183	-21.509	-19.656	-14.673	-29.559	-34.077	-25.221
27	-27.464	-30.724	-30.56	-28.606	-22.69	-20.97	-14.278	-33.139	-30.581	-24.906
28	-26.028	-34.01	-25.366	-24.364	-19.81	-17.056	-13.377	-30.442	-31.194	-33.735
29	-26.399	-28.877	-31.506	-27.395	-18.809	-18.275	-13.725	-32.063	-33.842	-32.397
30	-28.597	-25.315	-30.874	-23.417	-21.673	-21.064	-12.759	-32.226	-30.806	-29.142
31	-26.697	-29.635	-30.176	-24.094	-22.09	-16.768	-13.021	-25.362	-25.609	-29.21
32	-25.165	-27.12	-33.811	-23.268	-19.526	-22.002	-13.79	-33.553	-32.063	-29.633
33	-28.439	-29.549	-29.647	-27.117	-19.135	-21.715	-14.612	-32.755	-30.388	-30.874
34	-26.535	-33.791	-30.519	-23.213	-20.745	-19.835	-12.65	-27.108	-27.58	-27.4
35	-27.898	-28.436	-33.116	-22.734	-19.53	-19.985	-14.46	-29.899	-29.065	-34.066
36	-24.787	-29.933	-32.809	-28.645	-24.032	-19.969	-12.907	-28.716	-26.142	-25.203
37	-31.391	-33.335	-28.698	-23.951	-19.282	-19.188	-12.7	-30.709	-28.811	-27.558
38	-26.346	-25.071	-25.04	-23.163	-22.656	-18.273	-14.384	-30.309	-29.582	-28.809

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4	-12
LowLimit										
Average =	-26.31	-21.76	-19.49	-13.90	-29.82	-29.81	-29.69	-26.78	-21.47	-19.43
STD DEV =	2.26	1.43	1.50	0.69	2.79	2.69	2.66	2.43	1.64	1.42
Cpu	1.52	1.72	1.67	1.89	1.41	1.47	1.46	1.48	1.43	1.74
Cpl										
Cpk	1.52	1.72	1.67	1.89	1.41	1.47	1.46	1.48	1.43	1.74
DATA	-	-	-	-	-	-	-	-	-	-
1	-27.192	-23.993	-18.377	-14.638	-24.668	-30.494	-33.536	-31.005	-21.544	-20.179
2	-24.75	-21.064	-18.705	-13.097	-33.938	-29.309	-33.465	-26.769	-21.689	-19.56
3	-26.891	-18.919	-20.491	-13.291	-24.805	-34.017	-26.912	-22.933	-22.413	-21.942
4	-23.145	-21.75	-20.527	-13.117	-30.687	-33.504	-32.652	-27.706	-22.294	-17.282
5	-24.626	-21.15	-18.286	-14.951	-31.119	-30.308	-32.318	-26.7	-20.12	-18.443
6	-22.978	-21.177	-20.068	-14.958	-26.322	-30.2	-28.827	-28.282	-22.295	-19.484
7	-27.363	-21.872	-17.971	-13.678	-26.155	-27.283	-25.941	-30.284	-23.27	-18.728
8	-25.075	-18.983	-18.539	-14.045	-33.728	-33.304	-27.735	-30.46	-19.402	-19.968
9	-30.692	-20.962	-20.962	-13.989	-26.167	-28.411	-28.108	-23.822	-21.96	-18.233
10	-26.018	-20.953	-20.267	-13.611	-31.418	-34.08	-30.333	-28.861	-19.295	-18.475
11	-24.306	-22.996	-21.745	-14.558	-25.786	-29.254	-29.444	-27.997	-23.876	-19.824
12	-25.571	-21.647	-18.669	-13.734	-31.265	-33.023	-29.572	-29.134	-23.316	-17.656
13	-24.017	-19.34	-19.931	-13.98	-29.707	-27.534	-28.816	-22.632	-23.619	-18.923
14	-30.164	-20.993	-20.887	-14.654	-33.147	-31.463	-31.552	-29.804	-20.243	-21.321
15	-29.911	-22.194	-18.364	-13.857	-28.011	-29.173	-32.614	-27.397	-23.434	-19.158
16	-25.449	-23.657	-19.505	-14.188	-31.296	-25.755	-30.246	-27.613	-20.094	-20.955
17	-28.33	-23.927	-20.951	-13.421	-27.06	-27.729	-28.696	-23.657	-20.297	-18.566
18	-23.267	-20.589	-17.574	-14.748	-30.679	-30.641	-32.975	-24.36	-23.747	-21.68
19	-26.519	-23.141	-17.67	-14.588	-29.684	-30.864	-30.901	-28.389	-22.035	-21.518
20	-30.245	-22.282	-16.944	-13.287	-30.162	-30.161	-30.802	-23.352	-23.226	-18.275
21	-27.904	-21.174	-21.443	-13.619	-31.186	-27.403	-26.742	-27.392	-23.539	-18.945
22	-24.749	-22.281	-17.334	-14.044	-34.109	-26.938	-30.808	-25.511	-19.545	-16.654
23	-30.339	-21.704	-22.027	-13.223	-32.972	-26.626	-29.462	-25.718	-20.847	-21.508
24	-24.985	-23.105	-21.424	-13.919	-32.016	-33.305	-26.005	-29.596	-20.097	-19.009
25	-30.697	-19.121	-16.874	-13.408	-32.537	-31.124	-27.779	-23.503	-19.459	-20.849
26	-26.179	-22.101	-17.711	-14.94	-29.147	-33.731	-33.581	-30.759	-21.961	-21.435
27	-28.02	-21.07	-20.802	-14.422	-29.562	-26.997	-29.111	-25.922	-19.027	-20.552
28	-23.514	-21.894	-19.327	-12.88	-32.935	-25.193	-30.005	-22.632	-21.323	-20.304
29	-24.992	-21.251	-21.861	-14.773	-27.328	-32.52	-34.015	-30.431	-21.295	-17.85
30	-24.326	-22.969	-21.917	-15.122	-30.627	-28.303	-33.404	-25.266	-18.911	-17.581
31	-27.245	-22.354	-18.622	-14.476	-33.112	-28.088	-24.852	-24.304	-19.871	-18.316
32	-26.863	-23.963	-17.936	-13.707	-25.903	-25.293	-26.513	-25.084	-24.056	-19.877
33	-26.175	-19.192	-19.191	-13.303	-31.732	-30.445	-31.261	-26.374	-21.663	-16.635
34	-22.905	-22.915	-18.941	-13.557	-33.548	-26.484	-26.397	-25.046	-22.601	-19.684
35	-26.264	-22.392	-20.421	-14.281	-28.316	-32.161	-31.667	-27.034	-23.862	-20.331
36	-25.029	-23.593	-18.6	-12.593	-28.658	-26.65	-24.687	-26.823	-21.547	-18.591
37	-25.058	-20.501	-20.592	-12.76	-26.941	-31.055	-25.691	-27.155	-18.901	-21.081
38	-28.001	-23.715	-18.996	-12.825	-26.708	-33.914	-30.637	-28.027	-19.244	-19.083

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-10	-18	-18	-18	-16	-14.4	-12	-10	-18	-18
LowLimit										
Average =	-14.12	-29.15	-29.34	-29.27	-27.04	-21.16	-18.84	-13.79	-28.62	-29.26
STD DEV =	0.82	2.51	2.65	2.71	2.24	1.57	1.62	0.72	2.53	2.56
Cpu	1.68	1.48	1.42	1.39	1.64	1.43	1.41	1.75	1.40	1.47
Cpl										
Cpk	1.68	1.48	1.42	1.39	1.64	1.43	1.41	1.75	1.40	1.47
DATA	-	-	-	-	-	-	-	-	-	-
1	-12.767	-26.491	-31.255	-32.108	-29.201	-23.883	-18.976	-14.898	-28.03	-31.682
2	-13.2	-33.631	-31.756	-28.038	-30.093	-20.502	-19.099	-12.837	-25.419	-26.966
3	-14.787	-32.047	-30.22	-33.498	-28.456	-21.064	-21.56	-12.925	-25.977	-25.689
4	-14.369	-26.172	-28.852	-26.004	-30.224	-19.216	-20.187	-14.549	-31.201	-33.959
5	-15.04	-29.176	-28.238	-31.999	-24.203	-21.251	-18.131	-14.077	-28.696	-28.025
6	-14.921	-27.727	-27.094	-30.085	-24.132	-23.144	-19.549	-14.894	-26.094	-27.051
7	-14.769	-25.856	-30.309	-26.414	-27.094	-19.665	-17.8	-14.437	-25.734	-25.726
8	-14.979	-27.478	-33.205	-33.111	-26.759	-19.267	-18.137	-14.044	-30.255	-30.987
9	-14.994	-30.681	-26.646	-29.129	-27.774	-19.144	-18.701	-12.623	-33.235	-26.625
10	-13.756	-28.124	-26.378	-27.695	-27.069	-21.092	-18.895	-13.46	-26.244	-27.887
11	-13.685	-32.853	-31.781	-30.198	-29.118	-22.324	-21.207	-14.916	-29.526	-26.856
12	-14.886	-33.614	-28.488	-33.082	-27.061	-19.544	-17.962	-13.955	-27.138	-30.794
13	-14.315	-29.147	-26.792	-27.14	-27.633	-19.632	-18.548	-14.215	-31.096	-24.928
14	-13.064	-27.103	-33.814	-33.004	-23.183	-22.509	-16.786	-14.358	-26.678	-30.913
15	-15.075	-26.058	-29.487	-29.853	-24.499	-19.023	-17.3	-13.844	-29.37	-31.697
16	-14.707	-31.901	-31.559	-28.415	-26.43	-20.769	-19.856	-13.047	-27.597	-31.842
17	-13.448	-29.887	-25.114	-31.284	-22.84	-23.343	-16.762	-14.047	-25.867	-25.875
18	-15.029	-33.314	-30.294	-26.693	-23.74	-22.287	-21.389	-13.064	-28.41	-31.792
19	-14.744	-30.732	-30.887	-33.109	-27.007	-22.993	-16.802	-12.912	-26.472	-27.21
20	-14.5	-32.261	-28.347	-28.34	-28.922	-19.504	-21.066	-13.366	-32.628	-27.401
21	-12.955	-28.23	-28.936	-25.381	-24.459	-23.27	-16.952	-12.825	-32.409	-29.387
22	-14.481	-28.117	-27.788	-33.979	-28.047	-18.861	-17.83	-12.635	-33.568	-33.62
23	-12.611	-28.819	-25.644	-31.067	-30.734	-21.478	-19.905	-12.982	-24.78	-28.405
24	-14.571	-27.772	-33.676	-25.004	-26.748	-23.879	-20.935	-14.383	-24.95	-28.109
25	-14.844	-25.086	-27.081	-27.786	-25.456	-22.65	-21.26	-13.688	-27.186	-27.656
26	-12.68	-27.832	-25.757	-32.852	-27.974	-21.713	-19.618	-14.32	-29.951	-29.246
27	-14.667	-27.886	-25.425	-26.835	-29.089	-23.752	-17.209	-13.557	-28.819	-32.267
28	-13.395	-32.092	-31.66	-27.623	-27.871	-21.903	-18.209	-14.776	-27.683	-32.629
29	-14.898	-28.936	-28.718	-27.134	-26.359	-22.132	-18.211	-14.866	-28.362	-27.36
30	-13.432	-29.692	-30.22	-28.943	-24.425	-20.3	-16.644	-14.644	-29.203	-26.574
31	-14.772	-30.082	-24.805	-25.585	-23.849	-19.45	-16.577	-14.019	-26.095	-32.39
32	-12.92	-26.527	-32.057	-26.404	-26.944	-22.122	-20.447	-13.712	-31.908	-32.18
33	-14.398	-28.982	-26.211	-33.697	-29.024	-20.967	-20.806	-14.107	-32.61	-29.234
34	-13.572	-26.25	-26.988	-27.037	-25.66	-19.258	-16.597	-13.449	-27.48	-29.792
35	-14.443	-26.123	-33.309	-29.753	-30.557	-22.172	-16.671	-12.99	-30.613	-30.107
36	-14.887	-31.798	-33.034	-29.942	-24.755	-20.202	-20.56	-13.545	-24.989	-26.445
37	-13.169	-25.889	-32.414	-25.952	-30.73	-21.14	-20.893	-12.58	-30.493	-33.972
38	-12.948	-33.155	-30.578	-28.192	-29.398	-18.827	-17.964	-14.368	-30.848	-28.531

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-28.72	-27.00	-21.72	-20.00	-13.92	-31.48	-30.01	-30.04	-26.40	-21.30
STD DEV =	2.41	2.37	1.56	1.35	0.75	3.20	2.77	2.65	2.34	1.69
Cpu	1.48	1.55	1.57	1.97	1.74	1.40	1.44	1.52	1.48	1.36
Cpl										
Cpk	1.48	1.55	1.57	1.97	1.74	1.40	1.44	1.52	1.48	1.36
DATA	-	-	-	-	-	-	-	-	-	-
1	-24.647	-24.813	-18.874	-20.425	-15.081	-33.846	-28.442	-29.145	-23.305	-20.407
2	-31.832	-27.049	-19.442	-22.109	-14.483	-27.817	-31.575	-28.929	-25.404	-23.765
3	-31.238	-30.277	-23.789	-18.632	-13.393	-33.466	-26.318	-30.951	-26.128	-18.758
4	-28.308	-28.265	-19.119	-21.09	-14.625	-26.759	-32.78	-30.222	-30.725	-20.074
5	-31.286	-26.902	-20.51	-21.452	-13.271	-25.254	-33.283	-33.998	-24.416	-23.473
6	-29.476	-29.627	-21.117	-18.491	-14.216	-33.969	-29.015	-26.705	-23.498	-18.878
7	-25.211	-29.187	-23.231	-16.971	-12.619	-30.289	-27.617	-32.598	-23.919	-21.585
8	-31.087	-27.436	-23.619	-20.487	-12.891	-33.857	-27.043	-32.952	-26.609	-20.747
9	-31.06	-26.364	-24.018	-21.429	-12.91	-32.318	-27.717	-26.231	-27.97	-23.501
10	-26.048	-28.239	-21.08	-20.059	-14.958	-33.246	-30.636	-31.484	-29.687	-19.02
11	-29.381	-28.618	-21.565	-20.178	-13.969	-30.363	-26.694	-26.284	-27.799	-21.629
12	-25.392	-26.748	-20.323	-20.785	-13.642	-30.555	-32.156	-29.903	-24.603	-21.855
13	-28.696	-24.354	-20.958	-19.468	-14.015	-28.749	-32.461	-32.197	-24.263	-22.168
14	-33.263	-24.041	-20.995	-20.774	-13.791	-24.147	-33.973	-30.193	-27.919	-19.912
15	-30.499	-27.742	-23.982	-17.765	-12.707	-31.337	-28.505	-33.521	-25.912	-21.779
16	-32.532	-26.564	-21.448	-17.912	-13.709	-33.737	-30.049	-29.547	-29.917	-22.644
17	-27.147	-24.417	-20.867	-18.242	-14.882	-32.989	-27.474	-33.009	-22.913	-19.251
18	-27.433	-23.634	-20.984	-18.757	-15.056	-35.73	-31.846	-25.962	-24.25	-20.451
19	-30.665	-24.524	-18.939	-21.966	-14.336	-27.983	-33.092	-30.756	-25.14	-18.699
20	-28.422	-24.534	-20.038	-19.295	-13.762	-30.207	-31.94	-31.874	-25.517	-18.714
21	-30.117	-24.261	-23.931	-18.626	-12.643	-31.595	-31.493	-33.4	-27.303	-21.873
22	-27.006	-30.352	-23.319	-19.536	-14.789	-35.856	-33.94	-31.426	-25.593	-21.695
23	-25.294	-23.537	-21.588	-19.011	-12.974	-31.747	-26.914	-30.635	-25.359	-23.316
24	-30.895	-25.445	-22.048	-21.285	-14.424	-26.916	-29.085	-33.854	-26.914	-21.918
25	-31.071	-29.109	-23.714	-20.826	-13.678	-30.558	-30.99	-27.562	-28.743	-24.054
26	-24.633	-26.608	-21.573	-22.088	-14.469	-34.759	-32.441	-31.459	-27.095	-21.466
27	-27.399	-22.66	-20.697	-18.857	-13.188	-29.131	-33.188	-25.974	-28.475	-21.421
28	-26.378	-23.04	-23.629	-20.392	-13.987	-34.525	-26.813	-27.58	-29.187	-18.627
29	-27.796	-30.108	-23.062	-21.445	-14.736	-31.218	-24.68	-27.056	-28.399	-21.05
30	-26.457	-28.806	-23.324	-18.919	-14.918	-35.981	-32.956	-28.306	-25.176	-24.039
31	-26.991	-28.589	-21.997	-21.332	-14.971	-26.998	-33.299	-32.987	-22.963	-21.596
32	-26.266	-28.323	-22.924	-20.098	-14.59	-32.22	-29.235	-27.51	-22.587	-19.399
33	-30.254	-30.803	-21.611	-21.614	-14.149	-32.715	-24.677	-28.012	-22.966	-19.357
34	-26.037	-24.535	-21.337	-18.365	-13.048	-32.587	-32.836	-33.542	-27.786	-24.032
35	-29.321	-28.646	-18.581	-20.738	-12.897	-34.383	-24.585	-28.574	-27.856	-23.559
36	-28.89	-30.823	-21.55	-20.797	-13.992	-27.711	-30.141	-25.424	-30.221	-22.372
37	-32.548	-27.706	-22.69	-18.544	-13.468	-32.143	-29.276	-28.022	-30.91	-21.665
38	-30.199	-29.144	-22.706	-21.162	-13.859	-38.764	-31.26	-33.884	-25.707	-20.702

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	Hipot
Condition:	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	1500VAC/ 60s/1mA
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	
HighLimit	-12	-10	-18	-18	-18	-16	-14.4	-12	-10	
LowLimit										
Average =	-19.61	-13.96	-30.01	-29.85	-29.49	-27.50	-21.41	-19.50	-13.84	
STD DEV =	1.69	0.77	2.81	2.77	2.67	2.67	1.65	1.64	0.73	
Cpu	1.50	1.72	1.43	1.43	1.44	1.44	1.41	1.52	1.75	
Cpl										
Cpk	1.50	1.72	1.43	1.43	1.44	1.44	1.41	1.52	1.75	
DATA	-	-	-	-	-	-	-	-	-	
1	-21.964	-12.899	-28.875	-25.661	-31.705	-30.519	-20.459	-18.28	-14.596	Pass
2	-18.673	-12.868	-25.585	-29.257	-28.752	-25.823	-22.524	-19.877	-14.789	Pass
3	-21.77	-14.929	-27.363	-33.628	-33.336	-28.346	-21.904	-21.532	-13.62	Pass
4	-17.23	-13.664	-31.756	-31.376	-30.75	-30.388	-21.154	-21.748	-14.694	Pass
5	-21.453	-14.026	-29.884	-28.336	-24.863	-30.413	-20.728	-18.869	-13.491	Pass
6	-21.097	-13.162	-31	-24.949	-33.137	-27.04	-23.401	-21.403	-13.339	Pass
7	-20.601	-14.918	-27.621	-32.48	-32.689	-24.17	-21.029	-20.884	-12.919	Pass
8	-20.277	-13.551	-30.301	-25.377	-32.722	-29.898	-19.109	-17.14	-14.163	Pass
9	-17.481	-12.939	-32.663	-30.003	-29.024	-30.72	-22.576	-20.779	-14.283	Pass
10	-16.573	-12.625	-31.727	-27.96	-29.693	-29.397	-20.228	-17.406	-13.367	Pass
11	-20.392	-14.258	-31.11	-27.635	-33.494	-30.231	-19.292	-18.043	-13.019	Pass
12	-16.861	-14.203	-32.97	-30.898	-28.344	-22.96	-20.823	-17.44	-13.107	Pass
13	-19.383	-12.696	-30.547	-31.39	-28.872	-27.03	-18.758	-17.308	-13.301	Pass
14	-20.137	-14.607	-33.052	-30.387	-29.413	-29.293	-19.695	-21.794	-13.313	Pass
15	-19.434	-13.888	-33.666	-30.811	-33.903	-29.38	-18.698	-17.691	-13.478	Pass
16	-21.99	-15.121	-31.939	-33.969	-32.649	-23.949	-20.285	-20.436	-13.602	Pass
17	-17.906	-14.749	-33.381	-28.675	-32.801	-28.11	-23.827	-16.711	-13.408	Pass
18	-21.901	-13.515	-26.299	-31.443	-32.085	-24.134	-23.15	-18.702	-15.077	Pass
19	-18.774	-15.048	-32.893	-32.98	-32.811	-25.415	-21.771	-20.16	-14.539	Pass
20	-21.52	-14.051	-29.321	-33.124	-29.795	-26.385	-19.698	-18.359	-13.057	Pass
21	-21.949	-13.224	-27.141	-27.84	-30.935	-23.667	-19.697	-20.962	-13.278	Pass
22	-16.903	-13.606	-30.725	-33.288	-29.836	-24.575	-20.154	-18.209	-12.822	Pass
23	-20.691	-14.356	-32.192	-31.733	-25.074	-25.434	-21.339	-17.908	-14.729	Pass
24	-19.943	-14.29	-25.236	-34.065	-27.501	-29.905	-23.47	-20.278	-13.745	Pass
25	-17.929	-14.867	-27.846	-25.503	-25.553	-23.041	-20.816	-19.834	-13.412	Pass
26	-20.856	-14.12	-33.6	-30.141	-26.986	-27.716	-24.12	-21.916	-14.767	Pass
27	-21.909	-12.662	-31.698	-28.515	-26.071	-25.365	-22.794	-17.858	-13.959	Pass
28	-17.572	-14.663	-26.956	-31.746	-29.29	-29.565	-23.023	-21.092	-12.695	Pass
29	-18.599	-12.577	-33.404	-24.864	-28.196	-24.175	-18.847	-19.857	-14.637	Pass
30	-20.407	-14.98	-31.158	-30.353	-28.532	-30.513	-23.714	-21.604	-13.014	Pass
31	-17.239	-13.83	-25.326	-26.22	-29.583	-27.138	-20.89	-19.183	-13.534	Pass
32	-18.943	-13.93	-33.989	-27.191	-31.856	-26.924	-22.936	-18.134	-14.468	Pass
33	-17.258	-13.942	-31.144	-32.385	-25.781	-30.708	-21.522	-21.628	-14.972	Pass
34	-20.436	-13.581	-26.002	-34.06	-26.449	-26.888	-22.653	-21.685	-13.878	Pass
35	-19.691	-14.837	-29.014	-26.113	-27.518	-31.007	-21.357	-21.376	-12.674	Pass
36	-20.711	-14.369	-32.081	-31.452	-25.755	-30.824	-23.751	-19.079	-14.22	Pass
37	-20.013	-13.963	-25.042	-29.699	-27.348	-23.277	-19.311	-17.148	-14.842	Pass
38	-18.64	-14.862	-25.814	-28.685	-27.578	-30.83	-23.989	-18.793	-14.99	Pass

Appendix 3

HX6101NL Temperature Humidity1000hrs Electrical Test Data

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1,2,3-4,5,6	4,5,6-7,8,9	7,8,9-10,11,12	10,11,12-13,14,15	13,14,15-16,17,18	16,17,18-19,20,21	19,20,21-22,23,24	22,23,24-25,26,27	25,26,27-28,29,30	28,29,30-31,32,33
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	114.52	112.60	109.21	114.08	112.44	111.88	113.24	113.50	112.60	114.14
STD DEV =	14.80	14.08	14.72	16.13	13.51	15.86	14.93	14.85	14.36	14.72
Cpu										
Cpl	2.35	2.43	2.25	2.15	2.53	2.14	2.30	2.32	2.38	2.36
Cpk	2.35	2.43	2.25	2.15	2.53	2.14	2.30	2.32	2.38	2.36
DATA	-	-	-	-	-	-	-	-	-	-
1	98.967	96.303	99.562	89.512	112.41	107.902	99.821	131.132	115.191	117.758
2	117.295	133.349	131.137	118.217	110.261	104.997	132.814	128.432	87.95	119.976
3	136.825	101.346	125.358	118.338	87.729	133.902	139.228	110.571	126.464	128.44
4	118.933	127.096	91.329	125.416	137.678	110.18	110.381	117.776	131.624	104.742
5	112.378	90.387	102.577	104.079	134.578	87.826	90.714	90.877	100.827	124.356
6	99.913	119.285	91.228	123.387	100.355	139.545	105.12	103.395	113.014	101.235
7	118.754	94.073	128.363	101.977	107.247	111.546	101.291	110.34	100.267	109.28
8	112.372	120.545	123.671	110.888	96.613	130.109	91.695	131.804	96.323	103.864
9	115.587	97.469	94.988	127.855	92.31	90.631	130.676	125.812	97.548	129.406
10	90.054	101.976	99.566	137.912	112.423	127.258	103.468	132.53	119.812	115.466
11	131.57	122.07	87.681	108.631	111.427	133.641	133.732	138.908	107.265	126.917
12	123.232	96.751	93.759	114.137	111.3	115.073	117.042	118.94	133.724	128.387
13	126.007	106.078	128.813	88.695	96.273	93.229	109.567	102.311	96.436	101.573
14	94.673	101.033	111.424	124.587	135.429	113.533	126.722	100.5	93.444	96.232
15	129.837	89.727	92.885	114.722	124.239	117.581	130.009	114.849	121.384	100.516
16	117.082	112.227	127.814	125.796	104.514	99.685	125.026	138.064	95.722	137.898
17	96.219	102.002	133.598	132.661	127.434	107.949	131.215	106.616	130.376	140.063
18	101.874	140.196	102.796	88.678	111.363	131.603	118.233	129.172	121.1	96.811
19	127.108	107.367	119.612	121.069	103.745	132.792	97.345	92.927	104.553	136.355
20	141.217	121.128	97.009	93.061	120.165	98.731	132.152	87.686	106.1	92.334
21	114.653	112.661	136.254	130.155	120.344	91.136	127.947	111.014	128.344	95.301
22	120.541	140.97	108.754	96.507	95.284	93.823	107.557	95.925	88.296	108.658
23	95.002	129.421	105.545	134.111	123.796	117.571	112.362	117.049	132.839	117.835
24	129.409	103.895	113.126	91.459	127.216	125.72	131.99	116.902	114.831	108.048
25	115.043	109.332	127.494	90.465	116.337	105.358	110.527	91.002	125.694	87.678
26	132.182	138.406	113.12	92.203	109.815	117.478	97.763	113.004	121.456	119.881
27	130.661	92.315	94.891	113.582	90.83	95.279	127.898	112.855	108.172	129.835
28	125.708	104.84	103.116	109.937	106.115	135.768	90.974	112.366	123.092	101.86
29	87.835	120.248	92.549	138.281	117.175	87.165	87.159	117.805	129.697	117.936
30	87.61	128.025	105.956	97.858	109.406	127.611	127.57	97.399	107.545	115.931
31	129.887	102.972	105.044	105.009	125.477	117.437	106.067	101.314	114.504	112.19
32	114.425	118.453	92.008	130.886	112.493	127.055	120.59	102.76	87.577	112.89
33	113.912	124.85	133.389	125.101	94.696	132.154	101.791	141.137	134.562	120.895
34	118.489	105.743	103.799	94.752	113.158	103.191	126.686	124.693	104.833	135.685
35	97.488	113.466	91.719	139.702	94.43	106.922	103.874	103.523	120.883	140.791
36	133.081	128.476	105.379	118.599	132.409	97.324	93.756	95.145	100.042	91.404
37	99.397	109.307	106.654	140.233	110.742	94.136	97.901	138.87	133.539	114.925
38	96.376	114.972	127.917	116.736	135.585	88.434	104.606	107.458	103.663	94.136

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31,32,33-34,35,36	34,35,36-37,38,39	37,38,39-40,41,42	40,41,42-43,44,45	43,44,45-46,47,48	2-3	5-6	8-9	11-12	14-15
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	mohms	mohms	mohms	mohms	mohms
HighLimit						2000	2000	2000	2000	2000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	116.89	113.77	110.11	113.22	116.70	1,206.41	1,199.82	1,181.99	1,190.29	1,231.34
STD DEV =	15.39	14.32	15.29	16.85	15.38	24.48	19.72	15.71	26.30	17.76
Cpu						10.81	13.53	17.35	10.26	14.43
Cpl	2.32	2.42	2.18	2.04	2.31	16.29	20.11	24.86	14.96	22.93
Cpk	2.32	2.42	2.18	2.04	2.31	10.81	13.53	17.35	10.26	14.43
DATA	-	-	-	-	-	-	-	-	-	-
1	120.394	121.755	89.026	107.058	101.861	1212.986	1197.001	1175.544	1184.093	1232.112
2	102.678	114.672	128.381	106.432	127.62	1182.936	1213.08	1176.954	1226.563	1232.07
3	90.925	100.134	87.253	90.458	134.391	1223.921	1194.363	1183.518	1225.302	1213.451
4	129.014	93.26	111.975	120.363	93.074	1223.671	1175.462	1162.197	1186.861	1214.341
5	110.084	99.998	93.485	120.899	130.12	1190.272	1212.981	1184.573	1187.675	1245.631
6	98.202	87.543	116.655	127.863	107.884	1187.082	1196.535	1176.617	1178.553	1214.623
7	116.051	109.035	98.691	118.67	137.193	1248.764	1215.277	1225.697	1188.238	1250.52
8	109.178	115.874	106.6	112.369	126.554	1189.433	1188.462	1185.344	1168.404	1245.898
9	87.712	105.719	101.139	88.784	126.531	1254.775	1219.179	1185.903	1185.935	1246.508
10	126.715	120.97	117.885	122.625	126.713	1205.714	1188.366	1169.83	1184.091	1227.028
11	94.263	137.213	125.214	139.002	135.01	1220.915	1187.229	1165.077	1160.28	1215.153
12	109.506	129.695	102.096	127.53	92.347	1247.068	1187.333	1166.846	1191.527	1219.865
13	129.299	110.114	139.681	138.515	93.426	1184.28	1197.63	1187.104	1172.993	1226.469
14	127.966	113.649	120.256	135.169	105.763	1201.856	1196.566	1189.7	1175.685	1225.939
15	123.847	137.129	133.318	95.737	109.733	1173.375	1178.3	1166.445	1189.885	1219.399
16	106.265	126.181	124.91	95.288	137.855	1151.437	1164.374	1181.174	1197.054	1221.161
17	139.738	94.395	123.139	124.516	109.267	1176.272	1205.971	1172.061	1192.333	1218.619
18	95.649	110.481	105.392	96.774	126.776	1209.403	1190.657	1164.879	1163.062	1204.458
19	120.263	112.806	125.432	130.663	123.584	1200.69	1208.086	1197.146	1184.698	1230.019
20	121.003	109.104	96.312	87.536	136.05	1219.589	1226.599	1177.221	1166.83	1248.227
21	136.177	97.327	94.834	99.504	135.155	1224.856	1222.504	1235.235	1205.397	1274.02
22	122.289	97.173	88.291	89.264	133.337	1203.791	1182.055	1177.165	1178.28	1221.004
23	122.271	113.309	126.536	104.231	100.213	1221.423	1194.424	1167.457	1171.399	1232.028
24	107.185	107.671	96.818	132.404	115.174	1200.528	1220.851	1182.865	1208.936	1252.514
25	102.914	125.548	94.366	126.447	130.487	1180.875	1194.171	1183.339	1180.438	1236.947
26	105.484	135.283	124.204	99.481	126.767	1205.201	1191.742	1176.319	1188.979	1213.165
27	113.996	133.437	122.157	140.922	89.068	1272.787	1224.34	1186.196	1192.141	1224.505
28	127.727	136.619	112.495	118.989	95.444	1228.677	1214.102	1181.952	1181.387	1209.373
29	95.25	127.648	109.497	90.933	97.382	1186.628	1173.524	1159.531	1193.215	1214.84
30	137.765	88.216	93.744	114.982	121.504	1200.808	1193.752	1170.712	1173.286	1227.799
31	129.316	122.45	93.684	100.991	100.255	1216.277	1174.152	1179.784	1295.075	1227.842
32	116.54	91.608	106.841	95.095	119.335	1189.96	1211.479	1184.1	1194.211	1280.692
33	116.806	109.775	98.198	126.515	124.408	1200.191	1202.31	1218.714	1156.208	1240.576
34	140.542	100.911	137.08	97.778	134.743	1194.64	1261.186	1188.103	1168.651	1209.909
35	134.749	130.772	95.805	141.149	103.567	1190.406	1226.583	1191.411	1186.131	1269.347
36	141.099	123.746	117.446	92.832	121.852	1193.225	1200.63	1180.751	1216.672	1243.795
37	93.455	122.576	133.765	126.7	96.702	1189.663	1203.529	1173.778	1170.179	1235.605
38	139.338	109.641	91.632	118.049	107.308	1239.117	1158.307	1184.489	1260.433	1225.548

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	20-21	23-24	25-26	28-29	31-32	34-35	37-38	40-41	43-44
Unit	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms
HighLimit	2000	2000	2000	1000	1000	1000	1000	1000	1000	1000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	1,187.90	1,195.86	1,222.21	399.70	406.54	399.50	401.75	393.50	409.90	412.10
STD DEV =	15.48	17.14	18.11	16.19	61.88	17.34	7.68	16.44	13.45	14.63
Cpu	17.49	15.64	14.32	12.36	3.20	11.54	25.98	12.30	14.62	13.39
Cpl	25.36	23.06	22.32	8.03	2.14	7.49	17.01	7.77	9.91	9.16
Cpk	17.49	15.64	14.32	8.03	2.14	7.49	17.01	7.77	9.91	9.16
DATA	-	-	-	-	-	-	-	-	-	-
1	1192.649	1192.301	1220.531	399.572	398.862	407.901	403.436	395.642	428.605	407.908
2	1175.473	1212.659	1229.34	396.624	398.945	399.196	401.376	392.331	424.178	400.355
3	1239.962	1185.362	1208.899	394.573	394.149	398.613	386.659	405.11	417.128	419.458
4	1199.247	1199.362	1221.054	393.88	400.541	399.35	398.782	387.718	407.597	411.003
5	1172.836	1220.217	1210.426	393.267	401.494	406.86	402.795	390.414	406.512	402.597
6	1173.898	1177.344	1210.54	398.402	393.477	402.091	399.325	389.619	406.824	402.364
7	1190.862	1206.302	1233.032	395.989	390.7	389.875	397.738	393.168	406.235	401.561
8	1177.565	1186.445	1203.217	392.686	390.295	391.645	395.959	389.263	401.907	404.895
9	1175.851	1210.602	1244.834	402.782	397.629	396.358	407.721	396.855	403.379	412.454
10	1180.705	1199.825	1231.211	395.533	395.603	392.833	395.207	394.181	410.496	406.723
11	1170.637	1223.758	1229.214	393.839	390.448	391.591	398.004	386.858	400.845	404.712
12	1201.388	1193.927	1225.052	388.877	403.032	401.209	400.672	389.194	402.126	414.417
13	1167.313	1173.479	1246.451	397.306	387.175	388.51	396.606	384.568	397.481	407.696
14	1170.208	1176.209	1247.991	398.813	387.14	388.436	397.747	385.119	400.468	401.006
15	1202.065	1193.952	1222.969	392.49	403.308	398.222	401.279	387.99	401.274	410.401
16	1196.833	1168.298	1191.641	389.142	396.444	390.146	405.76	389.078	407.288	394.307
17	1190.04	1186.662	1222.568	397.069	387.342	394.412	399.014	381.526	398.878	404.462
18	1202.467	1206.022	1213.941	397.576	402.345	396.125	390.931	376.146	397.029	398.042
19	1171.286	1178.187	1250.233	400.033	388.176	389.062	395.928	389.958	406.657	408.268
20	1192.59	1184.431	1210.921	391.175	397.625	394.959	404.17	386.284	406.539	395.388
21	1211.128	1238.001	1269.948	403.412	410.079	399.802	418.954	400.1	475.577	411.665
22	1213.817	1173.667	1201.554	396.471	393.558	398.586	404.683	392.004	410.092	405.772
23	1182.804	1164.199	1217.439	400.389	392.865	396.663	402.665	382.5	406.287	400.331
24	1182.185	1185.082	1260.551	391.7	375.107	392.933	395.132	391.96	407.261	407.823
25	1186.046	1194.481	1202.984	394.122	406.3	398.637	399.285	391.451	408.479	412.506
26	1191.062	1192.667	1203.556	393.192	395.57	397.412	392.84	405.811	400.049	414.633
27	1173.197	1209.157	1197.904	394.151	395.424	386.517	402.629	384.562	401.935	445.138
28	1182.13	1216.484	1211.186	398.962	400.189	391.161	398.096	386.219	408.467	430.192
29	1183.65	1214.949	1191.818	401.163	397.961	405.357	398.744	388.867	402.972	471.055
30	1202.178	1181.004	1223.302	409.048	397.014	400.413	412.685	390.373	410.41	405.316
31	1180.401	1194.972	1222.758	400.186	405.223	396.428	405.461	386.778	419.145	445.955
32	1185.268	1206.568	1222.118	394.628	399.396	387.81	401.672	384.459	404.097	414.554
33	1195.482	1176.622	1202.6	392.36	372.317	390.64	409.649	379.416	419.664	408.346
34	1198.616	1200.14	1240.654	404.317	402.967	396.822	399.626	473.27	409.882	408.625
35	1193.654	1218.456	1214.596	393.461	405.272	401.043	399.362	394.12	411.153	418.07
36	1160.322	1188.663	1227.962	409.61	779.082	434.527	412.091	399.68	406.536	414.522
37	1203.899	1191.064	1220.005	493.233	391.295	492.85	402.981	391.546	409.017	422.148
38	1170.529	1221.128	1238.918	408.462	424.217	395.913	430.975	438.817	433.881	415.042

Parameter	DCR	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	2-1	1-3	5-4	4-6	8-7	7-9	11-10	10-12	14-13
Unit	mohms	n	n	n	n	n	n	n	n	n
HighLimit	1000	500	500	500	500	500	500	500	500	500
LowLimit	10									
Average =	423.57	215.79	199.65	180.64	188.99	211.39	210.38	189.96	204.91	196.12
STD DEV =	53.76	6.01	3.33	13.34	3.55	2.40	2.92	3.89	3.62	3.14
Cpu	3.57	15.75	30.10	7.98	29.19	40.13	33.07	26.55	27.16	32.30
Cpl	2.56									
Cpk	2.56	15.75	30.10	7.98	29.19	40.13	33.07	26.55	27.16	32.30
DATA	-	-	-	-	-	-	-	-	-	-
1	395.347	210.841	198.363	170.12	186.3	206.502	205.523	185.397	202.228	199.712
2	395.682	213.893	196.368	171.473	189.188	210.197	211.255	190.304	210.86	195.834
3	397.076	210.165	199.103	175.702	198.726	210.088	209.27	191.568	210.494	195.7
4	405.588	210.534	203.064	165.701	188.399	211.586	208.389	190.562	205.436	195.037
5	401.605	214.25	202.092	172.85	190.616	210.506	211.155	187.386	204.591	200.275
6	407.276	215.34	203.484	169.575	194.72	211.782	214.981	185.906	202.834	194.179
7	398.966	213.947	199.688	195.653	190.007	213.303	217.42	187.396	206.581	199.829
8	405.51	212.09	204.83	192.566	193.558	213.967	210.786	187.674	202.381	201.167
9	416.858	214.143	201.432	179.656	189.407	217.222	215.628	192.782	206.947	195.206
10	402.31	205.696	198.89	178.868	190.393	211.852	208.463	186.297	202.396	199.759
11	402.073	211.653	198.028	170.408	188.158	207.426	207.082	188.866	204.263	196.75
12	404.75	212.268	206.087	165.91	188.739	211.38	207.735	190.987	206.386	196.553
13	395.298	210.478	198.26	171.623	185.095	212.843	212.615	187.824	202.207	195.487
14	400.783	208.745	199.434	172.822	187.1	212.741	212.386	188.931	205.326	195.532
15	410.354	208.742	203.195	163.441	187.603	212.027	206.22	191.614	204.403	195.829
16	391.183	203.508	198.429	167.712	186.613	211.607	210.447	193.845	205.545	194.425
17	397.455	213.96	204.115	175.152	190.408	209.871	211.444	190.429	204.475	194.977
18	408.515	213.373	197.097	166.536	186.426	210.054	207.843	185.643	201.156	195.484
19	395.689	222.392	200.416	196.851	187.308	212.037	214.96	188.641	203.041	196.183
20	422.885	221.823	203.698	186.097	192.932	211.009	213.098	187.038	207.798	201.174
21	569.303	221.286	200.648	190.156	187.25	213.145	213.871	189.424	202.301	193.766
22	409.004	221.288	203.779	181.192	184.663	214.124	209.474	187.176	203.23	194.325
23	410.256	216.816	198.975	215.062	190.793	214.561	211.158	189.193	202.933	197.518
24	403.382	221.062	197.658	220.225	191.404	207.515	207.307	191.163	212.634	204.897
25	399.08	219.347	204.048	186.721	185.979	213.311	209.399	186.944	201.705	195.251
26	402.202	222.745	201.936	201.131	191.232	207.425	208.015	202.239	217.305	191.472
27	402.041	217.41	201.393	198.554	193.491	212.157	209.663	196.596	209.31	191.727
28	410.969	221.892	201.397	187.181	186.056	209.785	213.658	188.354	200.25	193.416
29	401.61	216.973	196.003	190.668	184.77	209.109	209.368	188.545	201.942	192.657
30	523.342	223.838	198.413	182.76	187.598	209.941	207.189	186.093	202.526	196.247
31	410.579	234.329	196.123	183.626	186.705	216.275	210.748	193.943	203.508	195.289
32	400.164	215.867	194.436	179.415	188.216	209.326	208.713	191.821	202.456	198.506
33	396.798	215.565	200.29	177.339	189.77	213.246	208.873	187.785	201.864	195.523
34	489.864	218.559	192.525	179.901	198.255	208.91	211.535	190.054	207.089	193.409
35	491.422	223.517	199.274	174.827	188.232	210.937	208.843	184.601	199.056	202.352
36	414.905	219.448	195.862	171.096	185.154	213.255	215.738	201.314	206.862	189.932
37	448.055	215.788	194.284	174.003	189.127	213.565	206.949	189.236	204.109	192.814
38	657.547	206.571	193.397	161.674	181.09	208.318	207.229	194.965	208.053	194.489

Parameter	LL	LL	LL	LL	LL	LL	LL	BL	BL	BL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	13-15	17-16	16-18	20-19	19-21	23-22	22-24	2-1:1-3	5-4:4-6	8-7:7-9
Unit	n	n	n	n	n	n	n	*1	*1	*1
HighLimit	500	500	500	500	500	500	500	1.2	1.2	1.2
LowLimit								0.8	0.8	0.8
Average =	212.98	188.44	192.57	195.50	193.38	205.01	225.25	1.06	0.96	1.00
STD DEV =	4.17	3.41	3.94	6.14	5.72	4.41	4.37	0.03	0.04	0.01
Cpu	22.96	30.45	26.04	16.52	17.86	22.27	20.94	1.36	2.02	5.00
Cpl								2.64	1.35	5.25
Cpk	22.96	30.45	26.04	16.52	17.86	22.27	20.94	1.36	1.35	5.00
DATA	-	-	-	-	-	-	-	-	-	-
1	212.927	190.965	192.063	199.802	197.107	201.718	224.972	1.063	0.913	1.005
2	214.13	183.234	194.528	196.591	195.799	199.305	225.618	1.089	0.906	0.995
3	209.962	187.398	191.845	193.398	194.949	201.734	222.725	1.056	0.984	1.004
4	214.845	185.752	191.699	198.241	196.881	206.962	220.923	1.037	0.98	1.015
5	214.631	189.821	193.467	199.092	199.76	210.505	232.693	1.06	0.907	0.997
6	206.957	191.025	187.697	198.97	195.319	198.561	224.405	1.058	0.971	0.985
7	216.605	188.555	200.576	198.274	189.377	200.627	224.116	1.071	1.03	0.981
8	214.642	189.852	195.441	199.981	193.476	202.466	224.168	1.035	0.995	1.015
9	213.614	189.916	197.032	195.956	193.167	211.654	231.003	1.063	0.949	1.007
10	213.876	186.349	189.563	193.259	190.107	208.089	223.602	1.034	0.939	1.016
11	213.658	191.406	195.857	197.997	194.253	202.023	224.18	1.069	0.906	1.002
12	219.453	185.472	192.628	194.221	193.434	208.414	221.461	1.03	0.979	1.018
13	210.743	183.093	187.085	199.585	197.321	209.42	233.47	1.062	0.927	1.001
14	211.084	182.81	187.35	195.641	196.82	207.937	232.892	1.047	0.924	1.002
15	218.26	186.668	191.783	192.289	192.407	209.035	221.126	1.027	0.971	1.028
16	218.295	192.298	195.581	194.8	193.679	205.132	223.16	1.026	0.899	1.006
17	214.539	192.605	196.262	197.411	194.473	205.289	223.348	1.048	0.92	0.993
18	215.005	189.606	194.463	192.775	192.866	207.074	227.969	1.083	0.893	1.011
19	213.284	181.525	187.27	193.288	196.4	209.366	236.074	1.11	1.001	0.986
20	222.758	190.173	193.1	195.359	192.394	202.395	224.581	1.089	0.965	0.99
21	216.732	187.026	190.7	204.721	191.935	206.31	226.139	1.103	1.016	0.997
22	213.266	191.651	195.467	195.42	193.504	203.504	223.698	1.086	0.981	1.022
23	220.477	188.61	192.066	200.47	195.582	203.175	225.965	1.09	1.007	1.016
24	214.771	187.553	190.396	195.533	189.783	207.961	228.508	1.118	1.001	1.001
25	211.392	189.35	190.269	204.502	199.92	204.225	227.621	1.075	1.004	1.019
26	204.068	191.13	193.565	200.241	193.089	205.107	225.246	1.103	1.002	0.997
27	207.506	186.192	190.879	204.821	202.616	202.301	226.848	1.08	1.006	1.012
28	208.784	190.282	192.537	205.985	206.579	214.952	232.71	1.102	1.006	0.982
29	210.293	189.843	194.388	201.22	208.776	209.383	227.257	1.107	1.002	0.999
30	214.29	194.891	195.972	189.768	188.63	207.366	222.017	1.008	0.974	1.013
31	213.717	190.485	195.78	199.219	192.032	203.481	219.826	1.005	0.984	1.026
32	212.664	193.878	203.499	185.917	187.226	198.063	220.376	1.11	0.953	1.003
33	213.7	193.941	196.791	193.022	186.724	193.663	215.646	1.076	0.934	1.021
34	209.492	189.863	191.723	180.367	185.973	201.612	219.175	1.005	0.907	0.988
35	214.362	185.267	190.605	181.494	179.655	203.402	225.983	1.002	0.929	1.01
36	207.971	183.721	183.554	187.256	186.778	198.999	219.452	1.02	0.924	0.988
37	203.306	186.592	186.961	181.924	183.877	206.831	223.439	1.111	0.92	1.032
38	207.116	181.917	187.257	190.124	185.961	212.516	227.11	1.068	0.993	1.005

Parameter	BL	BL	BL	BL	BL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-10: 10-12	14-13: 13-15	17-16: 16-18	20-19: 19-21	23-22: 22-24	1-2,3	4-5,6	7-8,9	10-11,12	13-14,15
Unit	*1	*1	*1	*1	*1	nH	nH	nH	nH	nH
HighLimit	1.2	1.2	1.2	1.2	1.2	110	110	110	110	110
LowLimit	0.8	0.8	0.8	0.8	0.8					
Average =	0.93	0.92	0.98	1.01	0.91	62.57	62.13	62.99	60.85	57.15
STD DEV =	0.01	0.02	0.01	0.02	0.02	3.35	2.83	2.15	2.77	4.43
Cpu	6.42	6.00	5.07	3.19	6.04	4.72	5.63	7.28	5.92	3.98
Cpl	2.99	2.60	4.09	3.56	2.30					
Cpk	2.99	2.60	4.09	3.19	2.30	4.72	5.63	7.28	5.92	3.98
DATA	-	-	-	-	-	-	-	-	-	-
1	0.917	0.938	0.994	1.014	0.897	63.717	61.568	62.116	56.708	59.033
2	0.903	0.915	0.942	1.004	0.883	63.594	62.122	60.931	62.891	58.726
3	0.91	0.932	0.977	0.992	0.906	62.797	68.087	61.211	58.879	58.048
4	0.928	0.908	0.969	1.007	0.937	65.616	61.837	62.22	61.496	56.867
5	0.916	0.933	0.981	0.997	0.905	66.509	61.107	63.09	60.231	61.745
6	0.917	0.938	1.018	1.019	0.885	65.622	62.601	62.579	58.666	54.589
7	0.907	0.923	0.94	1.047	0.895	62.284	58.907	65.026	62.387	62.141
8	0.927	0.937	0.971	1.034	0.903	65.885	63.897	65.879	60.1	58.656
9	0.932	0.914	0.964	1.014	0.916	62.114	60.421	65.274	60.462	57.591
10	0.92	0.934	0.983	1.017	0.931	59.257	64.228	61.826	58.79	53.689
11	0.925	0.921	0.977	1.019	0.901	60.253	58.821	60.908	58.542	56.315
12	0.925	0.896	0.963	1.004	0.941	63.675	57.587	62.585	58.427	53.702
13	0.929	0.928	0.979	1.011	0.897	61.428	59.118	62.136	61.965	50.928
14	0.92	0.926	0.976	0.994	0.893	62.667	62.466	63.006	59.308	51.97
15	0.937	0.897	0.973	0.999	0.945	62.692	60.085	61.228	59.239	51.723
16	0.943	0.891	0.983	1.006	0.919	65.061	59.168	60.901	60.972	53.22
17	0.931	0.909	0.981	1.015	0.919	60.272	59.225	60.677	62.738	53.026
18	0.923	0.909	0.975	1	0.908	58.146	60.066	58.708	60.822	50.712
19	0.929	0.92	0.969	0.984	0.887	62.475	59.421	62.384	62.569	47.323
20	0.9	0.903	0.985	1.015	0.901	59.153	61.481	62.366	63.829	51.874
21	0.936	0.894	0.981	1.067	0.912	61.309	62.525	63.665	60.493	52.467
22	0.921	0.911	0.98	1.01	0.91	63.427	58.654	64.713	60.182	51.492
23	0.932	0.896	0.982	1.025	0.899	62.426	63.137	63.161	60.997	55.285
24	0.899	0.954	0.985	1.03	0.91	61.376	61.716	61.165	63.887	63.146
25	0.927	0.924	0.995	1.023	0.897	62.993	62.009	64.308	58.633	59.166
26	0.931	0.938	0.987	1.037	0.911	64.212	65.051	59.427	70.345	56.158
27	0.939	0.924	0.975	1.011	0.892	63.69	69.03	64.071	69.488	57.027
28	0.941	0.926	0.988	0.997	0.924	66.484	61.15	63.925	59.255	62.712
29	0.934	0.916	0.977	0.964	0.921	63.174	62.063	61.673	61.187	62.714
30	0.919	0.916	0.994	1.006	0.934	64.954	60.164	62.228	58.296	58.535
31	0.953	0.914	0.973	1.037	0.926	65.219	62.999	66.247	59.707	61.383
32	0.947	0.933	0.953	0.993	0.899	62.417	65.429	63.853	59.685	64.578
33	0.93	0.915	0.986	1.034	0.898	66.02	65.401	63.345	59.053	63.732
34	0.918	0.923	0.99	0.97	0.92	65.645	68.698	63.824	60.455	59.497
35	0.927	0.944	0.972	1.01	0.9	68.175	64.411	64.887	57.726	65.047
36	0.973	0.913	1.001	1.003	0.907	50.49	62.519	70.903	63.903	58.029
37	0.927	0.948	0.998	0.989	0.926	55.888	65.659	65.383	58.42	57.546
38	0.937	0.939	0.971	1.022	0.936	56.533	58.277	61.94	61.736	61.324

Parameter	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17,18	19-20,21	22-23,24	2-3	5-6	8-9	11-12	14-15	17-18	20-21
Unit	nH	nH	nH	nH	nH	nH	nH	nH	nH	nH
HighLimit	110	110	110	500	500	500	500	500	500	500
LowLimit										
Average =	43.56	45.68	77.30	164.88	139.14	192.65	201.82	184.28	134.88	174.88
STD DEV =	2.72	5.48	2.79	5.74	5.77	4.17	5.19	8.80	7.40	8.45
Cpu	8.15	3.92	3.90	19.46	20.86	24.58	19.16	11.96	16.44	12.82
Cpl										
Cpk	8.15	3.92	3.90	19.46	20.86	24.58	19.16	11.96	16.44	12.82
DATA	-	-	-	-	-	-	-	-	-	-
1	43.593	47.016	74.429	164.102	138.092	185.752	195.442	183.765	149.532	185.403
2	46.438	49.017	74.257	163.015	142.023	197.977	203.3	181.036	129.557	177.519
3	45.18	48.34	74.621	165.049	148.735	190.979	210.282	172.79	135.078	174.616
4	44.642	51.326	74.909	167.18	135.249	193.955	202.143	183.411	135.209	181.74
5	47.887	52.883	81.524	161.885	140.458	188.46	200.861	178.87	135.513	181.043
6	44.088	49.858	71.897	167.854	150.363	198.841	196.817	174.387	133.927	180.436
7	49.935	41.83	73.972	166.911	146.58	198.392	201.877	182.686	139.697	177.753
8	45.412	46.364	73.833	165.884	142.284	190.157	201.465	186.859	135.982	173.081
9	46.529	42.398	79.292	169.354	138.737	198.351	210.571	180.521	137.643	172.7
10	43.182	46.229	76.507	164.948	140.446	189.876	198.363	187.594	136.033	165.659
11	45.584	48.463	78.749	168.76	146.434	190.225	200.477	189.765	131.031	174.914
12	41.354	45.963	77.616	173.631	139.399	191.744	205.286	194.593	136.964	172.214
13	41.326	49.473	80.404	162.628	140.143	199.427	193.1	189.748	126.328	174.565
14	37.969	48.171	80.722	161.439	137.969	196.985	194.974	190.418	126.351	174.629
15	40.585	44.317	77.037	168.211	138.125	191.652	202.719	189.698	137.527	173.091
16	44.579	42.946	77.616	156.28	136.735	196.902	205.988	190.17	139.396	179.549
17	47.73	45.903	78.083	166.851	149.632	191.044	203.607	186.832	137.094	175.503
18	44.074	44.715	79.339	162.474	136.308	189.266	195.413	185.489	134.238	181.815
19	38.405	49.542	82.552	164.669	136.796	198.792	196.667	191.493	124.883	178.364
20	44.317	47.869	77.751	177.292	143.648	195.106	205.849	194.21	137.55	173.336
21	40.734	50.631	78.772	172	138.185	194.763	201.081	184.471	136.224	174.683
22	46.126	47.519	78.33	170.56	131.699	193.615	200.557	187.898	138.368	170.568
23	42.359	50.586	76.345	170.648	143.192	194.466	199.946	192.537	134.803	183.043
24	40.999	45.586	80.161	168.951	137.988	189.315	204.831	185.669	134.418	170.029
25	42.352	48.661	78.173	169.082	136.511	192.206	200.055	176.454	136.703	194.65
26	44.231	47.7	78.046	168.984	143.91	193.307	212.008	166.92	133.055	171.139
27	40.847	56.534	77.675	169.189	147.614	193.323	197.281	176.08	134.313	176.308
28	43.904	55.14	82.981	173.13	140.225	199	197.496	167.753	135.011	185.694
29	43.679	51.933	79.702	163.885	136.622	196.961	201.738	167.405	141.957	199.541
30	46.326	39.959	76.719	164.29	130.1	188.621	194.125	204.384	139.287	166.659
31	42.141	41.969	73.606	159.251	136.333	190.83	204.819	193.678	145.295	176.316
32	46.222	37.695	73.801	158.277	140.034	186.448	201.493	190.776	157.671	170.539
33	44.956	38.015	72.07	156.216	134.911	196.255	195.102	189.589	141.482	170.114
34	45.765	37.53	74.737	155.147	143.902	188.886	207.978	187.377	124.985	159.161
35	41.868	35.342	78.699	163.889	135.447	186.332	197.457	193.568	122.701	157.743
36	39.381	37.652	73.854	157.444	125.037	185.391	206.349	182.111	118.285	167.782
37	40.258	34.556	79.317	151.567	128.36	187.074	206.291	163.241	130.334	160.806
38	40.374	36.109	79.476	154.462	128.976	189.881	215.231	178.376	120.862	162.837

Parameter	LL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-24	2-3	5-6	8-9	11-12	14-15	17-18	20-21	23-24	47-46
Unit	nH	uH	uH	uH	uH	uH	uH	uH	uH	*1
HighLimit	500									1.02
LowLimit		120	120	120	120	120	120	120	120	0.98
Average =	197.81	359.99	288.72	276.44	290.40	295.54	305.77	299.45	295.94	1.00
STD DEV =	8.81	17.30	16.57	16.63	16.05	19.51	12.13	15.76	15.58	0.00
Cpu	11.43									41.59
Cpl		4.63	3.39	3.14	3.54	3.00	5.10	3.80	3.77	41.70
Cpk	11.43	4.63	3.39	3.14	3.54	3.00	5.10	3.80	3.77	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	197.025	363.363	299	236.3	281.517	311.48	314.417	328.156	298.752	1
2	198.65	373.218	290.565	276.224	305.751	300.825	304.779	263.562	258.051	1
3	192.978	387.178	309.023	298.805	287.136	295.703	303.058	311.409	278.46	1
4	197.182	368.321	287.268	290.66	312.766	282.037	323.376	315.256	314.429	1
5	202.592	363.165	280.038	277.948	262.932	294.198	296.017	305.144	275.107	1
6	197.196	380.743	314.755	284.092	313.834	247.995	317.206	309.745	309.093	1.001
7	199.003	382.575	269.417	274.872	302.888	319.345	321.026	296.474	277.152	1
8	197.576	384.171	308.505	293.443	267.827	285.486	303.742	283.645	311.062	1
9	206.644	360.842	264.549	231.045	274.308	273.645	306.726	308.581	293.411	1
10	202.467	377.746	305.011	276.91	301.238	316.208	327.008	293.218	323.876	1
11	190.513	371.346	278.935	276.883	314.249	284.214	318.803	291.561	295.12	1
12	195.52	371.011	289.223	288.444	312.985	283.266	322.454	305.673	312.092	1
13	209.234	347.565	288.005	281.872	282.338	322.269	296.987	289.198	317.229	1
14	209.077	357.926	285.699	280.837	281.533	327.802	295.152	289.756	316.658	1
15	194.926	363.453	289.216	291.519	312.28	289.372	322.724	305.343	313.082	1
16	195.274	376.173	311.251	262.242	291.705	315.878	314.652	293.667	287.7	1
17	200.145	364.109	312.455	282.574	300.293	303.034	297.419	289.93	293.29	1
18	202.695	336.727	269.98	279.201	299.126	298.266	299.471	317.99	291.428	1
19	212.758	346.575	286.859	279.272	281.198	332.828	292.273	291.69	316.267	1
20	199.32	344.156	283.861	290.28	293.239	298.203	300.487	312.771	292.285	1
21	199.224	343.852	296.175	261.303	271.214	252.811	295.859	284.517	278.45	1
22	198.859	340.274	270.104	271.979	283.667	311.341	296.991	303.348	267.734	1
23	209.84	379.036	318.586	280.256	271.683	314.054	325.079	299.614	309.856	1
24	203.724	374.909	281.262	296.552	306.417	311.991	309.866	297.611	308.541	1
25	204.43	365.358	281.519	272.639	274.829	300.636	300.339	314.25	306.598	1
26	202.157	373.823	307.197	290.547	310.302	280.833	297.571	318.1	285.951	1
27	201.161	365.719	300.275	279.165	281.374	300.025	298.96	282.336	291.128	1
28	212.792	358.831	311.868	294.438	301.414	273.37	309.626	316.627	296.613	1
29	205.482	339.702	281.317	277.596	285.803	307.859	320.922	336.435	309.328	1
30	193.359	355.654	272.605	265.003	276.2	281.897	285.23	291.409	284.864	1
31	186.682	372.586	275.87	284.579	305.797	297.099	301.852	300.34	284.758	1
32	176.306	351.385	252.539	273.146	302.961	297.309	303.337	319.507	298.618	1
33	173.317	347.989	249.101	246.851	292.567	305.061	276.273	298.597	288.732	1
34	189.421	360.073	285.905	298.92	290.414	296.279	304.566	280.705	313.282	1
35	186.996	363.894	301.861	271.051	262.349	302.843	318.878	278.545	280.077	1
36	182.346	310.949	283.277	274.525	254.841	273.976	290.193	263.139	280.048	1
37	191.187	323.234	291.566	231.146	299.298	287.161	314.554	296.568	303.127	1
38	198.871	332.04	286.755	281.548	284.857	253.759	291.534	294.556	283.308	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	2-3	44-43	5-6	41-40	8-9	38-37	11-12	35-34	14-15	32-31
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	13.38	41.59	14.49	41.59	41.59	41.59	17.51	41.59	39.62	41.59
Cpl	14.26	41.70	14.91	41.70	41.70	41.70	19.05	41.70	43.68	41.70
Cpk	13.38	41.59	14.49	41.59	41.59	41.59	17.51	41.59	39.62	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1	1	1.001	1	1.001	1	1.001	1
2	1.001	1	1.001	1	1	1	1	1	1.001	1
3	1.001	1	1	1	1	1	1.001	1	1.001	1
4	1.001	1	1.001	1	1	1	1.001	1	1.001	1
5	1.001	1	1	1	1	1	1.001	1	1.001	1
6	1	1	1	1	1	1	1.001	1	1.001	1
7	1	1	1.001	1	1	1	1.001	1	1.001	1
8	1.001	1	1.001	1.001	1	1	1.001	1.001	1	1
9	1	1	1.001	1	1	1	1.001	1	1.001	1
10	1	1	1.001	1	1	1	1.001	1	1.001	1
11	1.001	1	1.001	1	1	1	1	1	1.001	1
12	1.001	1	1.001	1	1	1.001	1.001	1	1.001	1
13	1.001	1.001	1	1	1	1	1.001	1	1.001	1.001
14	1.001	1	1	1	1	1	1.001	1	1.001	1
15	1.001	1	1	1	1	1	1.001	1	1.001	1
16	1	1	1	1	1	1	1	1	1.001	1
17	1.001	1	1	1	1	1	1.001	1	1.001	1
18	1.001	1	1	1	1	1	1.001	1	1.001	1
19	1	1	1	1	1	1	1.001	1	1.001	1
20	1.001	1	1	1	1	1	1.001	1	1.001	1
21	1.001	1	1.001	1	1	1	1.001	1	1.001	1
22	1	1	1	1	1	1	1.001	1	1.001	1
23	1	1	1	1	1	1	1.001	1	1.001	1
24	1	1	1	1	1	1	1	1	1.001	1
25	1.001	1	1	1	1	1	1.001	1	1.001	1
26	1	1	1	1	1	1	1	1	1.001	1
27	1.001	1	1	1	1	1	1.001	1	1.001	1
28	1.001	1	1	1	1	1	1.001	1	1.001	1
29	1.001	1	1.001	1	1	1	1.001	1	1.001	1
30	1.001	1	1	1	1	1	1.001	1	1.001	1
31	1	1	1	1	1	1	1.001	1	1.001	1
32	1	1	1	1	1	1	1.001	1	1.001	1
33	1.001	1	1.001	1	1	1	1	1	1.001	1
34	1.001	1	1	1	1	1	1.001	1	1.001	1
35	1.001	1	1	1	1	1	1.001	1	1.001	1
36	1	1	1	1	1	1	1.001	1	1.001	1
37	1.001	1	1	1	1	1	1.001	1	1.001	1
38	1	1	1	1	1	1	1.001	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	29-28	20-21	26-25	23-24	2-1	1-3	5-4	4-6	8-7
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	39.62	41.59	39.62	41.59	15.50	41.59	43.68	41.59	31.43	41.59
Cpl	43.68	41.70	43.68	41.70	15.87	41.70	39.62	41.70	28.28	41.70
Cpk	39.62	41.59	39.62	41.59	15.50	41.59	39.62	41.59	28.28	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
2	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
3	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
4	1.001	1	1.001	1	1	1	0.999	1	0.999	1
5	1.001	1	1.001	1	1	1	0.999	1	0.999	1
6	1.001	1	1.001	1	1	1	0.999	1	0.999	1
7	1	1	1.001	1	1.001	1	0.999	1	0.998	1
8	1.001	1.001	1.001	1	1	1	0.999	1	0.999	1.001
9	1.001	1	1.001	1	1	1	0.999	1	0.998	1
10	1.001	1	1.001	1	1	1.001	0.999	1	0.999	1
11	1.001	1	1.001	1.001	1	1	0.999	1.001	0.999	1
12	1.001	1	1.001	1	1	1	0.999	1	0.999	1
13	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
14	1.001	1	1	1	1	1	1	1	0.999	1
15	1.001	1	1.001	1	1	1	0.999	1	0.999	1
16	1.001	1	1.001	1	1	1	0.999	1	0.999	1
17	1.001	1	1.001	1	1	1	0.999	1	0.999	1
18	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
19	1.001	1	1.001	1	1	1	0.999	1	0.999	1
20	1.001	1	1.001	1	1	1	0.999	1	0.999	1
21	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
22	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
23	1.001	1	1.001	1	1	1	0.999	1	0.999	1
24	1.001	1	1.001	1	1	1	0.999	1	0.999	1
25	1.001	1	1.001	1	1	1	0.999	1	0.999	1
26	1.001	1	1.001	1	1	1	0.999	1	0.999	1
27	1.001	1	1.001	1	1.001	1	0.999	1	0.999	1
28	1.001	1	1.001	1	1	1	0.999	1	0.999	1
29	1.001	1	1.001	1	1	1	0.999	1	0.999	1
30	1.001	1	1.001	1	1	1	0.999	1	0.999	1
31	1.001	1	1.001	1	1	1	0.999	1	0.999	1
32	1.001	1	1.001	1	1	1	0.999	1	0.999	1
33	1.001	1	1.001	1	1	1	0.999	1	0.999	1
34	1.001	1	1.001	1	1	1	0.999	1	0.999	1
35	1.001	1	1.001	1	1	1	0.999	1	0.999	1
36	1.001	1	1.001	1	1	1	0.999	1	0.999	1
37	1.001	1	1.001	1	1	1	0.999	1	0.999	1
38	1.001	1	1.001	1	1	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	7-9	11-10	10-12	14-13	13-15	17-16	16-18	20-19	19-21	23-22
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	43.68	41.59	43.68	41.59	43.68	41.70	43.68	41.70	31.43	41.70
Cpl	39.62	41.70	39.62	41.70	39.62	41.59	39.62	41.59	28.28	41.59
Cpk	39.62	41.59	39.62	41.59	39.62	41.59	39.62	41.59	28.28	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
2	0.999	1	0.999	1	0.999	1	0.999	1	0.998	1
3	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
4	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
5	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
6	0.999	1	0.999	1	0.999	0.999	0.999	1	0.999	0.999
7	1	1	0.999	1	0.999	1	0.999	1	0.999	1
8	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
9	0.999	1	0.999	1	1	1	0.999	1	0.999	1
10	0.999	1	0.999	1	0.999	1	1	1	0.999	1
11	0.999	1	0.999	1.001	0.999	1	0.999	1	0.999	1
12	0.999	1	1	1	0.999	1	0.999	1	0.999	1
13	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
14	0.999	1.001	0.999	1	0.999	1	0.999	0.999	0.999	1
15	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
16	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
17	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
18	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
19	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
20	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
21	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
22	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
23	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
24	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
25	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
26	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
27	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
28	0.999	1	0.999	1	0.999	1	0.999	1	0.998	1
29	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
30	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
31	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
32	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
33	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
34	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
35	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
36	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
37	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
38	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	22-24	26-27	27-25	29-30	30-28	32-33	33-31	35-36	36-34	38-39
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	15.34	41.70	41.70	41.70	43.68	41.70	43.68	41.70	14.08	41.70
Cpl	14.94	41.59	41.59	41.59	39.62	41.59	39.62	41.59	13.57	41.59
Cpk	14.94	41.59	41.59	41.59	39.62	41.59	39.62	41.59	13.57	41.59
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	1	1	0.999	1	0.999	1	1	1
2	1	1	1	1	0.999	1	0.999	1	1	1
3	1	1	1	1	0.999	1	0.999	1	1	1
4	1	1	1	1	0.999	1	0.999	1	1	1
5	1	1	0.999	1	0.999	1	0.999	1	0.999	1
6	1	1	1	1	0.999	1	0.999	1	1	1
7	0.999	1	1	1	0.999	1	0.999	1	1	1
8	1	1	1	1	0.999	1	0.999	0.999	1	1
9	1	1	1	1	0.999	0.999	1	1	0.999	1
10	1	1	1	0.999	0.999	1	0.999	1	1	1
11	1	0.999	1	1	0.999	1	0.999	1	0.999	0.999
12	1	1	1	1	0.999	1	0.999	1	1	1
13	1	1	1	1	0.999	1	0.999	1	1	1
14	1	1	1	1	0.999	1	0.999	1	1	1
15	1	1	1	1	0.999	1	0.999	1	1	1
16	1	1	1	1	0.999	1	0.999	1	1	1
17	1	1	1	1	0.999	1	0.999	1	1	1
18	1	1	1	1	0.999	1	0.999	1	1	1
19	1	1	1	1	0.999	1	0.999	1	1	1
20	0.999	1	1	1	0.999	1	0.999	1	1	1
21	0.999	1	1	1	0.999	1	0.999	1	0.999	1
22	1	1	1	1	0.999	1	0.999	1	1	1
23	1	1	1	1	0.999	1	0.999	1	0.999	1
24	0.999	1	1	1	0.999	1	0.999	1	1	1
25	1	1	1	1	1	1	0.999	1	0.999	1
26	1	1	1	1	0.999	1	0.999	1	0.999	1
27	1	1	1	1	0.999	1	0.999	1	0.999	1
28	1	1	1	1	0.999	1	0.999	1	0.999	1
29	1	1	1	1	0.999	1	0.999	1	1	1
30	0.999	1	1	1	0.999	1	0.999	1	0.999	1
31	0.999	1	1	1	0.999	1	0.999	1	0.999	1
32	1	1	1	1	0.999	1	0.999	1	0.999	1
33	0.999	1	1	1	0.999	1	0.999	1	0.999	1
34	0.999	1	1	1	0.999	1	0.999	1	1	1
35	0.999	1	1	1	0.999	1	0.999	1	1	1
36	1	1	1	1	0.999	1	0.999	1	0.999	1
37	0.999	1	1	1	0.999	1	0.999	1	1	1
38	1	1	1	1	0.999	1	0.999	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1
Condition:	normal	normal	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ
Pins	39-37	41-42	42-40	44-45	45-43	47-48	48-46			
Unit	*1	*1	*1	*1	*1	*1	*1	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02			
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	-1.1	-0.5	-0.8
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-0.10	-0.17	-0.20
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.07
Cpu	13.67	41.70	43.68	41.70	43.68	41.70	43.68			
Cpl	13.00	41.59	39.62	41.59	39.62	41.59	39.62	7.39	2.22	3.01
Cpk	13.00	41.59	39.62	41.59	39.62	41.59	39.62	7.39	2.22	3.01
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	0.999	1	0.999	1	0.999	-0.239	-0.324	-0.415
2	1	1	0.999	1	0.999	1	0.999	-0.097	-0.159	-0.171
3	0.999	1	0.999	1	0.999	1	0.999	-0.118	-0.206	-0.234
4	1	1	0.999	1	0.999	1	0.999	-0.251	-0.324	-0.398
5	0.999	1	0.999	1	0.999	1	0.999	-0.086	-0.157	-0.157
6	1	1	0.999	1	0.999	1	1	-0.086	-0.164	-0.181
7	1	0.999	0.999	1	0.999	1	0.999	-0.081	-0.144	-0.161
8	0.999	1	0.999	1	0.999	1	0.999	-0.1	-0.179	-0.206
9	0.999	1	0.999	0.999	0.999	1	0.999	-0.094	-0.156	-0.175
10	0.999	1	0.999	1	0.999	0.999	0.999	-0.086	-0.144	-0.151
11	1	1	0.999	1	0.999	1	0.999	-0.103	-0.176	-0.184
12	1	1	0.999	1	0.999	1	0.999	-0.107	-0.183	-0.21
13	0.999	1	1	1	1	1	0.999	-0.08	-0.157	-0.168
14	1	1	0.999	1	0.999	1	0.999	-0.076	-0.14	-0.152
15	1	1	0.999	1	0.999	1	0.999	-0.077	-0.14	-0.166
16	1	1	0.999	1	0.999	1	0.999	-0.084	-0.154	-0.174
17	1	1	0.999	1	0.999	1	0.999	-0.13	-0.192	-0.218
18	1	1	0.999	1	0.999	1	0.999	-0.111	-0.182	-0.208
19	0.999	1	0.999	1	0.999	1	0.999	-0.106	-0.174	-0.19
20	0.999	1	0.999	1	0.999	1	0.999	-0.237	-0.314	-0.397
21	0.999	1	0.999	1	0.999	1	0.999	-0.067	-0.134	-0.157
22	0.999	1	0.999	1	0.999	1	0.999	-0.062	-0.115	-0.127
23	0.999	1	0.999	1	0.999	1	0.999	-0.071	-0.135	-0.173
24	1	1	0.999	1	0.999	1	0.999	-0.063	-0.114	-0.124
25	0.999	1	0.999	1	0.999	1	0.999	-0.076	-0.131	-0.151
26	1	1	0.999	1	0.999	1	0.999	-0.092	-0.172	-0.191
27	0.999	1	0.999	1	0.999	1	0.999	-0.105	-0.175	-0.212
28	1	1	0.999	1	0.999	1	0.999	-0.094	-0.162	-0.179
29	0.999	1	0.999	1	0.999	1	0.999	-0.089	-0.149	-0.187
30	1	1	0.999	1	0.999	1	0.999	-0.117	-0.189	-0.225
31	1	1	0.999	1	0.999	1	0.999	-0.072	-0.148	-0.172
32	1	1	0.999	1	0.999	1	0.999	-0.093	-0.157	-0.186
33	1	1	0.999	1	0.999	1	0.999	-0.077	-0.159	-0.176
34	0.999	1	0.999	1	0.999	1	0.999	-0.091	-0.164	-0.187
35	0.999	1	0.999	1	0.999	1	0.999	-0.076	-0.145	-0.158
36	0.999	1	0.999	1	0.999	1	0.999	-0.152	-0.228	-0.27
37	1	1	0.999	1	0.999	1	0.999	-0.089	-0.149	-0.17
38	0.999	1	0.999	1	0.999	1	0.999	-0.063	-0.13	-0.139

Parameter	CH1 IL-1	CH1 IL-1	CH1 IL-1 Phase	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2 Phase	CH1 IL-3
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.34	-0.61	-22.09	-0.14	-0.22	-0.26	-0.41	-0.66	-23.39	-0.08
STD DEV =	0.08	0.08	0.46	0.05	0.05	0.07	0.09	0.10	0.68	0.02
Cpu										
Cpl	2.87	5.74	27.66	6.61	1.76	2.62	2.28	4.38	17.97	19.84
Cpk	2.87	5.74	27.66	6.61	1.76	2.62	2.28	4.38	17.97	19.84
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.59	-0.852	-22.227	-0.103	-0.188	-0.228	-0.365	-0.598	-22.881	-0.083
2	-0.325	-0.613	-21.943	-0.122	-0.186	-0.211	-0.358	-0.601	-23.336	-0.071
3	-0.361	-0.59	-21.591	-0.14	-0.224	-0.245	-0.39	-0.638	-22.508	-0.116
4	-0.57	-0.848	-22.523	-0.113	-0.193	-0.233	-0.374	-0.629	-22.792	-0.082
5	-0.311	-0.584	-22.971	-0.106	-0.181	-0.202	-0.346	-0.586	-23.471	-0.092
6	-0.305	-0.548	-22.171	-0.151	-0.226	-0.26	-0.407	-0.654	-22.948	-0.079
7	-0.326	-0.625	-22.728	-0.116	-0.193	-0.214	-0.33	-0.541	-22.738	-0.081
8	-0.345	-0.608	-21.676	-0.228	-0.32	-0.386	-0.572	-0.853	-23.514	-0.081
9	-0.31	-0.586	-21.594	-0.135	-0.222	-0.276	-0.408	-0.638	-22.746	-0.09
10	-0.29	-0.57	-22.338	-0.125	-0.196	-0.235	-0.371	-0.612	-22.695	-0.076
11	-0.329	-0.599	-22.217	-0.185	-0.272	-0.327	-0.486	-0.742	-23.507	-0.127
12	-0.338	-0.587	-22.337	-0.219	-0.303	-0.357	-0.537	-0.822	-23.896	-0.074
13	-0.306	-0.56	-21.768	-0.134	-0.208	-0.235	-0.41	-0.679	-24.653	-0.085
14	-0.294	-0.535	-21.657	-0.069	-0.132	-0.151	-0.266	-0.488	-23.143	-0.074
15	-0.283	-0.509	-21.759	-0.1	-0.176	-0.199	-0.307	-0.527	-22.961	-0.071
16	-0.323	-0.607	-22.394	-0.144	-0.228	-0.272	-0.423	-0.647	-23.252	-0.108
17	-0.385	-0.672	-22.863	-0.222	-0.297	-0.356	-0.524	-0.798	-24.501	-0.084
18	-0.355	-0.608	-21.628	-0.129	-0.207	-0.254	-0.411	-0.685	-25.258	-0.066
19	-0.328	-0.56	-21.681	-0.197	-0.265	-0.32	-0.501	-0.788	-24.017	-0.08
20	-0.566	-0.814	-21.678	-0.151	-0.234	-0.303	-0.447	-0.65	-23.177	-0.088
21	-0.305	-0.564	-21.416	-0.077	-0.142	-0.162	-0.285	-0.508	-21.909	-0.07
22	-0.287	-0.591	-22.23	-0.091	-0.161	-0.191	-0.317	-0.562	-23.265	-0.06
23	-0.312	-0.584	-21.996	-0.147	-0.211	-0.269	-0.434	-0.66	-23.109	-0.078
24	-0.259	-0.524	-22.272	-0.083	-0.157	-0.18	-0.326	-0.588	-24.104	-0.051
25	-0.282	-0.535	-22.395	-0.14	-0.206	-0.258	-0.414	-0.642	-23.01	-0.066
26	-0.338	-0.57	-21.841	-0.118	-0.187	-0.235	-0.377	-0.62	-23.006	-0.13
27	-0.353	-0.605	-21.523	-0.116	-0.181	-0.222	-0.357	-0.588	-22.907	-0.072
28	-0.332	-0.615	-22.485	-0.146	-0.223	-0.279	-0.418	-0.628	-22.723	-0.075
29	-0.32	-0.573	-21.501	-0.187	-0.258	-0.318	-0.517	-0.857	-24.73	-0.073
30	-0.399	-0.691	-22.686	-0.255	-0.352	-0.435	-0.606	-0.844	-23.569	-0.071
31	-0.305	-0.579	-21.512	-0.071	-0.14	-0.161	-0.299	-0.557	-22.991	-0.066
32	-0.333	-0.583	-22.489	-0.171	-0.252	-0.298	-0.439	-0.692	-23.627	-0.075
33	-0.297	-0.541	-21.726	-0.135	-0.219	-0.27	-0.406	-0.633	-23.144	-0.086
34	-0.33	-0.593	-22.213	-0.227	-0.319	-0.395	-0.603	-0.899	-23.993	-0.06
35	-0.325	-0.637	-21.84	-0.066	-0.141	-0.172	-0.334	-0.647	-24.204	-0.095
36	-0.46	-0.758	-23.085	-0.185	-0.268	-0.316	-0.491	-0.755	-23.823	-0.062
37	-0.296	-0.555	-21.729	-0.102	-0.18	-0.217	-0.393	-0.676	-23.661	-0.058
38	-0.31	-0.605	-22.719	-0.081	-0.156	-0.163	-0.292	-0.546	-23.015	-0.069

Parameter	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3 Phase	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2
Average =	-0.13	-0.13	-0.22	-0.42	-19.25	-0.11	-0.17	-0.20	-0.33	-0.55
STD DEV =	0.02	0.03	0.03	0.04	0.46	0.05	0.05	0.07	0.08	0.08
Cpu										
Cpl	5.50	8.22	8.60	13.05	29.50	7.05	2.11	3.07	2.96	6.05
Cpk	5.50	8.22	8.60	13.05	29.50	7.05	2.11	3.07	2.96	6.05
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.118	-0.123	-0.188	-0.362	-18.789	-0.095	-0.167	-0.181	-0.312	-0.533
2	-0.131	-0.143	-0.24	-0.447	-19.197	-0.103	-0.177	-0.188	-0.316	-0.536
3	-0.175	-0.188	-0.281	-0.49	-19.486	-0.111	-0.17	-0.19	-0.313	-0.521
4	-0.13	-0.153	-0.226	-0.396	-18.882	-0.093	-0.153	-0.168	-0.298	-0.524
5	-0.141	-0.144	-0.235	-0.414	-19.102	-0.309	-0.401	-0.485	-0.65	-0.871
6	-0.127	-0.138	-0.263	-0.495	-20.628	-0.1	-0.155	-0.165	-0.278	-0.487
7	-0.119	-0.099	-0.209	-0.447	-19.448	-0.095	-0.176	-0.189	-0.3	-0.492
8	-0.129	-0.121	-0.234	-0.461	-19.848	-0.138	-0.21	-0.224	-0.361	-0.591
9	-0.136	-0.13	-0.222	-0.446	-19.545	-0.115	-0.178	-0.19	-0.328	-0.546
10	-0.126	-0.13	-0.197	-0.36	-18.295	-0.089	-0.166	-0.186	-0.302	-0.494
11	-0.187	-0.189	-0.282	-0.468	-19.267	-0.182	-0.24	-0.289	-0.43	-0.623
12	-0.136	-0.13	-0.217	-0.395	-18.987	-0.11	-0.177	-0.2	-0.313	-0.519
13	-0.127	-0.133	-0.209	-0.387	-19.312	-0.15	-0.227	-0.241	-0.382	-0.62
14	-0.114	-0.124	-0.236	-0.441	-19.481	-0.082	-0.138	-0.138	-0.271	-0.508
15	-0.134	-0.137	-0.231	-0.418	-19.386	-0.126	-0.196	-0.224	-0.347	-0.547
16	-0.153	-0.158	-0.254	-0.457	-19.429	-0.079	-0.143	-0.161	-0.289	-0.52
17	-0.138	-0.141	-0.227	-0.391	-18.394	-0.139	-0.201	-0.225	-0.347	-0.541
18	-0.128	-0.12	-0.214	-0.41	-19.506	-0.078	-0.144	-0.14	-0.28	-0.506
19	-0.114	-0.107	-0.216	-0.435	-19.838	-0.194	-0.254	-0.312	-0.477	-0.7
20	-0.124	-0.126	-0.23	-0.414	-18.894	-0.09	-0.133	-0.161	-0.296	-0.519
21	-0.111	-0.109	-0.193	-0.383	-19.017	-0.163	-0.221	-0.249	-0.401	-0.636
22	-0.1	-0.094	-0.195	-0.408	-19.397	-0.111	-0.163	-0.204	-0.391	-0.672
23	-0.112	-0.131	-0.234	-0.429	-19.128	-0.138	-0.187	-0.229	-0.38	-0.591
24	-0.1	-0.097	-0.181	-0.351	-18.605	-0.081	-0.115	-0.133	-0.261	-0.495
25	-0.094	-0.083	-0.168	-0.35	-18.637	-0.166	-0.212	-0.242	-0.345	-0.524
26	-0.186	-0.198	-0.294	-0.487	-19.437	-0.061	-0.11	-0.128	-0.258	-0.479
27	-0.104	-0.1	-0.215	-0.445	-19.538	-0.084	-0.117	-0.121	-0.254	-0.496
28	-0.108	-0.111	-0.215	-0.425	-19.102	-0.077	-0.134	-0.149	-0.304	-0.538
29	-0.108	-0.094	-0.195	-0.403	-19.511	-0.072	-0.138	-0.154	-0.271	-0.494
30	-0.134	-0.131	-0.225	-0.426	-19.696	-0.116	-0.185	-0.219	-0.369	-0.603
31	-0.125	-0.132	-0.221	-0.419	-18.696	-0.091	-0.157	-0.17	-0.291	-0.508
32	-0.125	-0.118	-0.22	-0.409	-18.949	-0.064	-0.124	-0.146	-0.291	-0.522
33	-0.153	-0.171	-0.254	-0.421	-18.789	-0.083	-0.147	-0.17	-0.279	-0.464
34	-0.109	-0.128	-0.231	-0.456	-19.611	-0.077	-0.148	-0.161	-0.288	-0.516
35	-0.172	-0.177	-0.296	-0.523	-20.022	-0.143	-0.209	-0.263	-0.417	-0.656
36	-0.105	-0.102	-0.194	-0.392	-19.441	-0.074	-0.131	-0.146	-0.276	-0.497
37	-0.109	-0.118	-0.192	-0.365	-18.841	-0.065	-0.132	-0.142	-0.239	-0.427
38	-0.12	-0.112	-0.192	-0.4	-19.489	-0.072	-0.135	-0.142	-0.256	-0.476

Parameter	CH1 IL-4 Phase	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5 Phase	CH1 IL-6	CH1 IL-6	CH1 IL-6
Condition:	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8
Average =	-22.73	-0.07	-0.13	-0.13	-0.21	-0.37	-19.63	-0.10	-0.17	-0.20
STD DEV =	0.44	0.01	0.01	0.02	0.02	0.03	0.45	0.05	0.05	0.07
Cpu										
Cpl	28.35	29.85	8.35	10.44	11.85	15.84	29.58	7.04	2.08	2.76
Cpk	28.35	29.85	8.35	10.44	11.85	15.84	29.58	7.04	2.08	2.76
DATA	-	-	-	-	-	-	-	-	-	-
1	-22.127	-0.079	-0.15	-0.178	-0.253	-0.41	-19.547	-0.085	-0.175	-0.191
2	-23.239	-0.082	-0.14	-0.147	-0.213	-0.362	-19.556	-0.08	-0.163	-0.189
3	-22.643	-0.074	-0.134	-0.133	-0.21	-0.386	-20.008	-0.128	-0.205	-0.238
4	-22.884	-0.077	-0.144	-0.153	-0.219	-0.367	-19.288	-0.127	-0.209	-0.251
5	-23.087	-0.079	-0.13	-0.145	-0.217	-0.35	-19.257	-0.088	-0.165	-0.188
6	-22.894	-0.086	-0.128	-0.131	-0.207	-0.373	-19.506	-0.077	-0.153	-0.164
7	-22.663	-0.074	-0.137	-0.139	-0.202	-0.336	-19.089	-0.09	-0.17	-0.181
8	-22.862	-0.082	-0.131	-0.138	-0.193	-0.335	-19.146	-0.077	-0.158	-0.175
9	-22.586	-0.079	-0.14	-0.147	-0.215	-0.37	-19.901	-0.085	-0.161	-0.186
10	-22.202	-0.076	-0.14	-0.153	-0.222	-0.337	-18.726	-0.091	-0.166	-0.192
11	-22.769	-0.075	-0.138	-0.14	-0.205	-0.358	-19.508	-0.096	-0.179	-0.222
12	-21.941	-0.074	-0.13	-0.127	-0.23	-0.434	-20.19	-0.079	-0.156	-0.182
13	-23.358	-0.079	-0.139	-0.141	-0.213	-0.352	-19.335	-0.087	-0.166	-0.197
14	-22.626	-0.063	-0.12	-0.131	-0.205	-0.324	-19.322	-0.075	-0.131	-0.161
15	-22.359	-0.07	-0.123	-0.117	-0.204	-0.383	-19.993	-0.075	-0.138	-0.162
16	-23.379	-0.073	-0.126	-0.152	-0.226	-0.405	-20.275	-0.087	-0.176	-0.206
17	-22.973	-0.065	-0.113	-0.119	-0.185	-0.329	-18.54	-0.089	-0.165	-0.198
18	-22.983	-0.079	-0.133	-0.139	-0.22	-0.37	-19.587	-0.077	-0.152	-0.173
19	-22.621	-0.068	-0.115	-0.125	-0.212	-0.379	-19.805	-0.201	-0.261	-0.321
20	-22.791	-0.07	-0.124	-0.136	-0.195	-0.302	-19.474	-0.104	-0.174	-0.22
21	-22.793	-0.067	-0.113	-0.121	-0.191	-0.36	-19.833	-0.064	-0.136	-0.146
22	-23.911	-0.059	-0.109	-0.12	-0.21	-0.42	-19.886	-0.065	-0.135	-0.166
23	-22.82	-0.057	-0.113	-0.122	-0.206	-0.374	-19.598	-0.079	-0.141	-0.162
24	-22.708	-0.064	-0.107	-0.101	-0.186	-0.351	-19.785	-0.086	-0.149	-0.174
25	-21.771	-0.064	-0.091	-0.092	-0.201	-0.413	-20.147	-0.078	-0.135	-0.169
26	-22.486	-0.111	-0.169	-0.206	-0.299	-0.446	-19.701	-0.077	-0.137	-0.174
27	-22.68	-0.064	-0.109	-0.103	-0.203	-0.378	-19.907	-0.344	-0.451	-0.59
28	-22.932	-0.102	-0.145	-0.17	-0.256	-0.436	-19.822	-0.101	-0.157	-0.184
29	-22.483	-0.07	-0.128	-0.129	-0.2	-0.339	-19.437	-0.108	-0.184	-0.208
30	-23.048	-0.059	-0.108	-0.135	-0.19	-0.319	-18.771	-0.066	-0.15	-0.182
31	-22.339	-0.068	-0.116	-0.121	-0.195	-0.353	-18.903	-0.073	-0.152	-0.172
32	-22.97	-0.065	-0.119	-0.124	-0.188	-0.337	-19.632	-0.071	-0.143	-0.16
33	-22.049	-0.062	-0.118	-0.128	-0.21	-0.397	-20.633	-0.088	-0.162	-0.194
34	-22.391	-0.059	-0.114	-0.126	-0.205	-0.379	-19.626	-0.074	-0.163	-0.191
35	-23.452	-0.061	-0.119	-0.123	-0.221	-0.413	-20.342	-0.136	-0.224	-0.283
36	-23.009	-0.061	-0.118	-0.122	-0.211	-0.366	-20.098	-0.11	-0.174	-0.194
37	-22.105	-0.081	-0.147	-0.165	-0.248	-0.409	-19.655	-0.096	-0.173	-0.196
38	-22.993	-0.055	-0.117	-0.112	-0.184	-0.353	-20.033	-0.074	-0.151	-0.154

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6 Phase	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7 Phase	CH1 IL-8
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.30	-0.50	-23.63	-0.08	-0.14	-0.17	-0.27	-0.48	-20.77	-0.08
STD DEV =	0.08	0.09	0.50	0.02	0.02	0.03	0.03	0.05	0.47	0.02
Cpu										
Cpl	2.82	5.73	24.13	20.15	5.31	7.81	7.77	10.85	27.87	22.48
Cpk	2.82	5.73	24.13	20.15	5.31	7.81	7.77	10.85	27.87	22.48
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.296	-0.482	-23.697	-0.096	-0.152	-0.197	-0.315	-0.55	-20.954	-0.08
2	-0.296	-0.502	-23.94	-0.085	-0.167	-0.182	-0.3	-0.54	-21.829	-0.08
3	-0.325	-0.478	-23.243	-0.156	-0.232	-0.262	-0.38	-0.613	-21.025	-0.092
4	-0.362	-0.557	-23.621	-0.084	-0.158	-0.179	-0.308	-0.524	-21.186	-0.073
5	-0.276	-0.469	-23.887	-0.071	-0.148	-0.174	-0.273	-0.451	-20.341	-0.08
6	-0.245	-0.431	-23.146	-0.075	-0.15	-0.167	-0.256	-0.435	-20.25	-0.075
7	-0.294	-0.498	-23.396	-0.088	-0.155	-0.177	-0.302	-0.533	-20.755	-0.082
8	-0.265	-0.456	-22.763	-0.077	-0.137	-0.175	-0.277	-0.468	-20.077	-0.078
9	-0.288	-0.492	-23.68	-0.089	-0.164	-0.167	-0.273	-0.491	-21.241	-0.082
10	-0.264	-0.42	-22.568	-0.077	-0.129	-0.146	-0.254	-0.456	-20.379	-0.082
11	-0.301	-0.464	-23.015	-0.072	-0.147	-0.182	-0.289	-0.49	-20.734	-0.095
12	-0.292	-0.511	-23.749	-0.082	-0.159	-0.165	-0.265	-0.47	-20.552	-0.074
13	-0.308	-0.501	-23.837	-0.081	-0.145	-0.168	-0.274	-0.471	-20.396	-0.095
14	-0.266	-0.484	-24.046	-0.071	-0.132	-0.155	-0.258	-0.423	-20.512	-0.075
15	-0.269	-0.489	-23.874	-0.068	-0.133	-0.139	-0.257	-0.497	-20.72	-0.074
16	-0.297	-0.457	-23.271	-0.078	-0.125	-0.161	-0.299	-0.529	-21.278	-0.073
17	-0.277	-0.429	-23.232	-0.079	-0.147	-0.188	-0.258	-0.427	-20.015	-0.07
18	-0.277	-0.464	-23.643	-0.079	-0.14	-0.159	-0.268	-0.484	-20.95	-0.067
19	-0.451	-0.669	-24.107	-0.078	-0.13	-0.158	-0.292	-0.518	-20.988	-0.08
20	-0.32	-0.493	-23.626	-0.071	-0.125	-0.154	-0.268	-0.476	-20.784	-0.062
21	-0.24	-0.428	-23.001	-0.064	-0.119	-0.129	-0.232	-0.424	-20.363	-0.074
22	-0.261	-0.466	-23.68	-0.066	-0.118	-0.134	-0.257	-0.518	-21.178	-0.069
23	-0.25	-0.419	-22.856	-0.075	-0.133	-0.148	-0.249	-0.445	-20.737	-0.062
24	-0.282	-0.501	-23.75	-0.058	-0.11	-0.13	-0.23	-0.412	-20.525	-0.066
25	-0.278	-0.479	-23.886	-0.074	-0.129	-0.154	-0.255	-0.427	-20.26	-0.064
26	-0.273	-0.476	-23.788	-0.063	-0.115	-0.144	-0.268	-0.497	-21.337	-0.063
27	-0.74	-0.934	-24.211	-0.076	-0.143	-0.18	-0.274	-0.435	-20.227	-0.076
28	-0.313	-0.531	-24.807	-0.073	-0.142	-0.157	-0.248	-0.422	-20.192	-0.065
29	-0.356	-0.615	-24.952	-0.068	-0.124	-0.14	-0.235	-0.448	-20.674	-0.067
30	-0.278	-0.477	-23.394	-0.073	-0.141	-0.173	-0.272	-0.464	-20.098	-0.072
31	-0.268	-0.462	-23.578	-0.069	-0.135	-0.145	-0.243	-0.448	-20.606	-0.069
32	-0.245	-0.434	-23.386	-0.075	-0.136	-0.169	-0.291	-0.508	-21.299	-0.068
33	-0.29	-0.463	-23.441	-0.065	-0.125	-0.146	-0.247	-0.452	-21.06	-0.062
34	-0.285	-0.455	-23.046	-0.074	-0.158	-0.179	-0.26	-0.445	-20.813	-0.055
35	-0.379	-0.536	-23.456	-0.121	-0.199	-0.248	-0.367	-0.564	-20.475	-0.15
36	-0.3	-0.488	-24.021	-0.07	-0.131	-0.14	-0.284	-0.546	-21.781	-0.07
37	-0.321	-0.551	-24.321	-0.062	-0.135	-0.163	-0.287	-0.505	-20.798	-0.064
38	-0.253	-0.444	-24.067	-0.062	-0.121	-0.139	-0.282	-0.521	-21.734	-0.072

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8 Phase	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-63	-39	-34	-30	-63
LowLimit	-0.5	-0.8	-1	-2	-60					
Average =	-0.18	-0.23	-0.33	-0.55	-23.70	-88.49	-68.45	-62.07	-57.11	-88.82
STD DEV =	0.02	0.02	0.03	0.04	0.49	4.89	5.72	4.96	4.19	5.64
Cpu						1.74	1.72	1.89	2.16	1.52
Cpl	5.75	8.18	8.07	11.17	24.58					
Cpk	5.75	8.18	8.07	11.17	24.58	1.74	1.72	1.89	2.16	1.52
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.191	-0.219	-0.32	-0.565	-23.751	-84.577	-68.386	-61.293	-55.828	-90.105
2	-0.191	-0.241	-0.342	-0.574	-23.606	-97.62	-73.617	-67.469	-62.378	-100.215
3	-0.196	-0.235	-0.361	-0.602	-23.867	-93.174	-62.998	-56.885	-52.902	-82.311
4	-0.195	-0.245	-0.349	-0.56	-23.848	-85.698	-81.56	-74.266	-67.634	-88.144
5	-0.186	-0.224	-0.325	-0.551	-24.006	-89.25	-66.241	-59.003	-55.024	-85.873
6	-0.188	-0.241	-0.338	-0.523	-23.202	-83.379	-67.579	-60.321	-55.99	-88.72
7	-0.185	-0.237	-0.323	-0.523	-23.133	-83.796	-71.906	-70.894	-63.05	-85.958
8	-0.195	-0.25	-0.329	-0.539	-23.552	-93.434	-65.608	-61.415	-57.237	-88.198
9	-0.188	-0.241	-0.35	-0.547	-23.707	-89.417	-70.58	-63.528	-58.858	-81.861
10	-0.2	-0.244	-0.354	-0.578	-23.489	-89.195	-61.629	-56.19	-50.974	-90.522
11	-0.2	-0.246	-0.321	-0.514	-23.421	-87.657	-65.047	-59.201	-54.519	-98.73
12	-0.177	-0.221	-0.341	-0.614	-24.418	-85.431	-62.856	-57.281	-52.379	-84.753
13	-0.204	-0.252	-0.345	-0.56	-23.888	-81.803	-71.26	-65.821	-62.922	-83.255
14	-0.166	-0.229	-0.334	-0.546	-23.463	-96.575	-63.672	-59.904	-54.693	-87.672
15	-0.19	-0.247	-0.339	-0.551	-23.784	-95.079	-63.709	-58.209	-53.249	-85.09
16	-0.17	-0.211	-0.304	-0.526	-23.903	-84.277	-65.915	-60.993	-56.224	-89.497
17	-0.169	-0.224	-0.306	-0.499	-23.16	-88.125	-70.923	-65.547	-61.423	-89.666
18	-0.171	-0.222	-0.345	-0.608	-24.138	-90.928	-59.607	-53.807	-49.084	-84.01
19	-0.16	-0.204	-0.303	-0.505	-23.178	-86.066	-65.13	-58.91	-54.907	-92.593
20	-0.164	-0.24	-0.334	-0.521	-22.879	-82.852	-63.3	-56.368	-52.509	-82.574
21	-0.162	-0.213	-0.316	-0.543	-23.688	-82.993	-66.949	-60.678	-55.761	-85.846
22	-0.162	-0.2	-0.3	-0.554	-24.266	-86.283	-64.137	-57.122	-52.206	-90.089
23	-0.163	-0.219	-0.328	-0.548	-24.277	-96.57	-68.809	-61.366	-56.974	-92.002
24	-0.16	-0.201	-0.318	-0.571	-23.564	-84.022	-85.628	-74.991	-65.854	-86.182
25	-0.161	-0.201	-0.311	-0.531	-23.851	-102.138	-63.739	-57.852	-53.847	-91.606
26	-0.158	-0.208	-0.318	-0.526	-23.609	-86.063	-69.164	-61.642	-58.42	-89.851
27	-0.168	-0.212	-0.31	-0.506	-23.11	-95.002	-71.847	-63.571	-59.481	-94.757
28	-0.157	-0.195	-0.32	-0.584	-24.749	-83.339	-64.477	-58.614	-54.156	-84.089
29	-0.177	-0.219	-0.31	-0.509	-23.43	-88.109	-68.708	-62.217	-56.822	-99.956
30	-0.176	-0.215	-0.33	-0.556	-23.383	-90.628	-64.692	-59.491	-54.762	-85.233
31	-0.168	-0.21	-0.355	-0.648	-24.887	-84.947	-67.156	-58.702	-55.23	-99.243
32	-0.173	-0.241	-0.328	-0.51	-23.034	-83.415	-65.584	-61.269	-57.268	-81.183
33	-0.172	-0.221	-0.31	-0.503	-23.086	-93.436	-69.528	-63.027	-59.216	-87.306
34	-0.179	-0.222	-0.332	-0.587	-24.342	-91.62	-65.964	-59.457	-54.798	-105.269
35	-0.257	-0.332	-0.466	-0.71	-24.508	-85.289	-71.871	-65.722	-59.339	-87.072
36	-0.169	-0.213	-0.321	-0.547	-23.734	-86.119	-73.328	-69.372	-62.933	-87.125
37	-0.164	-0.216	-0.299	-0.491	-22.906	-86.377	-73.769	-64.862	-57.462	-81.903
38	-0.175	-0.21	-0.309	-0.539	-23.735	-87.895	-84.282	-71.272	-63.9	-86.616

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-63	-39	-34	-30	-63	-39	-34
LowLimit										
Average =	-75.90	-70.62	-66.05	-88.65	-74.80	-69.08	-63.38	-88.77	-73.13	-67.56
STD DEV =	8.07	7.75	8.28	4.75	6.40	6.98	6.60	4.78	7.22	7.50
Cpu	1.52	1.57	1.45	1.80	1.86	1.68	1.69	1.80	1.58	1.49
Cpl										
Cpk	1.52	1.57	1.45	1.80	1.86	1.68	1.69	1.80	1.58	1.49
DATA	-	-	-	-	-	-	-	-	-	-
1	-69.269	-63.21	-59.193	-94.183	-79.023	-77.032	-71.785	-86.924	-67.698	-61.015
2	-87.495	-77.953	-67.443	-90.317	-74.626	-69.696	-69.371	-84.98	-67.597	-60.74
3	-76.313	-72.238	-66.307	-89.313	-68.574	-65.569	-61.747	-84.882	-61.473	-56.609
4	-77.511	-80.652	-75.973	-83.715	-86.589	-75.839	-77.549	-84.371	-72.675	-65.23
5	-91.408	-73.256	-75.004	-94.203	-78.994	-70.562	-60.767	-87.404	-67.358	-65.103
6	-63.044	-56.984	-51.83	-84.068	-66.847	-60.796	-55.645	-94.026	-74.32	-65.19
7	-87.34	-77.008	-85.623	-94.039	-79.676	-73.48	-68.342	-86.612	-70.375	-66.173
8	-65.182	-59.15	-53.696	-82.711	-55.934	-49.633	-45.439	-93.204	-81.271	-76.963
9	-75.236	-67.784	-62.989	-98.788	-76.814	-67.947	-60.675	-85.989	-74.101	-64.924
10	-76.646	-68.915	-65.142	-91.61	-76.743	-67.683	-60.649	-92.791	-75.183	-74.539
11	-72.15	-66.726	-59.528	-92.011	-67.883	-59.679	-56.603	-91.185	-81.936	-78.144
12	-68.559	-62.248	-58.506	-89.032	-66.04	-63.558	-58.307	-85.14	-71.901	-65.268
13	-73.218	-69.265	-65.026	-93.173	-67.826	-64.512	-61.253	-93.661	-88.368	-81.885
14	-71.818	-66.408	-64.485	-84.89	-69.726	-65.227	-59.81	-86.713	-79.77	-65.823
15	-77.562	-77.331	-74.384	-92.003	-77.512	-65.704	-60.415	-85.093	-73.463	-65.502
16	-75.442	-66.788	-61.678	-83.773	-64.579	-58.894	-54.235	-79.469	-86.572	-89.144
17	-70.276	-65.229	-58.206	-92.961	-76.638	-70.252	-67.097	-88.897	-87.259	-75.737
18	-67.036	-62.259	-56.739	-84.604	-65.227	-57.667	-52.622	-96.659	-62.115	-56.81
19	-71.239	-65.012	-62.378	-90.423	-74.286	-79.195	-70.819	-90.481	-72.241	-68.44
20	-70.952	-71.176	-77.727	-82.272	-74.759	-76.334	-64.992	-87.509	-73.006	-64.535
21	-78.432	-75.881	-71.386	-89.206	-83.079	-71.456	-61.93	-86.022	-69.93	-62.282
22	-65.52	-59.962	-54.607	-82.779	-70.739	-64.607	-57.259	-83.28	-85.214	-74.774
23	-77.349	-72.653	-65.91	-88.099	-83.337	-68.306	-61.164	-81.112	-65.299	-58.925
24	-81.267	-73.028	-67.278	-81.307	-76.345	-71.217	-64.612	-87.09	-64.583	-58.313
25	-69.418	-64.81	-59.824	-91.988	-79.647	-71.104	-65.734	-102.141	-71.599	-67.81
26	-65.091	-59.725	-53.839	-84.734	-73.301	-68.786	-59.473	-96.904	-76.222	-71.096
27	-74.681	-69.662	-62.222	-91.717	-79.276	-75.769	-69.811	-96.234	-65.371	-60.897
28	-73.91	-85.242	-74.789	-87.845	-87.503	-78.604	-75.235	-91.459	-65.732	-57.963
29	-93.701	-88.221	-71.669	-95.086	-70.471	-65.912	-64.878	-92.248	-66.551	-66.648
30	-84.691	-72.617	-75.822	-84.203	-77.137	-68.586	-63.978	-89.682	-70.941	-66.446
31	-90.588	-75.853	-79.85	-86.55	-74.613	-70.818	-70.62	-89.686	-68.4	-64.072
32	-64.356	-59.884	-54.698	-96.9	-79.033	-89.444	-74.483	-85.28	-85.324	-75.744
33	-78.539	-70.002	-66.017	-85.182	-76.76	-76.169	-71.413	-94.034	-81.4	-78.677
34	-81.344	-78.194	-75.642	-92.216	-74.758	-66.933	-58.647	-89.134	-67.506	-66.766
35	-75.126	-70.452	-63.777	-89.893	-75.24	-63.71	-58.075	-86.753	-66.776	-59.365
36	-76.345	-85.635	-77.692	-90.552	-81.284	-70.527	-64.959	-88.593	-73.322	-64.71
37	-73.087	-69.515	-63.446	-79.072	-71.999	-71.817	-65.263	-81.622	-77.248	-77.805
38	-92.975	-82.479	-69.498	-83.235	-79.625	-72.088	-62.792	-85.822	-68.781	-67.141

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-63	-39	-34	-30	-63	-39	-34	-30	-63
LowLimit										
Average =	-63.45	-88.05	-72.74	-66.33	-62.01	-89.55	-74.69	-67.68	-63.55	-90.17
STD DEV =	7.91	4.35	6.94	7.02	6.04	5.22	5.32	5.44	6.18	5.53
Cpu	1.41	1.92	1.62	1.53	1.77	1.69	2.23	2.06	1.81	1.64
Cpl										
Cpk	1.41	1.92	1.62	1.53	1.77	1.69	2.23	2.06	1.81	1.64
DATA	-	-	-	-	-	-	-	-	-	-
1	-57.085	-94.745	-69.548	-63.363	-59.409	-98.788	-69.788	-66.162	-59.506	-86.168
2	-57.147	-86.187	-71.403	-69.88	-66.129	-90.397	-71.473	-63.763	-60.562	-82.943
3	-51.532	-83.27	-66.961	-61.31	-57.761	-102.704	-73.837	-64.724	-60.823	-93.319
4	-60.373	-86.985	-67.988	-61.817	-57.697	-87.644	-75.919	-74.282	-72.089	-86.077
5	-61.202	-89.577	-90.186	-75.499	-64.828	-86.674	-73.183	-68.864	-63.66	-98.272
6	-60.099	-88.157	-83.692	-89.255	-71.944	-88.016	-77.481	-68.026	-60.903	-89.228
7	-61.466	-93.421	-79.164	-71.819	-80.052	-83.048	-76.691	-71.374	-65.775	-86.714
8	-68.922	-100.147	-68.029	-62.954	-60.787	-84.497	-73.229	-63.814	-58.139	-96.233
9	-61.043	-89.14	-72.246	-62.176	-56.297	-88.013	-75.384	-68.783	-65.549	-88.373
10	-70.35	-84.028	-70.794	-61.071	-58.406	-90.603	-73.56	-67.586	-62.635	-89.993
11	-75.73	-89.239	-65.52	-58.882	-55.579	-94.122	-72.191	-66.402	-62.575	-89.838
12	-59.988	-83.417	-79.254	-75.321	-64.92	-83.208	-61.984	-55.055	-50.135	-83.458
13	-73.533	-83.254	-78.486	-80.649	-67.221	-88.427	-73.335	-64.418	-59.798	-88.425
14	-62.988	-88.016	-68.932	-63.436	-60.674	-85.855	-68.264	-60.789	-55.832	-99.633
15	-61.279	-89.837	-79.2	-74.268	-71.088	-95.087	-76.612	-75.365	-75.285	-90.638
16	-81.461	-95.992	-69.554	-63.679	-56.577	-85.403	-77.254	-70.46	-64.3	-97.743
17	-77.477	-91.669	-73.328	-70.862	-68.431	-90.212	-79.869	-72.427	-73.204	-87.967
18	-51.806	-88.18	-70.406	-65.851	-62.676	-98.281	-74.727	-69.558	-63.036	-101.381
19	-63.675	-84.875	-70.181	-63.391	-59.048	-84.342	-81.475	-72.939	-76.739	-90.912
20	-60.608	-92.951	-73.506	-63.826	-62.308	-82.625	-65.629	-57.167	-52.606	-90.4
21	-58.397	-91.993	-85.206	-70.34	-68.623	-95.597	-77.992	-76.896	-69.312	-84.067
22	-71.281	-85.372	-88.395	-80.64	-69.72	-94.145	-71.631	-64.399	-60.726	-105.965
23	-53.499	-88.36	-77.171	-66.415	-65.406	-90.409	-66.752	-59.757	-55.209	-92.257
24	-54.682	-91.241	-69.485	-62.137	-58.732	-88.808	-82.404	-76.264	-71.669	-93.434
25	-65.84	-83.525	-64.671	-57.115	-52.343	-83.833	-75.442	-69.737	-63.039	-93.226
26	-64.812	-88.797	-75.453	-68.502	-64.22	-101.12	-81.327	-72.648	-66.621	-83.57
27	-56.176	-82.341	-73.87	-65.347	-63.229	-87.118	-73.563	-68.418	-71.956	-88.337
28	-53.917	-86.362	-86.644	-70.558	-66.347	-88.426	-65.191	-57.815	-53.047	-92.763
29	-61.237	-82.477	-68.55	-64.794	-61.039	-97.737	-74.659	-66.312	-63.391	-90.601
30	-63.156	-83.942	-69.25	-64.094	-59.819	-85.888	-67.171	-60.457	-54.767	-85.563
31	-60.415	-86.544	-72.877	-65.749	-64.177	-90.646	-85.762	-73.985	-68.98	-87.74
32	-71.746	-97.2	-71.349	-64.911	-63.668	-89.306	-80.109	-72.024	-66.631	-81.254
33	-78.319	-85.25	-67.068	-60.616	-57.575	-92.503	-71.472	-66.912	-65.911	-84.028
34	-60.049	-89.278	-67.531	-65.614	-65.078	-82.566	-82.88	-68.02	-63.872	-98.392
35	-56.551	-82.69	-65.455	-58.688	-53.815	-87.099	-75.079	-67.071	-64.613	-85.402
36	-60.977	-87.104	-63.648	-56.669	-51.123	-87.651	-82.322	-76.122	-64.864	-87.215
37	-81.265	-87.647	-66.548	-62.743	-58.59	-88.334	-73.163	-62.896	-59.945	-87.097
38	-61.166	-82.623	-62.61	-56.233	-50.976	-83.823	-79.299	-70.301	-67.159	-87.867

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-18	-18	-18	-16	-14.4	-12	-10
LowLimit										
Average =	-66.60	-60.77	-56.98	-29.11	-29.20	-29.46	-26.92	-21.37	-18.80	-13.89
STD DEV =	5.76	5.94	5.89	2.67	2.59	2.79	2.39	1.65	1.48	0.69
Cpu	1.60	1.50	1.53	1.39	1.44	1.37	1.52	1.41	1.53	1.88
Cpl										
Cpk	1.60	1.50	1.53	1.39	1.44	1.37	1.52	1.41	1.53	1.88
DATA	-	-	-	-	-	-	-	-	-	-
1	-65.15	-59.011	-55.159	-26.275	-28.801	-27.973	-24.968	-21.005	-17.111	-14.049
2	-75.74	-66.131	-58.202	-28.314	-29.513	-33.029	-26.968	-19.862	-19.724	-14.654
3	-78.616	-70.696	-61.783	-24.963	-27.579	-27.858	-29.253	-23.599	-20.262	-13.138
4	-78.979	-72.954	-63.271	-25.757	-26.855	-31.883	-24.933	-20.902	-21.735	-14.532
5	-65.839	-59.381	-55.545	-29.343	-30.724	-28.95	-27.042	-19.195	-17.878	-15.11
6	-63.763	-57.625	-54.278	-30.197	-30.108	-33.274	-29.244	-21.394	-17.257	-14.504
7	-71.101	-62.747	-59.524	-29.774	-27.382	-25.196	-24.986	-20.943	-21.324	-15.082
8	-62.793	-56.523	-52.913	-29.507	-32.692	-33.36	-23.507	-20.936	-17.922	-12.815
9	-66.147	-60.241	-56.373	-31.491	-26.504	-26.319	-26.668	-22.323	-17.19	-14.834
10	-63.144	-57.462	-53.567	-31.801	-29.096	-33.911	-30.773	-22.424	-21.984	-13.018
11	-62.974	-57.297	-53.721	-30.244	-30.211	-31.529	-25.878	-21.528	-17.937	-14.398
12	-70.083	-67.219	-65.505	-26.243	-32.785	-29.147	-23.512	-22.425	-17.632	-14.305
13	-70.772	-64.285	-62.377	-26.436	-33.154	-25.799	-23.231	-19.04	-19.464	-13.46
14	-61.838	-54.896	-50.965	-30.422	-28.863	-27.181	-26.055	-23.198	-20.066	-14.288
15	-67.594	-61.545	-58.717	-31.61	-26.208	-30.369	-27.878	-22.237	-18.426	-13.564
16	-74.337	-75.168	-73.474	-29.347	-32.452	-27.186	-28.805	-23.123	-19.015	-14.41
17	-61.164	-55.051	-51.769	-30.4	-28.55	-29.104	-26.048	-20.606	-17.256	-13.613
18	-67.446	-60.439	-56.44	-31.285	-31.823	-28.232	-27.198	-22.225	-19.583	-14.006
19	-79.939	-75.788	-72.163	-30.188	-28.431	-33.944	-27.828	-18.885	-16.952	-14.301
20	-66.189	-59.714	-56.731	-26.99	-31.601	-30.669	-25.568	-19.647	-20.058	-14.725
21	-63.42	-57.782	-53.631	-34.061	-24.707	-26.777	-30.968	-18.779	-18.452	-12.691
22	-70.845	-67.142	-64.225	-31.691	-33.795	-28.356	-22.631	-22.988	-17.647	-13.932
23	-68.715	-62.522	-59.472	-32.286	-25.591	-29.483	-30.779	-19.103	-19.913	-13.659
24	-63.367	-56.682	-52.943	-25.711	-29.886	-29.566	-28.878	-19.222	-18.943	-14.855
25	-64.442	-58.959	-55.111	-30.257	-32.41	-28.067	-27.333	-22.785	-17.744	-13.755
26	-60.152	-54.483	-50.834	-24.865	-26.946	-26.163	-30.807	-23.415	-17.652	-13.623
27	-62.596	-57.87	-53.668	-24.917	-28.873	-27.427	-25.77	-19.354	-18.948	-13.765
28	-70.489	-63.541	-60.474	-30.247	-28.895	-28.267	-28.369	-18.899	-17.438	-14.107
29	-62.265	-57.457	-53.2	-27.508	-27.173	-30.118	-23.924	-19.186	-16.799	-13.158
30	-59.734	-53.961	-50.033	-29.632	-25.755	-24.961	-23.529	-20.963	-18.022	-13.17
31	-69.637	-61.546	-58.593	-25.434	-25.351	-30.947	-25.727	-22.073	-21.856	-13.788
32	-65.111	-57.366	-54.202	-33.85	-26.809	-31.07	-28.568	-21.265	-17.511	-14.465
33	-68.595	-64.047	-62.528	-26.253	-33.038	-25.232	-28.131	-24.095	-18.685	-14.595
34	-63.197	-60.079	-56.298	-28.73	-27.882	-33.669	-30.504	-24.019	-21.283	-12.569
35	-70.482	-63.87	-61.661	-34.017	-25.86	-34.038	-22.797	-22.719	-16.921	-13.502
36	-55.059	-50.302	-46.128	-25.533	-30.534	-26.086	-27.659	-21.441	-19.442	-13.145
37	-63.393	-57.282	-53.685	-31.666	-28.854	-30.157	-28.96	-23.632	-19.447	-12.855
38	-55.87	-50.338	-46.12	-28.769	-33.806	-34.07	-27.291	-22.696	-18.925	-13.417

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-12	-10	-18	-18	-18
LowLimit										
Average =	-30.02	-29.62	-29.00	-26.98	-21.04	-19.29	-13.71	-29.07	-29.96	-29.33
STD DEV =	2.55	2.69	2.27	2.64	1.63	1.69	0.81	2.76	2.68	2.77
Cpu	1.57	1.44	1.62	1.39	1.36	1.44	1.52	1.34	1.49	1.36
Cpl										
Cpk	1.57	1.44	1.62	1.39	1.36	1.44	1.52	1.34	1.49	1.36
DATA	-	-	-	-	-	-	-	-	-	-
1	-32.349	-30.601	-26.273	-28.139	-20.495	-21.742	-14.982	-32.193	-31.064	-32.517
2	-30.414	-30.186	-28.359	-31.097	-19.335	-17.719	-13.117	-25.889	-27.567	-26.243
3	-29.41	-32.968	-24.707	-29.53	-23.738	-18.904	-15.071	-30.384	-27.505	-31.15
4	-33.738	-24.822	-30.7	-26.052	-22.023	-19.835	-13.005	-32.096	-33.956	-25.028
5	-26.908	-26.371	-26.781	-25.261	-20.935	-21.857	-12.802	-26.114	-33.029	-28.345
6	-26.453	-28.14	-30.04	-23.296	-22.688	-18.433	-13.593	-25.509	-28.813	-30.423
7	-26.061	-32.435	-31.134	-30.793	-18.659	-18.152	-13.115	-27.184	-29.966	-32.404
8	-31.726	-30.382	-28.6	-28.779	-22.621	-20.3	-13.092	-25.172	-31.824	-30.87
9	-31.898	-28.142	-28.147	-30.228	-21.405	-22.109	-13.631	-27.754	-30.273	-27.137
10	-28.861	-33.382	-30.821	-24.535	-23.727	-17.313	-14.856	-26.904	-27.913	-25.121
11	-28.166	-24.861	-31.94	-25.584	-23.991	-18.861	-13.935	-31.5	-30.233	-32.916
12	-30.993	-28.983	-27.481	-30.249	-22.799	-21.944	-12.68	-26.643	-28.966	-31.615
13	-33.245	-33.481	-30.357	-27.066	-21.335	-17.786	-13.876	-26.604	-25.368	-28.897
14	-26.845	-26	-29.768	-27.473	-19.688	-19.36	-14.362	-32.578	-28.62	-26.967
15	-31.713	-25.498	-32.735	-27.766	-20.447	-17.721	-14.3	-26.75	-26.223	-31.203
16	-33.256	-31.019	-27.439	-23.26	-19.463	-20.978	-13.84	-29.706	-31.287	-24.699
17	-28.222	-31.502	-26.621	-25.512	-21.588	-17.539	-12.716	-25.192	-24.97	-25.61
18	-24.993	-27.797	-26.55	-28.287	-19.122	-18.501	-12.989	-24.575	-28.548	-29.092
19	-31.758	-28.526	-33.817	-23.007	-20.411	-17.02	-14.345	-29.301	-32.636	-32.041
20	-26.315	-32.175	-28.51	-23.183	-19.664	-21.945	-14.976	-32.124	-31.349	-31.724
21	-28.159	-26.198	-31.787	-24.773	-22.804	-18.153	-14.341	-32.656	-32.939	-32.971
22	-29.181	-30.109	-28.566	-30.057	-19.206	-19.936	-14.957	-29.613	-31.274	-31.218
23	-31.096	-29.102	-28.411	-26.642	-20.147	-17.465	-13.143	-32.605	-25.012	-32.723
24	-30.723	-31.483	-28.804	-30.941	-20.149	-20.417	-14.047	-31.838	-32.755	-32.841
25	-32.561	-29.484	-27.851	-25.639	-20.972	-18.272	-12.62	-25.364	-33.021	-29.715
26	-28.167	-29.971	-33.723	-29.084	-20.221	-19.03	-14.669	-26.487	-26.791	-29.198
27	-33.245	-31.497	-29.673	-24.733	-19.339	-17.049	-12.837	-32.826	-30.169	-32.168
28	-33.444	-27.323	-26.802	-29.734	-21.845	-20.233	-12.842	-28.424	-30.728	-32.866
29	-27.826	-26.58	-30.332	-26.9	-23.057	-19.838	-15.047	-31.547	-32.999	-29.685
30	-29.496	-31.722	-27.63	-29.794	-18.939	-21.867	-13.042	-30.226	-32.079	-26.59
31	-28.779	-25.941	-28.53	-24.241	-23.489	-17.544	-14.024	-32.208	-29.239	-30.083
32	-25.08	-26.5	-27.264	-30.583	-19.071	-16.938	-13.054	-26.636	-32.444	-25.85
33	-33.617	-33.106	-30.574	-25.089	-20.58	-18.156	-15.021	-32.37	-34.101	-32.308
34	-30.213	-31.346	-27.891	-24.764	-19.129	-21.229	-13.508	-32.708	-29.732	-25.044
35	-31.739	-29.729	-33.11	-23.29	-19.823	-21.858	-12.94	-26.328	-27.285	-27.042
36	-32.719	-34.073	-27.291	-23.717	-24.086	-20.01	-13.912	-27.405	-24.722	-25.946
37	-29.226	-34.047	-24.67	-30.645	-19.935	-16.886	-12.662	-31.517	-33.605	-25.971
38	-32.314	-30.147	-28.433	-25.404	-22.564	-20.028	-13.185	-29.55	-29.321	-28.277

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4	-12
LowLimit										
Average =	-27.68	-21.46	-19.41	-13.93	-29.93	-28.99	-29.87	-25.87	-21.93	-19.50
STD DEV =	2.41	1.63	1.58	0.73	2.67	2.19	2.78	2.26	1.52	1.53
Cpu	1.62	1.44	1.56	1.78	1.49	1.67	1.42	1.45	1.65	1.63
Cpl										
Cpk	1.62	1.44	1.56	1.78	1.49	1.67	1.42	1.45	1.65	1.63
DATA	-	-	-	-	-	-	-	-	-	-
1	-24.086	-21.679	-17.741	-14.308	-28.81	-31.961	-33.411	-22.643	-19.802	-16.823
2	-22.592	-21.99	-19.535	-14.998	-32.486	-30.335	-29.997	-24.851	-21.589	-19.948
3	-29.373	-19.354	-18.282	-13.076	-31.547	-26.936	-30.967	-26.543	-19.606	-21.582
4	-25.838	-22.786	-17.941	-15.124	-33.575	-29.295	-26.799	-29.746	-19.136	-18.505
5	-26.656	-20.232	-19.256	-15.041	-32.549	-29.513	-32.097	-30.06	-22.608	-19.011
6	-23.605	-19.177	-19.09	-14.512	-30.378	-33.298	-33.411	-23.77	-24.038	-21.683
7	-28.174	-20.355	-20.197	-14.304	-27.035	-32.523	-27.173	-30.214	-20.703	-19.019
8	-23.544	-20.414	-20.11	-12.952	-32.838	-28.228	-31.114	-27.053	-21.936	-17.623
9	-28.489	-24.079	-16.882	-14.578	-27.89	-32.581	-32.43	-24.144	-20.517	-19.551
10	-30.847	-19.732	-20.188	-14.336	-29.483	-29.19	-33.381	-24.234	-21.968	-21.456
11	-23.945	-18.838	-16.797	-14.174	-29.439	-30.326	-33.16	-24.706	-22.152	-21.335
12	-28.056	-23.862	-21.45	-15.076	-25.148	-30.156	-33.06	-25.636	-23.553	-21.08
13	-28.607	-23.591	-17.1	-12.895	-31.144	-29.679	-32.525	-25.545	-23.836	-20.512
14	-30.792	-20.072	-18.771	-12.929	-27.245	-28.023	-24.878	-26.87	-20.868	-17.491
15	-26.904	-22.887	-17.59	-13.609	-25.354	-28.626	-28.669	-27.282	-21.252	-22.01
16	-28.543	-21.327	-21.526	-12.972	-28.714	-29.003	-32.573	-27.969	-23.547	-20.834
17	-30.996	-19.557	-20.339	-13.51	-31.163	-25.884	-32.569	-24.482	-21.093	-19.008
18	-29.022	-19.829	-18.057	-13.292	-33.45	-26.503	-26.129	-27.92	-22.936	-17.323
19	-28.001	-23.186	-21.452	-13.864	-33.378	-28.579	-33.589	-26.433	-23.597	-18.748
20	-28.993	-20.619	-17.791	-12.759	-32.837	-27.952	-30.176	-28.329	-23.805	-19.457
21	-29.699	-21.479	-18.643	-13.343	-28.999	-25.577	-30.479	-22.814	-21.686	-20.282
22	-30.546	-23.974	-20.388	-13.237	-33.557	-31.364	-29.369	-23.802	-22.792	-21.335
23	-23.187	-19.457	-17.88	-14.8	-28.691	-26.343	-25.986	-24.211	-23.075	-19.84
24	-28.703	-22.445	-19.757	-13.458	-29.612	-30.198	-24.672	-29.032	-22.108	-16.925
25	-24.531	-23.583	-20.238	-14.587	-33.49	-28.503	-31.46	-23.11	-23.242	-21.115
26	-28.774	-23.081	-17.946	-13.566	-24.943	-25.766	-26.165	-24.982	-22.924	-17.799
27	-28.433	-19.844	-20.755	-12.857	-28.274	-30.211	-28.351	-27.756	-23.708	-21.793
28	-26.08	-22.3	-20.677	-13.476	-27.163	-31.748	-28.301	-28.622	-18.678	-20.09
29	-29.529	-21.635	-19.795	-13.7	-27.846	-30.805	-24.608	-25.379	-23.328	-19.565
30	-28.395	-22.72	-17.145	-14.194	-32.742	-27.361	-29.79	-30.288	-20.698	-19.239
31	-30.294	-22.081	-22.014	-15.094	-26.911	-26.245	-31.721	-22.779	-23.011	-18.158
32	-26.852	-22.649	-22.076	-14.915	-29.941	-29.008	-29.606	-26.87	-20.124	-18.776
33	-29.249	-20.234	-18.675	-13.772	-27.495	-24.938	-32.464	-26.068	-19.446	-18.925
34	-24.889	-22.691	-18.819	-14.603	-28.251	-26.264	-27.955	-23.377	-19.349	-21.695
35	-29.086	-22.33	-21.989	-13.731	-32.35	-29.598	-26.13	-23.604	-23.396	-18.7
36	-29.871	-18.964	-20.273	-14.397	-33.851	-32.785	-29.711	-23.891	-22.848	-18.763
37	-25.95	-19.104	-22.082	-13.241	-32.157	-29.046	-27.973	-24.683	-22.683	-16.66
38	-30.884	-23.439	-18.246	-13.891	-26.569	-27.172	-32.206	-23.547	-21.85	-18.487

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-10	-18	-18	-18	-16	-14.4	-12	-10	-18	-18
LowLimit										
Average =	-14.07	-29.08	-28.56	-29.92	-26.86	-21.47	-19.06	-13.86	-28.86	-29.81
STD DEV =	0.73	2.47	2.50	2.85	2.37	1.62	1.76	0.79	2.46	2.94
Cpu	1.85	1.50	1.41	1.39	1.53	1.45	1.34	1.63	1.47	1.34
Cpl										
Cpk	1.85	1.50	1.41	1.39	1.53	1.45	1.34	1.63	1.47	1.34
DATA	-	-	-	-	-	-	-	-	-	-
1	-13.576	-25.573	-25.225	-24.851	-30.208	-20.137	-17.221	-12.619	-26.493	-33.821
2	-13.927	-33.077	-29.57	-32.367	-26.621	-22.232	-17.079	-13.196	-27.641	-25.927
3	-14.574	-28.451	-29.208	-28.264	-31.087	-20.071	-16.712	-14.763	-25.083	-28.62
4	-15.085	-26.02	-26.877	-30.504	-23.046	-23.957	-21.837	-13.352	-33.051	-27.19
5	-14.976	-29.758	-32.716	-33.279	-22.631	-22.546	-21.017	-12.85	-30.188	-33.092
6	-13.557	-33.173	-26.492	-30.888	-25.169	-22.471	-19.753	-13.239	-28.894	-27.665
7	-12.794	-27.438	-25.127	-33.283	-25.104	-21.057	-20.589	-14.605	-27.397	-33.069
8	-15.017	-31.925	-32.744	-29.364	-25.499	-19.697	-20.843	-14.451	-29.878	-31.12
9	-14.475	-30.348	-32.46	-28.744	-25.127	-22.783	-20.055	-14.883	-32.167	-26.208
10	-14.319	-30.059	-25.607	-32.834	-27.635	-22.697	-16.929	-12.808	-26.636	-31.912
11	-13.212	-28.313	-27.633	-29.756	-24.362	-21.475	-21.152	-14.632	-31.611	-28.25
12	-14.538	-27.545	-28.82	-34.056	-24.246	-22.359	-20.24	-13.379	-29.374	-26.399
13	-15.019	-29.822	-29.31	-27.992	-29.268	-24.052	-21.488	-14.345	-24.93	-30.486
14	-14.841	-27.754	-32.575	-24.942	-29.071	-22.49	-21.04	-14.734	-28.785	-29.018
15	-14.301	-31.178	-27.847	-31.956	-30.1	-19.9	-19.97	-14.138	-26.638	-33.739
16	-14.31	-25.223	-25.005	-27.935	-27.292	-21.489	-20.967	-13.01	-27.442	-33.263
17	-14.742	-30.454	-30.458	-25.897	-28.978	-19.954	-21.613	-14.567	-32.711	-26.472
18	-14.364	-29.069	-32.66	-29.745	-24.494	-19.221	-17.35	-14.959	-28.35	-26.834
19	-12.976	-27.203	-29.514	-29.111	-27.845	-19.262	-18.133	-12.773	-26.097	-29.067
20	-13.211	-25.355	-27.532	-30.966	-29.779	-19.32	-20.694	-13.273	-28.537	-32.238
21	-14.078	-31.31	-25.378	-32.3	-27.865	-23.26	-18.38	-13.53	-31.735	-33.081
22	-14.815	-29.807	-32.054	-30.669	-24.607	-22.84	-20.152	-12.711	-27.918	-33.04
23	-14.112	-27.999	-26.287	-27.163	-24.725	-22.931	-19.462	-14.423	-29.253	-30.702
24	-13.164	-26.99	-27.455	-31.133	-27.9	-19.323	-21.63	-14.025	-31.993	-31.776
25	-13.352	-31.291	-31.156	-33.571	-23.333	-19.161	-17.415	-14.691	-24.731	-28.411
26	-12.899	-25.194	-28.252	-25.201	-27.519	-23.213	-21.398	-13.791	-28.977	-33.642
27	-13.847	-28.644	-28.041	-24.64	-28.95	-19.108	-16.849	-14.455	-27.393	-25.114
28	-14.898	-25.186	-31.041	-33.052	-24.875	-22.954	-18.323	-12.911	-26.829	-26.864
29	-12.759	-32.496	-29.857	-31.749	-26.298	-18.697	-17.052	-13.54	-31.536	-28.626
30	-15.094	-31.244	-25.88	-25.258	-23.264	-21.585	-17.08	-14.912	-33.942	-26.108
31	-13.94	-26.6	-29.711	-31.72	-26.206	-18.862	-18.139	-14.618	-31.388	-30.832
32	-14.909	-29.963	-28.456	-31.968	-30.62	-22.548	-19.134	-13.079	-27.979	-33.628
33	-13.273	-33.887	-26.219	-25.646	-29.772	-21.56	-18.197	-13.321	-31.737	-33.259
34	-14.578	-32.97	-26.888	-30.424	-25.907	-22.716	-16.756	-14.125	-27.665	-25.447
35	-14.09	-28.668	-29.468	-27.827	-27.617	-22.934	-16.744	-15.06	-26.724	-31.286
36	-14.139	-26.575	-31.52	-31.331	-30.61	-21.686	-17.737	-14.878	-32.041	-33.204
37	-13.945	-27.88	-24.828	-33.36	-25.939	-21.392	-17.567	-13.015	-27.009	-28.602
38	-12.852	-30.725	-25.31	-33.183	-27.095	-23.8	-17.455	-12.991	-26.108	-24.71

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-28.85	-27.87	-21.39	-19.88	-14.04	-28.62	-30.06	-29.51	-26.47	-21.13
STD DEV =	2.61	2.65	1.51	1.65	0.80	2.40	2.76	2.68	2.42	1.59
Cpu	1.39	1.49	1.55	1.60	1.69	1.48	1.46	1.43	1.44	1.41
Cpl										
Cpk	1.39	1.49	1.55	1.60	1.69	1.48	1.46	1.43	1.44	1.41
DATA	-	-	-	-	-	-	-	-	-	-
1	-29.282	-30.22	-19.831	-22.066	-13.161	-32.375	-30.512	-31.685	-23.11	-22.295
2	-30.361	-31.044	-21.477	-21.368	-14.897	-30.071	-27.142	-25.87	-26.142	-19.546
3	-25.233	-30.546	-24.019	-17	-12.841	-30.102	-25.245	-33.291	-23.965	-20.773
4	-32.124	-24.522	-23.03	-19.756	-13.086	-27.71	-31.227	-28.638	-26.672	-18.936
5	-27.365	-29.814	-21.575	-21.387	-15.047	-30.346	-32.744	-25.806	-24.771	-22.159
6	-30.353	-27.305	-21.555	-21.183	-14.765	-28.222	-32.885	-33.916	-29.971	-18.844
7	-24.924	-28.251	-22.486	-17.036	-12.675	-28.689	-31.454	-28.103	-27.262	-18.699
8	-27.944	-30.188	-19.119	-18.229	-13.281	-29.053	-32.085	-30.965	-28.509	-21.709
9	-24.787	-30.805	-21.7	-20.06	-14.096	-25.26	-32.72	-26.79	-30.432	-18.617
10	-33.975	-27.719	-23.658	-20.34	-13.933	-30.93	-29.665	-28.208	-23.604	-20.625
11	-32.068	-26.947	-20.693	-18.228	-14.942	-25.376	-26.599	-33.073	-24.446	-21.988
12	-27.514	-27.358	-21.078	-18.308	-14.715	-26.518	-27.14	-32.05	-25.553	-19.206
13	-25.72	-26.787	-23.873	-17.888	-14.3	-29.394	-27.207	-33.133	-30.821	-22.722
14	-28.191	-25.214	-22.049	-21.743	-14.631	-33.205	-26.144	-26.603	-25.879	-21.063
15	-31.956	-26.703	-19.042	-21.709	-14.498	-28.549	-33.055	-30.829	-27.548	-23.723
16	-31.47	-30.928	-23.447	-18.304	-14.757	-24.746	-33.539	-25.422	-26.697	-21.357
17	-27.541	-30.734	-22.326	-20.543	-13.965	-25.58	-31.352	-30.777	-23.551	-23.726
18	-30.76	-30.054	-19.898	-19.499	-13.985	-26.035	-28.504	-30.58	-30.616	-18.802
19	-29.446	-23.021	-22.256	-22.038	-13.774	-33.461	-25.299	-32.728	-27.107	-22.598
20	-31.198	-24.215	-20.324	-16.65	-14.087	-25.597	-32.776	-28.533	-31.095	-22.873
21	-31.854	-30.221	-20.248	-18.201	-14.741	-30.585	-31.405	-32.219	-27.843	-22.228
22	-29.804	-23.627	-20.776	-17.402	-14.996	-25.667	-32.914	-29.857	-23.785	-20.87
23	-27.532	-29.653	-22.317	-21.42	-12.778	-32.324	-25.729	-25.31	-24.598	-19.751
24	-27.426	-29.929	-19.091	-19.501	-13.259	-30.683	-33.965	-26.805	-30.025	-20.279
25	-31.519	-30.819	-20.08	-20.783	-12.813	-26.932	-33.357	-29.185	-24.121	-21.715
26	-24.949	-27.212	-21.293	-18.605	-15.009	-32.24	-31.189	-33.994	-25.399	-20.05
27	-29.78	-23.768	-22.454	-21.102	-15.028	-29.767	-31.479	-29.887	-24.541	-18.702
28	-26.006	-30.933	-19.851	-21.87	-14.709	-25.729	-33.031	-25.855	-27.466	-23.078
29	-33.916	-26.319	-18.921	-20.999	-13.884	-27.785	-25.247	-25.431	-28.092	-22.418
30	-30.006	-30.928	-20.551	-19.308	-14.331	-27.348	-33.202	-30.355	-24.261	-23.595
31	-27.621	-28.136	-22.499	-22.076	-14.924	-25.132	-29.085	-31.595	-29.776	-22.401
32	-27.941	-23.021	-19.657	-20.442	-12.71	-30.236	-28.22	-31.461	-28.836	-21.672
33	-26.491	-26.987	-21.514	-20.306	-14.611	-29.705	-27.636	-31.515	-27.277	-20.764
34	-25.802	-28.07	-19.333	-19.769	-14.707	-27.701	-30.404	-25.441	-23.868	-19.116
35	-27.487	-30.922	-24.057	-20.406	-13.182	-29.968	-31.037	-29.713	-24.386	-21.88
36	-31.951	-23.859	-22.996	-17.176	-14.015	-27.073	-26.489	-26.904	-23.094	-19.77
37	-29.381	-23.778	-22.847	-20.719	-12.573	-28.861	-31.803	-28.941	-24.53	-20.973
38	-24.685	-28.399	-20.731	-21.839	-13.993	-28.651	-28.903	-29.841	-26.261	-23.435

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	Hipot
Condition:	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	
HighLimit	-12	-10	-18	-18	-18	-16	-14.4	-12	-10	
LowLimit										1500VAC/ 60s/1mA
Average =	-19.09	-13.62	-29.12	-30.40	-29.18	-27.33	-21.34	-19.30	-13.86	
STD DEV =	1.59	0.77	2.62	2.36	2.65	2.40	1.41	1.59	0.71	
Cpu	1.49	1.56	1.42	1.75	1.41	1.57	1.64	1.53	1.82	
Cpl										
Cpk	1.49	1.56	1.42	1.75	1.41	1.57	1.64	1.53	1.82	
DATA	-	-	-	-	-	-	-	-	-	
1	-17.184	-14.373	-25.346	-32.885	-24.932	-26.333	-21.985	-18.86	-12.723	Pass
2	-16.716	-13.683	-30.957	-26.036	-29.931	-27.259	-18.608	-20.36	-15.088	Pass
3	-17.967	-14.036	-28.436	-31.104	-32.314	-30.105	-24.019	-17.843	-13.318	Pass
4	-20.515	-13.237	-27.715	-28.238	-25.786	-22.612	-21.793	-17.445	-14.041	Pass
5	-17.42	-13.546	-32.376	-29.773	-29.396	-27.123	-19.928	-16.591	-13.007	Pass
6	-17.171	-14.572	-30.253	-31.541	-33.998	-31.03	-19.355	-19.454	-13.575	Pass
7	-20.41	-12.879	-32.686	-28.978	-28.082	-30.107	-20.417	-20.147	-15.089	Pass
8	-18.603	-12.639	-25.268	-29.686	-33.473	-29.289	-22.286	-16.947	-14.559	Pass
9	-20.954	-14.724	-27.498	-28.081	-27.227	-29.056	-20.355	-16.833	-12.76	Pass
10	-19.879	-12.657	-30.621	-27.542	-27.304	-28.43	-22.263	-22.112	-13.357	Pass
11	-22.087	-12.575	-28.52	-29.628	-30.179	-30.746	-19.945	-19.154	-14.066	Pass
12	-17.514	-12.961	-31.64	-31.771	-28.187	-23.499	-20.261	-18.267	-14.604	Pass
13	-21.838	-12.748	-30.274	-24.991	-28.862	-24.799	-22.323	-18.356	-14.07	Pass
14	-17.32	-13.979	-27.467	-32.132	-24.564	-25.906	-23.391	-19.906	-13.826	Pass
15	-20.475	-13.887	-25.138	-28.424	-27.505	-24.725	-18.826	-21.815	-13.854	Pass
16	-19.422	-14.512	-31.219	-30.778	-31.306	-24.788	-19.685	-21.332	-13.015	Pass
17	-17.313	-13.024	-25.378	-33.004	-31.803	-30.069	-23.387	-17.103	-13.692	Pass
18	-17.355	-13.636	-28.91	-33.962	-30.907	-29.133	-22.324	-17.918	-13.881	Pass
19	-16.582	-14.767	-33.191	-30.235	-32.803	-28.458	-22.754	-19.91	-14.545	Pass
20	-19.317	-15.078	-30.587	-30.458	-29.753	-27.297	-19.401	-20.199	-14.657	Pass
21	-18.844	-14.962	-31.713	-26.469	-27.404	-27.639	-21.338	-19.535	-13.218	Pass
22	-20.161	-12.732	-30.839	-33.448	-25.607	-30.628	-22.963	-17.873	-14.428	Pass
23	-20.228	-13.283	-25.369	-34.124	-30.21	-26.476	-22.177	-18.749	-13.108	Pass
24	-18.028	-12.942	-28.288	-28.698	-26.425	-27.306	-20.774	-21.087	-12.963	Pass
25	-20.307	-13.901	-32.838	-29.297	-24.695	-25.157	-21.561	-17.024	-14.531	Pass
26	-20.465	-12.577	-32.83	-32.866	-33.13	-27.377	-21.91	-20.957	-13.81	Pass
27	-20.207	-13.768	-31.768	-30.692	-32.725	-29.325	-21.875	-21.981	-13.299	Pass
28	-18.331	-14.449	-25.08	-32.779	-26.519	-23.512	-23.606	-18.228	-15.069	Pass
29	-16.896	-12.913	-25.908	-27.354	-24.818	-25.469	-22.513	-20.031	-14.065	Pass
30	-20.358	-13.564	-28.219	-29.288	-31.099	-30.316	-21.717	-20.414	-13.259	Pass
31	-21.359	-13.02	-24.623	-32.211	-32.232	-30.05	-20.212	-19.281	-14.718	Pass
32	-21.511	-13.653	-30.978	-33.884	-29.544	-27.062	-21.371	-19.374	-12.695	Pass
33	-17.95	-13.836	-29.701	-30.598	-29.838	-25.277	-21.091	-18.614	-13.277	Pass
34	-19.755	-15.082	-26.144	-30.224	-29.522	-30.514	-20.626	-19.921	-13.81	Pass
35	-20.357	-14.214	-32.532	-31.041	-27.416	-23.653	-19.115	-20.232	-14.982	Pass
36	-18.368	-12.603	-28.862	-33.56	-30.806	-28.627	-21.891	-20.552	-14.545	Pass
37	-19.149	-13.898	-28.034	-27.092	-30.684	-24.64	-19.918	-16.84	-13.479	Pass
38	-17.095	-12.773	-29.432	-32.344	-28.005	-24.633	-23.059	-22.037	-13.555	Pass

Appendix 4

HX6101NL Electrical Test Data After Resistance To Soldering Heat

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1,2,3-4,5,6	4,5,6-7,8,9	7,8,9-10,11,12	10,11,12-13,14,15	13,14,15-16,17,18	16,17,18-19,20,21	19,20,21-22,23,24	22,23,24-25,26,27	25,26,27-28,29,30	28,29,30-31,32,33
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	85.81	81.01	81.00	81.32	80.54	80.87	81.35	80.97	81.15	78.29
STD DEV =	1.18	0.91	0.83	0.93	0.91	0.88	0.81	1.38	0.81	0.74
Cpu										
Cpl	21.48	26.00	28.38	25.48	25.80	26.98	29.54	17.18	29.32	30.67
Cpk	21.48	26.00	28.38	25.48	25.80	26.98	29.54	17.18	29.32	30.67
DATA	-	-	-	-	-	-	-	-	-	-
1	83.955	78.854	79.044	78.794	79.298	80.283	81.504	80.463	80.183	77.191
2	84.988	80.739	80.563	82.357	79.77	80.863	81.715	86.771	82.753	77.233
3	84.624	81.665	81.646	82.42	79.299	79.278	80.276	79.911	80.872	78.234
4	84.697	79.465	79.619	80.384	80.342	80.995	81.327	80.377	79.921	76.757
5	84.942	81.043	81.556	81.166	80.54	79.837	81.741	79.132	80.795	78.208
6	85.451	80.673	81.055	80.913	79.128	79.267	79.815	79.591	80.872	78.482
7	83.745	79.81	80.055	82.121	81.44	81.821	82.225	81.93	80.417	77.745
8	84.969	80.399	80.098	80.31	80.375	81.34	81.47	81.286	80.964	77.3
9	84.628	80.306	80.926	81.346	80.214	80.696	79.926	79.585	79.757	77.586
10	84.699	80.025	80.816	81.984	80.665	81.123	80.925	79.66	80.497	77.733
11	86.604	80.969	80.006	80.492	79.744	80.196	81.049	81.054	81.285	78.098
12	86.275	81.376	80.815	79.724	79.692	79.784	81.128	80.905	81.84	78.546
13	85.221	80.228	80.505	81.254	81.356	81.21	80.516	79.631	80.094	77.712
14	86.482	81.982	81.898	81.532	79.654	79.922	79.66	80.844	81.461	78.866
15	84.595	80.707	80.772	81.868	81.047	81.483	81.106	80.97	80.248	77.765
16	86.97	81.84	80.612	80.376	79.365	80.073	81.545	81.473	81.785	78.928
17	86.867	81.098	80.455	80.506	79.523	80.091	81.622	81.234	81.497	78.674
18	86.12	81.592	81.797	81.62	79.951	79.732	80.491	80.386	81.525	79.349
19	85.277	80.218	80.65	82.591	81.632	81.922	81.283	80.122	80.273	77.904
20	84.902	79.88	80.45	80.947	81.349	81.635	81.751	80.771	80.299	77.666
21	85.704	82.084	82.326	83.111	81.57	80.651	80.556	79.927	81.299	79.303
22	87.611	82.267	81.812	80.604	80.166	80.621	82.233	81.63	82.223	79.053
23	86.102	81.151	81.906	82.463	82.36	82.017	82.004	81.264	81.042	78.277
24	85.453	81.185	81.904	82.099	81.763	81.809	81.961	80.386	81.055	78.384
25	86.69	80.657	80.741	81.596	81.599	82.233	82.319	81.247	80.886	78.075
26	87.816	82.819	82.667	81.682	80.742	80.664	81.391	81.253	82.176	79.876
27	87.831	82.138	81.267	81.941	80.253	81.491	82.506	81.918	82.535	79.06
28	86.321	81.914	82.325	81.917	81.251	80.9	81.093	80.382	81.62	79.513
29	88.324	81.873	80.788	80.835	79.949	81.459	82.495	82.507	81.895	78.527
30	86.555	81.451	80.778	80.628	82.112	82.618	82.768	82.577	82.457	78.665

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31,32,33-34,35,36	34,35,36-37,38,39	37,38,39-40,41,42	40,41,42-43,44,45	43,44,45-46,47,48	2-3	5-6	8-9	11-12	14-15
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	mohms	mohms	mohms	mohms	mohms
HighLimit						2000	2000	2000	2000	2000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	81.38	81.91	82.00	81.99	82.30	1,222.67	1,222.10	1,190.23	1,209.73	1,193.01
STD DEV =	0.84	0.93	0.99	0.88	1.03	13.26	12.52	14.84	14.71	11.76
Cpu						19.54	20.72	18.19	17.91	22.88
Cpl	28.23	25.65	24.28	27.29	23.40	30.48	32.28	26.51	27.19	33.54
Cpk	28.23	25.65	24.28	27.29	23.40	19.54	20.72	18.19	17.91	22.88
DATA	-	-	-	-	-	-	-	-	-	-
1	79.32	80.053	80.182	80.656	81.071	1209.904	1198.727	1197.462	1198.45	1196.038
2	79.713	80.45	80.668	81.307	81.145	1215.532	1216.332	1184.588	1208.347	1182.986
3	81.75	82.366	82.105	82.726	84.798	1212.638	1201.09	1169.855	1197.577	1188.648
4	80.07	81.596	82.197	82.419	82.99	1208.614	1208.61	1195.044	1219.525	1180.855
5	81.166	81.148	80.377	80.29	80.573	1210.135	1206.315	1200.369	1226.764	1194.691
6	80.726	80.748	80.579	81.133	83.024	1243.881	1229.548	1186.214	1212.235	1189.427
7	81.221	82.067	82.447	82.194	82.061	1238.403	1224.556	1180.556	1234.73	1201.629
8	80.491	80.648	81.732	82.31	83.396	1218.623	1228.405	1190.947	1198.892	1186.564
9	81.191	81.862	81.598	80.454	80.427	1226.317	1221.807	1170.574	1198.715	1185.045
10	81.237	82.155	82.503	81.803	81.429	1210.042	1223.759	1189.157	1219.81	1183.232
11	80.495	80.47	80.675	81.303	82.402	1226.787	1209.832	1198.255	1231.097	1188.138
12	80.63	80.911	81.304	82.455	84.027	1208.004	1218.095	1160.306	1218.52	1174.723
13	81.423	82.583	83.453	82.805	82.449	1234.12	1246.754	1185.023	1201.95	1206.249
14	81.803	81.08	80.609	80.95	81.867	1221.682	1228.563	1190.045	1204.015	1189.918
15	81.316	82.306	82.666	82.741	82.082	1241.246	1212.529	1206.063	1194.748	1201.331
16	81.403	81.66	81.605	81.515	82.805	1220.745	1205.672	1205.723	1221.804	1199.426
17	80.961	80.996	80.961	82.069	82.379	1221.934	1223.111	1170.75	1212.308	1204.271
18	82.034	82.019	81.376	80.951	81.176	1231.644	1236.18	1190.453	1195.415	1181.791
19	82.338	82.911	83.145	82.372	81.726	1220.785	1223.666	1196.651	1248.792	1191.258
20	81.074	81.813	82.579	82.534	81.847	1201.067	1209.694	1161.944	1222.294	1193.373
21	82.512	83.086	82.223	81.269	81.511	1221.66	1231.231	1205.248	1207.815	1222.324
22	81.742	81.512	81.756	81.698	82.993	1251.165	1217.99	1180.735	1208.024	1180.594
23	81.698	83.184	83.178	82.786	82.033	1224.43	1227.628	1208.308	1209.565	1175.817
24	82.449	83.312	83.324	82.821	82.164	1195.821	1246.27	1195.824	1209.463	1203.788
25	81.55	82.73	83.422	84.021	83.094	1227.396	1225.364	1210	1201.537	1199.035
26	82.968	82.995	82.562	81.902	81.759	1224.878	1214.386	1171.724	1199.515	1187.445
27	81.893	82.123	82.035	82.529	83.604	1226.246	1226.034	1217.426	1213.958	1216.272
28	82.864	83.536	82.933	81.54	81.206	1226.371	1238.931	1212.386	1200.261	1191.576
29	81.782	82.113	82.17	82.47	83.239	1210.617	1244.572	1195.84	1168.883	1214.299
30	81.726	82.747	83.534	83.577	83.726	1249.516	1217.494	1179.513	1206.865	1179.499

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	20-21	23-24	25-26	28-29	31-32	34-35	37-38	40-41	43-44
Unit	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms
HighLimit	2000	2000	2000	1000	1000	1000	1000	1000	1000	1000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	1,205.14	1,197.03	1,187.51	396.19	405.83	401.45	402.05	404.63	402.57	401.04
STD DEV =	11.60	12.91	14.39	41.91	6.46	4.03	4.22	7.72	9.55	6.12
Cpu	22.84	20.73	18.82	4.80	30.66	49.57	47.23	25.70	20.85	32.65
Cpl	34.34	30.65	27.27	3.07	20.42	32.42	30.96	17.03	13.70	21.31
Cpk	22.84	20.73	18.82	3.07	20.42	32.42	30.96	17.03	13.70	21.31
DATA	-	-	-	-	-	-	-	-	-	-
1	1197.116	1197.703	1198.119	399.281	399.123	396.337	399.219	399.379	398.244	397.563
2	1181.077	1202.344	1178.658	380.463	406.017	399.385	401.631	401.068	397.057	397.829
3	1206.076	1196.23	1197.309	396.234	407.272	394.819	398.37	407.964	398.178	394.751
4	1183.487	1210.152	1188.857	382.468	403.914	399.802	399.623	404.062	419.46	396.54
5	1207.307	1187.97	1197.418	386.122	398.07	400.362	406.17	405.827	406.261	396.09
6	1192.936	1223.754	1163.714	382.616	408.03	407.188	397.941	401.046	410.622	397.389
7	1224.291	1185.686	1210.704	387.054	397.708	400.006	407.923	403.77	404.161	403.074
8	1199.676	1209.934	1193.527	383.24	405.996	400.87	396.178	401.045	411.862	399.611
9	1198.122	1184.396	1187.754	375.195	404.284	402.032	395.825	401.369	402.162	399.514
10	1201.306	1182.9	1167.3	377.133	405.243	398.589	404.319	406.871	397.14	403.343
11	1204.646	1190.929	1189.031	381.675	402.856	401.846	403.654	404.65	396.055	396.455
12	1190.491	1188.668	1168.908	383.239	402.39	398.934	397.566	398.721	398.171	399.49
13	1213.32	1193.116	1215.397	386.862	426.004	397.494	402.454	401.738	392.861	405.701
14	1206.967	1195.248	1203.183	390.747	404.842	402.668	401.399	404.203	406.367	402.803
15	1209.643	1205.723	1177.508	382.27	406.999	403.373	404.218	402.634	398.673	399.22
16	1215.331	1193.144	1183.649	382.499	403.319	404.501	402.875	404.278	399.93	394.756
17	1191.328	1199.775	1185.225	386.856	404.728	396.953	402.751	396.523	395.436	395.385
18	1206.699	1203.526	1194.177	385.067	409.79	401.635	398.985	402.916	401.331	394.94
19	1229.423	1218.776	1181.393	387.942	404.02	404.447	395.626	403.796	399.281	403.69
20	1210.649	1189.074	1159.701	386.966	403.288	401.307	406.308	404.311	395.228	396.498
21	1210.152	1198.216	1213.521	392.393	420.905	401.856	402.631	413.28	403.967	405.582
22	1201.533	1203.289	1193.668	382.741	404.728	397.338	402.521	406.913	401.442	403.3
23	1204.334	1174.172	1197.972	389.315	399.109	402.609	397.23	402.939	397.24	397.108
24	1195.13	1191.271	1184.86	381.66	403.134	400.356	404.677	402.048	400.817	401.309
25	1196.12	1167.088	1166.184	381.996	395.345	395.816	403.32	400.927	402.236	403.556
26	1218.275	1192.391	1177.033	546.931	403.578	406.136	404.311	405.938	388.516	426.558
27	1222.539	1186.234	1172.399	384.09	407.646	409.114	401.057	442.081	442.877	401.525
28	1209.228	1220.142	1181.983	382.798	419.133	404.873	401.989	404.701	402.226	403.116
29	1224.355	1215.44	1203.295	556.822	411.116	413.664	416.904	396.702	407.085	410.326
30	1202.678	1203.52	1192.76	383.026	406.446	399.202	403.796	407.251	402.168	404.326

Parameter	DCR	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	2-1	1-3	5-4	4-6	8-7	7-9	11-10	10-12	14-13
Unit	mohms	n	n	n	n	n	n	n	n	n
HighLimit	1000	500	500	500	500	500	500	500	500	500
LowLimit	10									
Average =	407.25	206.43	203.61	159.73	187.45	207.97	205.39	210.52	208.55	201.89
STD DEV =	5.12	4.26	2.79	4.31	2.47	3.51	2.69	3.11	2.32	4.24
Cpu	38.61	22.95	35.46	26.32	42.19	27.73	36.50	31.00	41.89	23.45
Cpl	25.87									
Cpk	25.87	22.95	35.46	26.32	42.19	27.73	36.50	31.00	41.89	23.45
DATA	-	-	-	-	-	-	-	-	-	-
1	400.856	207.675	207.674	163.29	188.382	208.042	207.501	208.481	208.278	209.323
2	410.35	206.202	201.905	168.913	192.761	213.429	206.305	215.627	212.978	203.038
3	407.491	206.188	207.042	158.553	187.8	203.267	202.617	209.214	205.38	208.034
4	402.174	205.943	204.479	168.116	184.441	209.061	204.841	212.397	210.42	206.016
5	400.433	209.055	206.921	160.738	187.481	216.432	208.337	214.186	211.076	208.718
6	419.905	210.598	205.491	172.14	192.643	209.036	204.772	216.762	210.809	208.951
7	402.519	205.033	208.153	157.297	187.337	209.291	209.399	211.468	208.099	205.132
8	403.063	207.212	203.366	165.45	187.202	212.37	207.671	212.493	205.093	199.248
9	414.338	211.599	204.24	160.644	186.849	206.426	205.349	218.091	211.296	203.088
10	399.806	206.947	201.229	158.611	187.631	210.819	209.259	211.401	209.098	203.505
11	410.579	205.112	202.13	156.092	181.51	207.657	203.296	205.807	208.321	206.692
12	405.875	205.392	205.067	159.19	184.822	203.883	202.403	204.5	208.791	202.852
13	413.52	204.706	205.791	156.073	186.401	204.521	207.284	208.79	209.491	198.955
14	408.772	201.245	208.885	160.698	186.269	214.275	209.277	210.22	207.234	197.873
15	414.604	206.01	204.014	156.298	186.311	210.551	209.264	209.752	205.524	205.823
16	407.066	201.872	205.525	159.301	189.683	207.849	206.148	212.238	212.376	200.435
17	408.985	197.987	198.565	154.339	187.392	205.693	204.935	207.68	206.315	199.186
18	410.414	204.703	202.957	160.853	184.931	212.439	200.445	207.088	205.912	194.273
19	404.691	200.901	201.955	156.508	188.296	201.099	202.047	213.403	211.393	197.302
20	404.047	201.779	200.873	157.556	189.18	206.27	204.644	213.2	208.833	202.031
21	412.665	207.08	208.152	161.752	186.611	205.658	200.361	211.011	208.952	207.598
22	411.595	204.661	203.876	161.462	186.697	203.797	204.569	209.484	208.861	196.232
23	407.737	201.875	201.979	159.32	185.867	206.47	206.589	209.673	205.416	198.33
24	400.854	201.23	203.158	158.578	190.181	206.863	206.642	211.248	207.408	199.959
25	400.375	207.698	200.608	157.864	190.28	207.909	201.629	209.812	211.165	199.883
26	411.029	217.442	203.868	156.43	190.789	204.379	201.039	207.381	206.128	200.331
27	403.233	207.587	200.316	155.559	185.226	209.4	206.97	208.102	209.734	197.615
28	407.858	211.661	200.665	153.147	183.32	210.22	208.427	210.64	208.822	199.64
29	401.346	214.388	199.914	155.316	189.377	207.965	204.985	206.15	203.72	201.54
30	411.299	213.032	199.486	161.802	187.724	204.004	204.573	209.216	209.618	195.124

Parameter	LL	LL	LL	LL	LL	LL	LL	BL	BL	BL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	13-15	17-16	16-18	20-19	19-21	23-22	22-24	2-1:1-3	5-4:4-6	8-7:7-9
Unit	n	n	n	n	n	n	n	*1	*1	*1
HighLimit	500	500	500	500	500	500	500	1.2	1.2	1.2
LowLimit								0.8	0.8	0.8
Average =	203.79	185.32	182.51	209.16	211.23	206.04	199.50	1.01	0.87	1.01
STD DEV =	3.64	4.87	4.59	3.55	3.51	3.51	3.77	0.03	0.01	0.02
Cpu	27.16	21.52	23.05	27.32	27.40	27.93	26.58	2.39	7.66	4.12
Cpl								2.76	1.58	4.67
Cpk	27.16	21.52	23.05	27.32	27.40	27.93	26.58	2.39	1.58	4.12
DATA	-	-	-	-	-	-	-	-	-	-
1	209.928	189.934	189.406	207.54	209.066	208.966	209.816	1	0.867	1.003
2	201.912	196.144	193.109	207.563	208.542	205.97	204.157	1.021	0.876	1.035
3	209.239	199.93	195.911	212.958	212.146	212.751	206.238	0.996	0.874	1.003
4	210.91	180.951	179.766	207.73	216.662	198.729	199	1.007	0.911	1.021
5	208.636	186.664	183.421	209.352	210.054	206.777	201.905	1.01	0.857	1.039
6	207.748	179.236	178.099	218.261	220.21	207.893	196.963	1.025	0.894	1.021
7	205.894	187.514	184.458	207.802	209.951	205.627	203.246	0.985	0.84	0.999
8	201.713	183.045	180.488	207.931	211.604	203.14	198.164	1.019	0.884	1.023
9	206.631	186.925	185.577	210.975	209.11	205.565	196.202	1.036	0.86	1.005
10	206.49	182.939	180.466	208.751	206.013	203.528	194.456	1.028	0.845	1.007
11	204.051	181.265	182.061	202.435	208.976	205.799	201.563	1.015	0.86	1.021
12	202.832	190.136	182.648	208.255	209.67	204.76	200.903	1.002	0.861	1.007
13	204.342	182.4	181.512	206.29	208.431	209.297	200.452	0.995	0.877	0.987
14	198.667	190.763	188.867	204.333	207.794	209.501	201.939	0.963	0.863	1.024
15	202.597	183.991	178.72	208.467	211.586	203.149	199.846	1.01	0.879	1.006
16	197.42	187.652	185.304	206.793	208.371	212.785	201.449	0.982	0.87	1.008
17	201.182	177.042	176.943	205.609	211.558	210.878	197.909	0.997	0.874	1.004
18	195.078	185.032	179.995	206.964	210.728	201	192.228	1.009	0.87	1.06
19	201.221	187.857	182.098	208.099	210.767	208.979	201.577	0.995	0.871	0.995
20	206.386	184.985	180.431	207.392	205.84	202.932	195.391	1.005	0.873	1.008
21	203.182	185.782	181.093	215.55	214.289	209.176	204.584	0.995	0.867	1.026
22	203.509	186.196	179.729	207.428	209.533	202.255	199.617	1.004	0.865	0.996
23	201.791	184.895	183.169	205.925	212.968	204.434	201.009	0.999	0.857	0.999
24	204.229	175.999	176.752	209.149	212.02	202.686	197.27	0.991	0.834	1.001
25	203.121	184.207	178.321	210.288	209.32	206.084	197.789	1.035	0.873	1.031
26	206.467	185.745	185.433	216.206	212.887	209.906	197.301	1.067	0.872	1.017
27	200.552	182.467	180.792	208.458	212.819	199.774	196.619	1.036	0.874	1.012
28	204.11	184.226	177.459	214.05	218.149	205.689	195.792	1.055	0.875	1.009
29	199.089	185.304	186.031	214.761	219.375	208.197	196.975	1.072	0.87	1.015
30	204.889	180.236	177.267	209.362	208.342	205.087	194.494	1.068	0.862	0.997

Parameter	BL	BL	BL	BL	BL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-10: 10-12	14-13: 13-15	17-16: 16-18	20-19: 19-21	23-22: 22-24	1-2,3	4-5,6	7-8,9	10-11,12	13-14,15
Unit	*1	*1	*1	*1	*1	nH	nH	nH	nH	nH
HighLimit	1.2	1.2	1.2	1.2	1.2	110	110	110	110	110
LowLimit	0.8	0.8	0.8	0.8	0.8					
Average =	1.01	0.99	1.02	0.99	1.03	42.51	33.45	51.15	55.19	52.31
STD DEV =	0.01	0.02	0.01	0.01	0.02	4.56	5.44	3.12	2.05	1.71
Cpu	5.06	4.33	4.81	5.09	2.95	4.93	4.69	6.29	8.92	11.26
Cpl	5.57	3.94	5.62	4.62	4.12					
Cpk	5.06	3.94	4.81	4.62	2.95	4.93	4.69	6.29	8.92	11.26
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	0.997	1.003	0.993	0.996	52.58	42.704	52.854	52.354	53.856
2	1.012	1.006	1.016	0.995	1.009	50.313	46.527	55.598	60.075	52.366
3	1.019	0.994	1.021	1.004	1.032	50.861	40.809	49.931	54.072	52.953
4	1.009	0.977	1.007	0.959	0.999	52.347	41.973	53.988	57.078	55.661
5	1.015	1	1.018	0.997	1.024	53.331	38.697	55.649	55.693	51.93
6	1.028	1.006	1.006	0.991	1.055	41.909	43.215	50.213	59.615	51.598
7	1.016	0.996	1.017	0.99	1.012	39.18	33.42	56.156	55.024	50.78
8	1.036	0.988	1.014	0.983	1.025	39.724	38.636	55.972	55.638	50.519
9	1.032	0.983	1.007	1.009	1.048	41.093	35.262	50.488	59.188	52.496
10	1.011	0.986	1.014	1.013	1.047	38.059	36.635	55.714	57.548	54.5
11	0.988	1.013	0.996	0.969	1.021	39.368	33.485	50.864	53.504	54.315
12	0.979	1	1.041	0.993	1.019	42.099	30.778	50.066	53.329	51.154
13	0.997	0.974	1.005	0.99	1.044	41.911	29.556	51.715	55.185	50.837
14	1.014	0.996	1.01	0.983	1.037	41.626	33.219	55.888	54.316	50.837
15	1.021	1.016	1.029	0.985	1.017	40.707	29.218	55.832	55.669	53.76
16	0.999	1.015	1.013	0.992	1.056	41.856	32.99	48.866	57.021	51.78
17	1.007	0.99	1.001	0.972	1.066	36.442	29.9	50.379	52.7	50.564
18	1.006	0.996	1.028	0.982	1.046	39.503	30.4	51.175	52.939	49.06
19	1.01	0.981	1.032	0.987	1.037	38.947	25.601	46.188	57.394	53.006
20	1.021	0.979	1.025	1.008	1.039	38.41	26.576	49.437	54.678	55.206
21	1.01	1.022	1.026	1.006	1.022	42.79	29.239	46.201	56.323	55.634
22	1.003	0.964	1.036	0.99	1.013	39.695	34.175	47.337	52.65	52.316
23	1.021	0.983	1.009	0.967	1.017	39.636	30.46	47.726	53.363	51.579
24	1.019	0.979	0.996	0.986	1.027	38.501	32.273	49.998	54.997	53.666
25	0.994	0.984	1.033	1.005	1.042	42.063	30.012	48.474	55.291	52.988
26	1.006	0.97	1.002	1.016	1.064	45.639	29.781	47.875	53.635	51.189
27	0.992	0.985	1.009	0.98	1.016	41.302	27.15	52.009	53.734	50.451
28	1.009	0.978	1.038	0.981	1.051	41.963	25.861	51.552	55.127	53.281
29	1.012	1.012	0.996	0.979	1.057	42.795	29.535	48.87	53.098	49.525
30	0.998	0.952	1.017	1.005	1.054	40.726	35.309	47.454	54.451	51.595

Parameter	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17,18	19-20,21	22-23,24	2-3	5-6	8-9	11-12	14-15	17-18	20-21
Unit	nH	nH	nH	nH	nH	nH	nH	nH	nH	nH
HighLimit	110	110	110	500	500	500	500	500	500	500
LowLimit										
Average =	59.30	42.94	51.37	180.94	115.63	207.68	206.26	186.96	102.00	208.85
STD DEV =	2.20	2.65	2.56	6.69	4.69	3.99	4.11	11.22	16.02	5.45
Cpu	7.67	8.45	7.63	15.90	27.34	24.41	23.81	9.30	8.28	17.80
Cpl										
Cpk	7.67	8.45	7.63	15.90	27.34	24.41	23.81	9.30	8.28	17.80
DATA	-	-	-	-	-	-	-	-	-	-
1	57.706	45.03	55.658	194.485	125.161	207.437	209.238	206.448	129.624	205.779
2	57.313	43.314	49.76	189.464	122.737	203.499	203.693	197.932	151.257	208.29
3	57.526	44.21	56.939	192.009	115.692	199.433	200.012	202.564	156.94	215.864
4	55.724	45.664	47.812	181.666	123.078	203.508	210.361	205.31	100.637	214.509
5	60.644	44.608	51.517	187.78	118.08	218.352	214.805	207.329	103.012	207.346
6	57.676	51.528	52.401	188.875	124.12	213.328	201.229	204.07	90.318	210.141
7	60.885	43.196	51.389	188.78	114.207	209.629	207.207	204.297	102.085	204.792
8	58.641	44.921	48.647	183.819	110.562	208.021	209.954	182.688	98.759	208.015
9	60.754	42.863	50.673	190.429	117.253	208.391	209.823	196.136	104.563	208.312
10	59.815	43.429	48.337	188.056	111.088	206.012	206.65	189.304	95.395	203.427
11	57.667	40.292	53.034	178.368	105.694	202.615	200.716	189.872	94.558	201.168
12	60.429	45.454	50.533	181.052	110.242	203.986	208.87	192.126	104.521	199.8
13	58.157	39.753	53.662	182.169	115.927	208.404	207.646	191.517	99.262	207.591
14	64.843	40.057	53.522	181.566	116.424	206.307	202.089	173.268	103.298	199.621
15	58.775	42.558	50.157	184.288	114.633	203.819	201.242	185.811	96.24	202.952
16	61.928	38.719	55.733	181.415	116.034	209.936	211.13	178.483	94.304	209.182
17	56.014	41.145	53.227	172.495	110.629	203.835	205.409	184.843	87.928	206.098
18	58.849	40.439	48.452	176.888	113.1	212.718	202.771	168.988	98.597	208.527
19	62.821	41.811	53.633	173.593	120.063	204.491	204.727	171.302	98.333	207.411
20	60.554	41.506	49.563	178.867	115.308	213.421	210.62	182.532	95.77	207.209
21	58.25	46.35	54.983	181.77	114.772	206.337	204.033	182.442	103.239	211.966
22	59.266	40.286	51.082	181.488	110.344	209.981	211.891	174.823	98.919	203.684
23	61.14	42.878	52.088	175.838	108.142	210.636	203.332	177.143	101.976	205.967
24	55.308	43.64	52.01	170.441	113.007	206.159	204.695	179.939	92.941	211.258
25	56.268	40.952	50.53	172.724	119.156	203.989	207.14	176.769	98.941	216.713
26	61.003	45.661	52.161	177.534	121.291	205.289	203.033	184.438	103.746	213.259
27	61.192	40.646	48.898	170.331	116.632	207.703	208.035	177.941	89.406	217.041
28	58.919	44.614	50.437	173.144	112.134	211.318	206.849	177.141	87.011	214.721
29	62.282	43.381	47.678	173.228	116.384	212.482	198.052	183.788	94.645	224.322
30	58.739	39.152	46.5	175.599	117.115	209.501	212.622	179.442	83.92	210.453

Parameter	LL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-24	2-3	5-6	8-9	11-12	14-15	17-18	20-21	23-24	47-46
Unit	nH	uH	uH	uH	uH	uH	uH	uH	uH	*1
HighLimit	500									1.02
LowLimit		120	120	120	120	120	120	120	120	0.98
Average =	191.69	301.15	302.81	283.63	300.45	287.91	278.84	292.74	290.10	1.00
STD DEV =	6.95	12.97	15.09	14.53	14.55	13.40	14.16	15.78	14.17	0.00
Cpu	14.78									37.08
Cpl		4.66	4.04	3.75	4.13	4.18	3.74	3.65	4.00	37.20
Cpk	14.78	4.66	4.04	3.75	4.13	4.18	3.74	3.65	4.00	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	210.413	312.255	303.104	265.213	317.586	267.297	299.899	273.445	283.172	1
2	203.595	307.972	314.255	268.419	309.664	283.537	284.283	315.378	285.75	1
3	200.094	308.675	278.024	275.5	275.65	298.363	267.768	284.098	303.498	1
4	190.235	301.372	306.214	298.265	316.275	290.775	274.043	291.683	292.439	1
5	204.551	288.34	291.751	268.506	317.925	301.465	273.07	281.301	278.789	1
6	187.35	332.694	312.952	312.879	292.662	288.101	259.348	263.009	297.514	1
7	201.11	293.192	320.005	301.54	304.37	285.049	272.897	295.144	281.653	1
8	190.285	290.684	289.371	304.563	258.508	295.116	296.78	299.543	306.782	1
9	187.898	316.032	321.557	281.992	297.022	301.461	279.353	300.504	299.011	1
10	189.874	313.456	326.811	289.921	296.128	288.629	276.962	294.359	292.903	1
11	183.945	314.447	292.509	284.607	315.566	287.24	269.086	260.093	301.05	1
12	190.99	271.318	301.078	284.823	317.783	298.666	294.734	291.87	288.242	1
13	192.046	293.079	320.373	273.841	297.734	293.029	292.787	284.924	267.059	1
14	197.461	304.737	316.654	285.919	308.823	284.793	283.497	263.008	272.01	1
15	188.956	310.784	316.11	276.841	291.986	260.917	254.864	310.51	286.034	1
16	189.262	286.632	293.584	307.439	290.968	271.517	273.416	315.1	272.469	1.001
17	187.257	283.316	267.797	279.855	298.444	304.949	241.246	295.014	291.482	1
18	182.234	313.037	310.477	284.124	312.054	258.178	300.661	273.854	308.633	1
19	186.45	315.064	301.537	287.8	305.684	290.086	273.856	316.586	273.997	1
20	184.697	289.419	282.197	268.584	305.398	295.378	273.382	298.104	278.222	1
21	195.319	302.203	273.607	264.946	302.026	291.596	272.922	282.773	278.577	1
22	193.855	282.291	306.741	294.938	309.709	304.056	268.467	304.507	306.877	1
23	190.8	298.619	305.751	284.738	302.46	271.83	279.859	309.395	250.781	1
24	182.685	307.042	317.062	295.624	290.048	295.261	299.079	294.625	306.312	1
25	193.372	306.929	280.421	263.959	287.779	256.68	303.346	297.098	295.487	1
26	190.981	296.631	306.412	259.962	266.317	296.749	285.505	274.434	306.178	1
27	180.648	315.327	318.379	258.435	316.522	284.499	272.496	288.233	307.959	1
28	184.616	292.547	304.811	298.309	306.156	296.311	290.34	305.016	290.351	1
29	196.35	296.686	299.086	293.826	292.126	291.202	283.457	310.835	293.781	1
30	193.497	289.761	305.611	293.578	310.167	304.692	267.926	307.74	305.924	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	2-3	44-43	5-6	41-40	8-9	38-37	11-12	35-34	14-15	32-31
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	35.34	26.64	26.64	37.08	26.64	37.08	21.22	37.08	35.34	37.08
Cpl	38.93	26.82	26.82	37.20	26.82	37.20	23.22	37.20	38.93	37.20
Cpk	35.34	26.64	26.64	37.08	26.64	37.08	21.22	37.08	35.34	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1	1	1	1	1	1	1.001	1
2	1.001	1	1	1	1.001	1	1.001	1	1.001	1
3	1.001	1	1	1	1	1	1.001	1	1.001	1
4	1.001	1	1	1	1	1	1.001	1	1.001	1
5	1.001	1	1	1	1	1	1.001	1	1.001	1
6	1.001	1	1	1	1	1	1.001	1	1.001	1
7	1.001	1	1.001	1	1	1	1.001	1	1.001	1
8	1.001	1	1	1	1	1	1.001	1	1.001	1
9	1.001	1	1	1.001	1	1	1.001	1	1.001	1
10	1.001	1	1	1	1	1	1.001	1	1.001	1
11	1.001	1	1	1	1	1	1.001	1.001	1.001	1
12	1.001	1.001	1	1	1	1	1	1	1.001	1
13	1.001	1	1	1	1	1	1.001	1	1.001	1
14	1.001	1	1	1	1	1.001	1.001	1	1.001	1
15	1.001	1	1	1	1	1	1.001	1	1	1
16	1.001	1	1	1	1	1	1.001	1	1.001	1
17	1.001	1	1	1	1	1	1.001	1	1.001	1
18	1.001	1	1	1	1	1	1	1	1.001	1
19	1.001	1	1	1	1	1	1.001	1	1.001	1
20	1.001	1	1	1	1	1	1.001	1	1.001	1.001
21	1.001	1	1	1	1.001	1	1.001	1	1.001	1
22	1.001	1	1.001	1	1	1	1.001	1	1.001	1
23	1.001	1.001	1	1	1	1	1.001	1	1.001	1
24	1	1	1	1	1	1	1.001	1	1.001	1
25	1.001	1	1	1	1	1	1.001	1	1.001	1
26	1.001	1	1	1	1	1	1.001	1	1.001	1
27	1.001	1	1	1	1	1	1.001	1	1.001	1
28	1.001	1	1	1	1	1	1.001	1	1.001	1
29	1.001	1	1	1	1	1	1.001	1	1.001	1
30	1.001	1	1	1	1	1	1.001	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	29-28	20-21	26-25	23-24	2-1	1-3	5-4	4-6	8-7
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	25.48	37.08	21.22	37.08	37.08	37.20	27.97	37.20	38.93	37.20
Cpl	27.97	37.20	23.22	37.20	37.20	37.08	25.48	37.08	35.34	37.08
Cpk	25.48	37.08	21.22	37.08	37.08	37.08	25.48	37.08	35.34	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	1	1	0.999	1	0.999	1
2	1.001	1	1.001	1	1	1	0.999	1	0.999	1
3	1.001	1	1.001	1	1	1	0.999	1	0.999	1
4	1.001	1	1.001	1	1	1	0.999	1	0.999	1
5	1.001	1	1.001	1	1	1	0.999	1	0.999	1
6	1.001	1	1.001	1	1	0.999	0.999	1	0.999	1
7	1	1	1.001	1	1.001	1	0.999	1	1	1
8	1.001	1	1	1	1	1	0.999	1	0.999	1
9	1.001	1	1.001	1	1	1	0.999	1	0.999	1
10	1.001	1	1	1	1	1	0.999	1	0.999	1
11	1.001	1.001	1.001	1	1	1	0.999	0.999	0.999	1
12	1.001	1	1.001	1	1	1	0.999	1	0.999	1
13	1.001	1	1.001	1	1	1	0.999	1	0.999	1
14	1.001	1	1.001	1	1	1	0.999	1	0.999	1
15	1.001	1	1.001	1	1	1	0.999	1	0.999	1
16	1.001	1	1	1	1	1	1	1	0.999	1
17	1.001	1	1.001	1.001	1	1	0.999	1	0.999	1
18	1.001	1	1.001	1	1	1	0.999	1	0.999	1
19	1.001	1	1.001	1	1	1	0.999	1	0.999	1
20	1.001	1	1.001	1	1	1	0.999	1	0.999	1
21	1.001	1	1.001	1	1	1	0.999	1	0.999	1
22	1.001	1	1.001	1	1	1	0.999	1	0.999	1
23	1	1	1.001	1	1	1	0.999	1	0.999	1
24	1.001	1	1.001	1	1	1	0.999	1	0.999	1
25	1.001	1	1.001	1	1	1	0.999	1	0.999	1
26	1.001	1	1.001	1	1	1	0.999	1	0.999	1
27	1.001	1	1.001	1	1	1	0.999	1	0.999	0.999
28	1.001	1	1.001	1	1	1	1	1	0.999	1
29	1.001	1	1.001	1	1	1	0.999	1	0.999	1
30	1.001	1	1.001	1	1	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	7-9	11-10	10-12	14-13	13-15	17-16	16-18	20-19	19-21	23-22
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	38.93	37.20	38.93	26.82	38.93	26.82	38.93	37.20	38.93	26.82
Cpl	35.34	37.08	35.34	26.64	35.34	26.64	35.34	37.08	35.34	26.64
Cpk	35.34	37.08	35.34	26.64	35.34	26.64	35.34	37.08	35.34	26.64
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
2	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
3	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
4	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
5	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
6	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
7	0.999	1	0.999	1	0.999	1	0.999	1	0.999	0.999
8	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
9	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
10	0.999	1	0.999	0.999	0.999	1	0.999	1	0.999	1
11	0.999	1	0.999	1	0.999	1	0.999	0.999	0.999	1
12	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
13	0.999	0.999	0.999	1	0.999	0.999	0.999	1	0.999	1
14	0.999	1	0.999	1	0.999	1	1	1	0.999	1
15	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
16	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
17	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
18	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
19	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
20	0.999	1	0.999	0.999	0.999	1	0.999	1	0.999	1
21	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
22	1	1	0.999	1	0.999	0.999	0.999	1	0.999	1
23	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
24	0.999	1	0.999	1	0.999	1	0.999	1	1	1
25	0.999	1	1	1	1	1	0.999	1	0.999	1
26	0.999	1	0.999	1	0.999	1	0.999	1	0.999	0.999
27	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
28	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
29	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
30	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	22-24	26-27	27-25	29-30	30-28	32-33	33-31	35-36	36-34	38-39
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	14.27	37.20	25.82	37.20	38.93	37.20	38.93	37.20	26.82	37.20
Cpl	13.40	37.08	25.82	37.08	35.34	37.08	35.34	37.08	26.64	37.08
Cpk	13.40	37.08	25.82	37.08	35.34	37.08	35.34	37.08	26.64	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	1	1	0.999	1	0.999	1	1	1
2	1	1	1.001	1	0.999	1	0.999	1	1	1
3	0.999	1	1	1	0.999	1	0.999	1	1	1
4	0.999	1	1	1	0.999	1	0.999	1	1	1
5	0.999	1	1	1	0.999	1	0.999	1	1	1
6	1	1	1	1	0.999	1	0.999	1	1	1
7	1	1	1	1	0.999	1	0.999	1	1	1
8	0.999	1	1	1	0.999	1	0.999	1	1	1
9	1	1	1	1	0.999	1	1	1	1	1
10	0.999	1	1	1	0.999	1	0.999	1	0.999	1
11	0.999	0.999	1	1	0.999	1	0.999	1	1	1
12	0.999	1	1	1	0.999	1	0.999	1	1	0.999
13	0.999	1	1	0.999	0.999	1	0.999	1	1	1
14	1	1	1	1	0.999	1	0.999	1	1	1
15	0.999	1	1	1	0.999	1	0.999	1	1	1
16	0.999	1	1	1	0.999	1	0.999	1	1	1
17	0.999	1	1	1	0.999	1	0.999	0.999	1	1
18	1	1	1	1	0.999	0.999	0.999	1	1	1
19	0.999	1	1	1	0.999	1	0.999	1	1	1
20	1	1	1	1	0.999	1	0.999	1	1	1
21	1	1	1	1	1	1	0.999	1	1	1
22	1	1	1	1	0.999	1	0.999	1	1	1
23	1	1	1	1	0.999	1	0.999	1	1	1
24	0.999	1	0.999	1	0.999	1	0.999	1	1	1
25	1	1	1	1	0.999	1	0.999	1	1	1
26	0.999	1	1	1	0.999	1	0.999	1	1	1
27	0.999	1	1	1	0.999	1	0.999	1	0.999	1
28	0.999	1	1	1	0.999	1	0.999	1	1	1
29	0.999	1	1	1	0.999	1	0.999	1	1	1
30	0.999	1	1	1	0.999	1	0.999	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1
Condition:	normal	normal	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ
Pins	39-37	41-42	42-40	44-45	45-43	47-48	48-46			
Unit	*1	*1	*1	*1	*1	*1	*1	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02			
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	-1.1	-0.5	-0.8
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-0.07	-0.13	-0.17
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.05
Cpu	16.37	37.20	27.97	37.20	27.97	37.20	27.97			
Cpl	15.16	37.08	25.48	37.08	25.48	37.08	25.48	10.33	3.36	4.34
Cpk	15.16	37.08	25.48	37.08	25.48	37.08	25.48	10.33	3.36	4.34
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	0.999	1	0.999	1	0.999	-0.037	-0.087	-0.112
2	1	1	0.999	1	0.999	1	0.999	-0.061	-0.108	-0.148
3	0.999	1	0.999	1	0.999	1	0.999	-0.05	-0.111	-0.123
4	0.999	1	0.999	1	0.999	1	0.999	-0.058	-0.127	-0.149
5	1	1	0.999	1	0.999	1	0.999	-0.071	-0.136	-0.171
6	0.999	1	0.999	1	0.999	1	0.999	-0.034	-0.083	-0.109
7	0.999	1	1	1	0.999	1	0.999	-0.06	-0.114	-0.139
8	0.999	1	0.999	1	0.999	0.999	0.999	-0.034	-0.071	-0.096
9	0.999	1	0.999	1	0.999	1	0.999	-0.037	-0.085	-0.118
10	0.999	1	0.999	1	0.999	1	0.999	-0.043	-0.102	-0.132
11	0.999	1	0.999	1	0.999	1	0.999	-0.046	-0.099	-0.136
12	0.999	0.999	0.999	1	0.999	1	0.999	-0.173	-0.223	-0.295
13	0.999	1	0.999	1	0.999	1	0.999	-0.121	-0.186	-0.234
14	1	1	0.999	1	0.999	1	0.999	-0.089	-0.148	-0.195
15	0.999	1	0.999	1	0.999	1	0.999	-0.047	-0.107	-0.126
16	0.999	1	0.999	1	0.999	1	1	-0.089	-0.146	-0.197
17	0.999	1	0.999	0.999	0.999	1	0.999	-0.107	-0.183	-0.236
18	1	1	0.999	1	0.999	1	0.999	-0.052	-0.099	-0.124
19	0.999	1	0.999	1	0.999	1	0.999	-0.093	-0.136	-0.189
20	0.999	1	0.999	1	0.999	1	0.999	-0.114	-0.185	-0.251
21	0.999	1	0.999	1	0.999	1	0.999	-0.102	-0.157	-0.211
22	0.999	1	0.999	1	0.999	1	0.999	-0.061	-0.12	-0.156
23	0.999	1	0.999	1	0.999	1	0.999	-0.091	-0.153	-0.21
24	0.999	1	0.999	1	0.999	1	0.999	-0.072	-0.129	-0.175
25	1	1	0.999	1	1	1	1	-0.041	-0.101	-0.14
26	1	1	0.999	1	0.999	1	0.999	-0.066	-0.128	-0.151
27	0.999	1	0.999	1	0.999	1	0.999	-0.139	-0.199	-0.238
28	1	1	0.999	1	0.999	1	0.999	-0.09	-0.147	-0.18
29	0.999	1	1	1	1	1	0.999	-0.059	-0.136	-0.185
30	0.999	1	0.999	1	0.999	1	0.999	-0.086	-0.155	-0.215

Parameter	CH1 IL-1	CH1 IL-1	CH1 IL-1 Phase	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2 Phase	CH1 IL-3
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.28	-0.53	-22.07	-0.14	-0.20	-0.26	-0.39	-0.63	-23.58	-0.05
STD DEV =	0.06	0.06	0.45	0.07	0.07	0.09	0.11	0.12	0.42	0.04
Cpu										
Cpl	4.25	7.70	28.11	4.89	1.42	2.00	1.91	3.90	29.00	9.39
Cpk	4.25	7.70	28.11	4.89	1.42	2.00	1.91	3.90	29.00	9.39
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.209	-0.464	-21.259	-0.146	-0.213	-0.298	-0.426	-0.653	-23.374	-0.031
2	-0.244	-0.488	-22.261	-0.056	-0.115	-0.152	-0.265	-0.497	-23.378	-0.025
3	-0.226	-0.491	-22.165	-0.073	-0.127	-0.159	-0.266	-0.513	-23.492	-0.031
4	-0.24	-0.448	-21.778	-0.07	-0.132	-0.163	-0.278	-0.54	-23.768	-0.07
5	-0.276	-0.501	-21.575	-0.166	-0.234	-0.306	-0.457	-0.723	-24.439	-0.048
6	-0.229	-0.523	-22.548	-0.12	-0.176	-0.22	-0.347	-0.588	-23.493	-0.028
7	-0.26	-0.521	-22.416	-0.113	-0.172	-0.216	-0.349	-0.598	-23.739	-0.026
8	-0.18	-0.433	-21.403	-0.165	-0.232	-0.317	-0.457	-0.704	-23.748	-0.025
9	-0.225	-0.481	-22.185	-0.135	-0.193	-0.239	-0.355	-0.572	-22.981	-0.026
10	-0.22	-0.419	-21.43	-0.152	-0.222	-0.283	-0.381	-0.574	-22.909	-0.022
11	-0.261	-0.535	-22.056	-0.115	-0.188	-0.243	-0.364	-0.575	-23.61	-0.028
12	-0.411	-0.679	-22.536	-0.099	-0.155	-0.207	-0.328	-0.582	-23.482	-0.03
13	-0.341	-0.576	-21.416	-0.206	-0.27	-0.347	-0.493	-0.746	-23.565	-0.038
14	-0.306	-0.562	-21.964	-0.182	-0.231	-0.293	-0.419	-0.663	-23.382	-0.024
15	-0.228	-0.468	-22.201	-0.321	-0.404	-0.507	-0.672	-0.918	-23.734	-0.026
16	-0.307	-0.538	-21.623	-0.135	-0.191	-0.249	-0.391	-0.661	-24.315	-0.06
17	-0.358	-0.624	-22.624	-0.273	-0.337	-0.426	-0.603	-0.903	-24.802	-0.143
18	-0.221	-0.457	-22.013	-0.191	-0.255	-0.32	-0.446	-0.657	-23.123	-0.033
19	-0.306	-0.567	-22.172	-0.165	-0.241	-0.304	-0.44	-0.667	-23.406	-0.024
20	-0.398	-0.668	-22.697	-0.115	-0.187	-0.245	-0.363	-0.58	-23.654	-0.038
21	-0.315	-0.539	-21.897	-0.078	-0.132	-0.167	-0.256	-0.46	-22.873	-0.03
22	-0.285	-0.536	-22.183	-0.059	-0.121	-0.148	-0.222	-0.419	-23.398	-0.037
23	-0.311	-0.528	-21.847	-0.12	-0.169	-0.228	-0.354	-0.6	-23.611	-0.114
24	-0.295	-0.54	-22.026	-0.187	-0.252	-0.334	-0.461	-0.688	-23.575	-0.162
25	-0.245	-0.493	-21.761	-0.269	-0.335	-0.433	-0.582	-0.815	-23.588	-0.034
26	-0.247	-0.475	-21.458	-0.114	-0.177	-0.224	-0.335	-0.565	-23.272	-0.023
27	-0.346	-0.593	-23.001	-0.059	-0.117	-0.148	-0.246	-0.475	-23.224	-0.03
28	-0.322	-0.597	-22.561	-0.044	-0.098	-0.129	-0.244	-0.493	-23.406	-0.018
29	-0.3	-0.567	-22.473	-0.119	-0.194	-0.251	-0.395	-0.678	-24.13	-0.12
30	-0.344	-0.592	-22.7	-0.142	-0.231	-0.312	-0.444	-0.701	-23.866	-0.014

Parameter	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3 Phase	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2
Average =	-0.08	-0.08	-0.15	-0.33	-19.25	-0.04	-0.08	-0.10	-0.20	-0.39
STD DEV =	0.04	0.06	0.07	0.08	0.49	0.02	0.02	0.03	0.03	0.03
Cpu										
Cpl	3.24	4.23	4.21	7.12	27.61	16.33	6.73	9.03	9.92	16.00
Cpk	3.24	4.23	4.21	7.12	27.61	16.33	6.73	9.03	9.92	16.00
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.06	-0.067	-0.115	-0.264	-18.569	-0.086	-0.122	-0.156	-0.25	-0.434
2	-0.054	-0.047	-0.105	-0.298	-19.797	-0.026	-0.063	-0.072	-0.169	-0.382
3	-0.053	-0.067	-0.109	-0.286	-19.197	-0.047	-0.106	-0.131	-0.21	-0.394
4	-0.106	-0.117	-0.182	-0.343	-19.103	-0.068	-0.115	-0.144	-0.248	-0.438
5	-0.083	-0.084	-0.158	-0.326	-18.896	-0.052	-0.093	-0.124	-0.215	-0.413
6	-0.058	-0.057	-0.11	-0.276	-19.054	-0.046	-0.095	-0.108	-0.186	-0.369
7	-0.064	-0.068	-0.153	-0.332	-19.523	-0.03	-0.077	-0.086	-0.198	-0.43
8	-0.045	-0.041	-0.103	-0.282	-18.782	-0.055	-0.1	-0.118	-0.204	-0.384
9	-0.051	-0.055	-0.1	-0.277	-18.931	-0.03	-0.071	-0.093	-0.182	-0.365
10	-0.063	-0.075	-0.11	-0.238	-18.696	-0.02	-0.075	-0.093	-0.159	-0.337
11	-0.06	-0.063	-0.109	-0.287	-19.17	-0.05	-0.086	-0.114	-0.212	-0.435
12	-0.055	-0.061	-0.117	-0.306	-19.225	-0.026	-0.075	-0.08	-0.191	-0.406
13	-0.052	-0.054	-0.099	-0.274	-18.727	-0.028	-0.071	-0.101	-0.199	-0.389
14	-0.051	-0.04	-0.107	-0.32	-19.239	-0.04	-0.079	-0.103	-0.191	-0.394
15	-0.064	-0.049	-0.103	-0.27	-19.142	-0.053	-0.098	-0.122	-0.217	-0.402
16	-0.095	-0.112	-0.181	-0.356	-19.045	-0.023	-0.075	-0.089	-0.179	-0.375
17	-0.189	-0.226	-0.31	-0.526	-19.893	-0.116	-0.154	-0.184	-0.286	-0.489
18	-0.053	-0.052	-0.135	-0.362	-20.079	-0.023	-0.065	-0.086	-0.196	-0.418
19	-0.058	-0.072	-0.118	-0.27	-18.377	-0.052	-0.095	-0.121	-0.181	-0.342
20	-0.069	-0.088	-0.151	-0.319	-19.246	-0.028	-0.073	-0.102	-0.171	-0.335
21	-0.062	-0.057	-0.126	-0.327	-19.569	-0.026	-0.065	-0.091	-0.177	-0.366
22	-0.063	-0.069	-0.149	-0.347	-20.077	-0.033	-0.076	-0.09	-0.166	-0.34
23	-0.158	-0.19	-0.254	-0.412	-19.072	-0.027	-0.067	-0.082	-0.187	-0.398
24	-0.203	-0.252	-0.362	-0.584	-20.343	-0.057	-0.094	-0.117	-0.199	-0.377
25	-0.071	-0.064	-0.121	-0.29	-19.026	-0.053	-0.082	-0.104	-0.205	-0.419
26	-0.052	-0.065	-0.123	-0.292	-18.916	-0.019	-0.058	-0.072	-0.169	-0.383
27	-0.069	-0.067	-0.132	-0.327	-18.947	-0.025	-0.054	-0.065	-0.17	-0.393
28	-0.045	-0.028	-0.102	-0.293	-18.838	-0.024	-0.074	-0.087	-0.184	-0.399
29	-0.179	-0.208	-0.302	-0.503	-19.977	-0.025	-0.077	-0.102	-0.179	-0.368
30	-0.051	-0.049	-0.112	-0.309	-19.92	-0.015	-0.075	-0.083	-0.191	-0.402

Parameter	CH1 IL-4 Phase	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5 Phase	CH1 IL-6	CH1 IL-6	CH1 IL-6
Condition:	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8
Average =	-22.52	-0.08	-0.13	-0.15	-0.21	-0.36	-19.83	-0.09	-0.15	-0.20
STD DEV =	0.40	0.08	0.09	0.12	0.14	0.16	0.53	0.06	0.06	0.08
Cpu										
Cpl	31.05	4.44	1.39	1.82	1.82	3.43	25.35	5.69	1.81	2.49
Cpk	31.05	4.44	1.39	1.82	1.82	3.43	25.35	5.69	1.81	2.49
DATA	-	-	-	-	-	-	-	-	-	-
1	-22.066	-0.074	-0.108	-0.114	-0.167	-0.299	-19.443	-0.05	-0.121	-0.175
2	-22.778	-0.027	-0.057	-0.086	-0.124	-0.254	-19.28	-0.033	-0.087	-0.132
3	-22.298	-0.061	-0.09	-0.115	-0.157	-0.329	-20.159	-0.05	-0.097	-0.13
4	-22.643	-0.034	-0.07	-0.075	-0.111	-0.237	-19.528	-0.041	-0.107	-0.124
5	-22.575	-0.077	-0.122	-0.147	-0.195	-0.346	-19.744	-0.091	-0.162	-0.216
6	-22.36	-0.081	-0.124	-0.142	-0.2	-0.387	-20.539	-0.058	-0.124	-0.14
7	-23.198	-0.033	-0.08	-0.099	-0.154	-0.283	-19.778	-0.057	-0.119	-0.16
8	-22.015	-0.076	-0.108	-0.132	-0.175	-0.308	-19.106	-0.055	-0.102	-0.126
9	-22.683	-0.055	-0.086	-0.102	-0.159	-0.325	-20.027	-0.039	-0.095	-0.128
10	-22.175	-0.028	-0.058	-0.078	-0.104	-0.237	-19.393	-0.06	-0.113	-0.15
11	-22.833	-0.066	-0.103	-0.128	-0.176	-0.318	-19.549	-0.069	-0.125	-0.167
12	-22.99	-0.167	-0.221	-0.271	-0.343	-0.499	-20.11	-0.291	-0.364	-0.466
13	-22.678	-0.041	-0.081	-0.097	-0.15	-0.322	-20.14	-0.064	-0.121	-0.159
14	-22.667	-0.081	-0.123	-0.13	-0.191	-0.345	-19.909	-0.055	-0.125	-0.153
15	-22.382	-0.038	-0.069	-0.07	-0.124	-0.268	-19.532	-0.061	-0.117	-0.144
16	-22.814	-0.055	-0.086	-0.107	-0.12	-0.258	-19.137	-0.068	-0.11	-0.141
17	-22.387	-0.139	-0.18	-0.224	-0.306	-0.493	-20.285	-0.165	-0.22	-0.272
18	-23.257	-0.035	-0.074	-0.085	-0.112	-0.26	-20.13	-0.059	-0.117	-0.143
19	-21.82	-0.383	-0.484	-0.63	-0.781	-0.961	-20.869	-0.19	-0.259	-0.319
20	-22.275	-0.057	-0.11	-0.137	-0.185	-0.311	-19.442	-0.144	-0.2	-0.258
21	-22.89	-0.052	-0.087	-0.116	-0.163	-0.309	-19.392	-0.101	-0.155	-0.203
22	-21.658	-0.025	-0.068	-0.075	-0.129	-0.281	-20.498	-0.058	-0.132	-0.156
23	-22.853	-0.074	-0.105	-0.123	-0.185	-0.349	-19.733	-0.076	-0.15	-0.192
24	-21.913	-0.151	-0.197	-0.243	-0.312	-0.437	-19.503	-0.182	-0.257	-0.337
25	-22.192	-0.122	-0.167	-0.209	-0.282	-0.434	-19.797	-0.099	-0.159	-0.198
26	-22.525	-0.037	-0.072	-0.074	-0.112	-0.245	-19.324	-0.162	-0.235	-0.285
27	-22.444	-0.114	-0.169	-0.192	-0.261	-0.427	-20.405	-0.049	-0.1	-0.132
28	-23.107	-0.043	-0.077	-0.076	-0.126	-0.264	-19.464	-0.067	-0.126	-0.159
29	-22.234	-0.271	-0.348	-0.46	-0.604	-0.827	-21.392	-0.175	-0.26	-0.336
30	-22.906	-0.025	-0.079	-0.106	-0.147	-0.283	-19.409	-0.059	-0.143	-0.17

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6 Phase	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7 Phase	CH1 IL-8
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.27	-0.43	-23.29	-0.05	-0.11	-0.14	-0.22	-0.40	-20.52	-0.09
STD DEV =	0.09	0.10	0.45	0.04	0.05	0.07	0.08	0.08	0.42	0.07
Cpu										
Cpl	2.63	5.10	26.95	8.06	2.56	3.21	3.29	6.43	31.54	4.88
Cpk	2.63	5.10	26.95	8.06	2.56	3.21	3.29	6.43	31.54	4.88
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.23	-0.361	-22.831	-0.03	-0.088	-0.111	-0.175	-0.342	-20.313	-0.036
2	-0.191	-0.356	-23.297	-0.045	-0.1	-0.132	-0.214	-0.383	-20.402	-0.031
3	-0.208	-0.42	-24.063	-0.055	-0.099	-0.131	-0.186	-0.356	-20.979	-0.037
4	-0.201	-0.368	-23.383	-0.037	-0.084	-0.107	-0.202	-0.427	-20.807	-0.044
5	-0.276	-0.401	-22.844	-0.038	-0.096	-0.139	-0.201	-0.373	-20.821	-0.117
6	-0.229	-0.412	-23.901	-0.034	-0.082	-0.121	-0.191	-0.369	-21.219	-0.056
7	-0.24	-0.401	-23.196	-0.027	-0.079	-0.102	-0.181	-0.365	-20.514	-0.047
8	-0.186	-0.375	-23.053	-0.028	-0.082	-0.11	-0.175	-0.36	-19.816	-0.053
9	-0.177	-0.315	-22.521	-0.096	-0.157	-0.2	-0.287	-0.437	-20.24	-0.074
10	-0.198	-0.332	-22.648	-0.043	-0.096	-0.151	-0.205	-0.373	-20.358	-0.075
11	-0.23	-0.395	-22.965	-0.075	-0.131	-0.167	-0.24	-0.429	-20.35	-0.165
12	-0.577	-0.773	-23.807	-0.03	-0.08	-0.129	-0.194	-0.376	-20.617	-0.089
13	-0.221	-0.364	-22.678	-0.033	-0.078	-0.111	-0.177	-0.371	-20.269	-0.036
14	-0.21	-0.355	-23.191	-0.035	-0.089	-0.109	-0.177	-0.363	-19.942	-0.057
15	-0.191	-0.356	-23.429	-0.057	-0.109	-0.147	-0.209	-0.382	-20.095	-0.062
16	-0.221	-0.437	-23.591	-0.03	-0.078	-0.111	-0.193	-0.371	-20.405	-0.047
17	-0.353	-0.522	-22.646	-0.043	-0.093	-0.125	-0.188	-0.369	-20.487	-0.141
18	-0.226	-0.421	-23.835	-0.055	-0.102	-0.133	-0.196	-0.365	-20.184	-0.055
19	-0.398	-0.572	-23.863	-0.062	-0.114	-0.151	-0.231	-0.444	-21.234	-0.077
20	-0.333	-0.504	-23.447	-0.032	-0.088	-0.13	-0.202	-0.383	-20.591	-0.113
21	-0.279	-0.448	-23.434	-0.053	-0.102	-0.129	-0.183	-0.344	-19.946	-0.038
22	-0.229	-0.381	-23.792	-0.032	-0.082	-0.108	-0.218	-0.459	-21.308	-0.049
23	-0.245	-0.389	-22.513	-0.034	-0.086	-0.109	-0.186	-0.403	-20.773	-0.084
24	-0.44	-0.614	-23.93	-0.142	-0.197	-0.253	-0.342	-0.516	-20.808	-0.362
25	-0.269	-0.434	-23.079	-0.025	-0.081	-0.117	-0.199	-0.385	-20.275	-0.205
26	-0.372	-0.545	-23.845	-0.049	-0.109	-0.145	-0.206	-0.384	-20.083	-0.076
27	-0.194	-0.354	-23.075	-0.04	-0.085	-0.11	-0.203	-0.427	-20.928	-0.19
28	-0.229	-0.369	-23.08	-0.036	-0.084	-0.124	-0.198	-0.374	-19.979	-0.07
29	-0.439	-0.634	-23.538	-0.248	-0.348	-0.473	-0.605	-0.802	-21.313	-0.159
30	-0.225	-0.39	-23.355	-0.027	-0.096	-0.141	-0.211	-0.388	-20.49	-0.133

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8 Phase	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-63	-39	-34	-30	-63
LowLimit	-0.5	-0.8	-1	-2	-60					
Average =	-0.18	-0.24	-0.33	-0.54	-24.00	-90.57	-70.53	-64.09	-59.20	-88.85
STD DEV =	0.07	0.10	0.11	0.12	0.60	6.28	4.97	5.30	4.40	4.66
Cpu						1.46	2.11	1.89	2.21	1.85
Cpl	1.45	1.94	1.97	4.12	19.85					
Cpk	1.45	1.94	1.97	4.12	19.85	1.46	2.11	1.89	2.21	1.85
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.121	-0.172	-0.232	-0.412	-23.166	-84.628	-70.433	-64.775	-60.207	-92.872
2	-0.11	-0.171	-0.243	-0.449	-23.722	-90.198	-68.58	-64.395	-59.548	-84.547
3	-0.122	-0.167	-0.249	-0.468	-23.962	-83.681	-67.276	-57.537	-53.457	-88.479
4	-0.118	-0.162	-0.25	-0.493	-24.217	-94.345	-67.514	-64.254	-58.983	-88.961
5	-0.208	-0.274	-0.34	-0.513	-23.519	-85.291	-68.041	-62.476	-57.284	-85.419
6	-0.127	-0.185	-0.289	-0.522	-24.787	-84.268	-70.483	-62.056	-57.773	-91.865
7	-0.127	-0.175	-0.24	-0.446	-23.163	-85.485	-84.945	-70.619	-68.228	-82.499
8	-0.138	-0.195	-0.27	-0.497	-24.382	-89.462	-71.122	-63.657	-60.745	-100.093
9	-0.162	-0.222	-0.309	-0.531	-24.685	-102.022	-74.828	-66.949	-61.64	-87.289
10	-0.175	-0.247	-0.301	-0.473	-23.461	-94.014	-66.847	-59.535	-54.89	-91.117
11	-0.248	-0.32	-0.39	-0.578	-23.636	-86.634	-65.355	-61.495	-57.554	-91.166
12	-0.156	-0.215	-0.282	-0.482	-23.656	-105.142	-77.138	-74.042	-65.13	-87.721
13	-0.117	-0.16	-0.219	-0.408	-23.739	-94.083	-67.182	-60.702	-55.738	-91.628
14	-0.148	-0.196	-0.246	-0.426	-23.239	-86.569	-75.788	-65.21	-61.341	-86.345
15	-0.135	-0.179	-0.275	-0.532	-24.522	-85.636	-71.078	-64.432	-59.973	-82.946
16	-0.136	-0.189	-0.255	-0.453	-23.434	-83.745	-75.036	-69.825	-66.011	-88.598
17	-0.222	-0.295	-0.37	-0.567	-23.258	-89.372	-68.333	-62.819	-58.136	-96.134
18	-0.127	-0.178	-0.302	-0.596	-25.33	-94.079	-65.218	-58.087	-54.283	-100.995
19	-0.162	-0.214	-0.288	-0.517	-24.219	-93.934	-68.717	-63.676	-59.31	-87.891
20	-0.198	-0.271	-0.356	-0.565	-24.04	-92.143	-66.903	-62.567	-58.343	-84.793
21	-0.129	-0.19	-0.262	-0.471	-24.124	-93.546	-65.277	-58.928	-54.341	-91.788
22	-0.134	-0.178	-0.268	-0.508	-24.662	-99.526	-85.526	-85.35	-74.424	-88.902
23	-0.169	-0.221	-0.302	-0.499	-23.634	-87.472	-68.53	-62.854	-57.706	-80.749
24	-0.459	-0.614	-0.784	-1.016	-25.32	-83.977	-67.15	-60.758	-56.539	-93.818
25	-0.304	-0.408	-0.529	-0.728	-24.052	-89.226	-71.421	-65.138	-58.324	-86.94
26	-0.159	-0.226	-0.321	-0.55	-23.826	-106.126	-67.713	-61.144	-56.949	-87.942
27	-0.277	-0.356	-0.438	-0.642	-23.238	-95.882	-70.296	-63.019	-58.646	-87.28
28	-0.16	-0.224	-0.315	-0.523	-24.769	-86.582	-66.718	-59.366	-53.425	-83.187
29	-0.267	-0.356	-0.464	-0.675	-23.807	-86.069	-70.643	-62.154	-58.486	-87.547
30	-0.248	-0.344	-0.463	-0.694	-24.499	-83.901	-71.822	-64.913	-58.513	-86.121

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-63	-39	-34	-30	-63	-39	-34
LowLimit										
Average =	-74.28	-68.25	-62.41	-89.55	-74.40	-69.77	-63.02	-89.75	-73.31	-68.52
STD DEV =	6.77	7.68	7.34	5.27	7.05	8.09	7.21	5.79	6.79	8.01
Cpu	1.74	1.49	1.47	1.68	1.67	1.47	1.53	1.54	1.68	1.44
Cpl										
Cpk	1.74	1.49	1.47	1.68	1.67	1.47	1.53	1.54	1.68	1.44
DATA	-	-	-	-	-	-	-	-	-	-
1	-71.195	-70.16	-61.716	-87.985	-78.993	-76.947	-70.168	-89.289	-80.381	-74.939
2	-75.743	-68.345	-61.343	-84.973	-64.708	-57.797	-52.671	-83.697	-70.862	-66.09
3	-73.73	-65.295	-58.997	-99.118	-76.928	-72.467	-68.806	-88.078	-73.51	-68.671
4	-84.268	-90.639	-79.007	-84.012	-64.779	-56.718	-51.22	-85.39	-70.059	-63.409
5	-69.413	-63.797	-57.705	-96.537	-77.594	-73.839	-66.522	-84.53	-71.232	-70.554
6	-65.194	-59.293	-53.69	-96.769	-73.14	-64.77	-59.126	-92.648	-82.064	-78.19
7	-62.54	-55.586	-49.957	-89.426	-84.953	-70.684	-65.653	-87.713	-75.316	-72.853
8	-78.544	-69.693	-68.13	-90.429	-76.433	-70.346	-62.678	-84.09	-68.491	-62.627
9	-77.537	-71.095	-66.319	-94.975	-72.369	-72.1	-70.482	-91.163	-81.042	-82.944
10	-83.267	-70.64	-71.349	-91.87	-81.748	-75.227	-63.062	-94.976	-86.668	-88.353
11	-74.846	-70.119	-62.832	-83.21	-76.573	-76.777	-78.748	-86.05	-83.904	-77.293
12	-72.495	-63.265	-58.707	-92.391	-62.563	-56.127	-51.191	-85.098	-75.309	-68.359
13	-75.655	-73.148	-63.897	-90.084	-65.311	-57.104	-51.733	-97.327	-64.814	-59.137
14	-71.027	-64.583	-58.236	-88.691	-76.717	-68.929	-61.534	-96.005	-65.14	-60.287
15	-72.648	-64.067	-58.712	-90.803	-84.642	-72.305	-67.872	-81.198	-72.79	-70.515
16	-65.865	-59.107	-54.153	-88.613	-60.906	-74.361	-63.858	-85.478	-71.472	-63.447
17	-84.187	-73.639	-66.178	-87.015	-77.015	-87.06	-68.415	-92.5	-65.764	-61.849
18	-65.958	-58.426	-53.099	-81.693	-76.294	-69.521	-64.374	-84.022	-66.781	-58.773
19	-76.94	-66.129	-59.878	-82.97	-79.348	-77.051	-74.862	-90.435	-62.373	-56.601
20	-63.806	-56.787	-51.298	-92.389	-66.372	-59.727	-54.265	-80.503	-74.541	-67.1
21	-75.508	-70.228	-65.813	-90.549	-79.467	-76.505	-70.969	-103.1	-80.148	-76.287
22	-78.89	-73.198	-67.712	-88.953	-67.603	-60.381	-54.552	-100.988	-86.672	-79.373
23	-82.465	-79.611	-81.792	-88.786	-69.763	-65.036	-58.28	-90.762	-65.924	-63.085
24	-75.792	-80.693	-67.607	-90.364	-84.257	-68.422	-62.268	-87.274	-72.751	-64.045
25	-88.492	-75.841	-68.415	-87.248	-85.425	-83.318	-70.476	-90.562	-71.356	-63.696
26	-82.252	-75.449	-67.655	-83.537	-71.197	-66.64	-59.016	-96.549	-65.752	-59.433
27	-64.482	-58.252	-54.129	-105.854	-76.082	-69.124	-63.269	-99.134	-74.74	-70.066
28	-68.833	-62.868	-57.741	-87.265	-80.91	-74.787	-65.029	-83.442	-82.868	-81.058
29	-78.521	-69.139	-64.112	-88.24	-75.813	-80.928	-66.68	-92.412	-66.71	-61.471
30	-68.428	-68.297	-62.25	-81.689	-64.207	-58.051	-52.874	-87.956	-69.866	-65.045

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-63	-39	-34	-30	-63	-39	-34	-30	-63
LowLimit										
Average =	-63.59	-88.38	-73.34	-67.85	-62.57	-90.76	-76.60	-68.86	-64.69	-88.04
STD DEV =	8.25	6.15	7.23	7.11	6.96	6.65	6.76	5.21	6.84	5.51
Cpu	1.36	1.38	1.58	1.59	1.56	1.39	1.85	2.23	1.69	1.51
Cpl										
Cpk	1.36	1.38	1.58	1.59	1.56	1.39	1.85	2.23	1.69	1.51
DATA	-	-	-	-	-	-	-	-	-	-
1	-69.106	-93.501	-65.724	-61.436	-58.23	-87.851	-74.6	-72.321	-66.3	-81.742
2	-58.921	-93.504	-73.749	-71.764	-70.691	-112.137	-84.821	-75.57	-70.41	-91.341
3	-62.147	-84.178	-72.595	-64.665	-60.931	-93.808	-65.77	-60.616	-54.862	-85.849
4	-58.865	-84.922	-92.059	-80.55	-62.292	-92.133	-64.504	-57.423	-53.36	-91.876
5	-64.802	-91.319	-74.614	-66.994	-59.251	-93.325	-73.054	-67.893	-60.665	-86.872
6	-71.118	-80.092	-54.66	-48.356	-43.851	-98.287	-65.96	-57.856	-51.986	-87.361
7	-64.118	-90.971	-74.19	-70.45	-60.979	-89.447	-80.302	-74.715	-70.395	-105.151
8	-58.622	-88.247	-80.764	-71.566	-65.425	-83.659	-73.013	-65.388	-60.753	-90.096
9	-85.997	-96.573	-73.517	-71.245	-68.696	-91.341	-76.247	-71.4	-69.15	-90.525
10	-73.23	-93.813	-69.53	-62.686	-59.129	-100.019	-76.283	-72.628	-69.953	-92.589
11	-74.687	-90.491	-67.114	-64.373	-59.732	-100.994	-78.172	-70.948	-67.969	-81.939
12	-61.862	-85.113	-75.739	-64.43	-61.685	-94.276	-82.903	-72.988	-70.334	-86.206
13	-54.406	-96.57	-67.534	-60.769	-57.924	-87.022	-69.498	-63.193	-57.982	-85.667
14	-55.727	-88.964	-72.298	-65.714	-61.936	-93.924	-82.538	-72.686	-67.231	-90.258
15	-63.401	-84.348	-80.668	-70.52	-68.138	-83.076	-68.545	-62.27	-57.501	-82.157
16	-58.923	-81.9	-73.985	-68.792	-68.147	-85.104	-86.888	-73.596	-84.07	-84.151
17	-56.239	-83.868	-77.005	-74.871	-60.016	-100.999	-90.033	-68.982	-64.697	-94.9
18	-54.112	-79.678	-61.743	-56.063	-52.345	-90.41	-84.923	-72.006	-71.854	-84.781
19	-51.974	-88.976	-85.567	-76.922	-66.804	-86.589	-67.443	-61.233	-56.907	-83.151
20	-67.952	-86.922	-72.244	-64.716	-62.039	-92.263	-71.42	-64.648	-59.311	-84.07
21	-70.978	-82.449	-59.792	-53.771	-48.344	-85.86	-80.161	-75.372	-67.75	-81.275
22	-82.415	-108.617	-68.538	-64.399	-59.601	-87.307	-75.639	-73.841	-66.835	-86.811
23	-58.106	-87.905	-73.453	-73.416	-64.366	-83.966	-74.721	-74.301	-74.872	-81.511
24	-60.508	-90.995	-74.866	-74.714	-63.843	-84.785	-78.647	-68.741	-62.043	-94.033
25	-59.516	-80.25	-81.272	-77.195	-62.082	-88.011	-74.839	-67.651	-61.523	-87.56
26	-55.173	-88.061	-73.625	-75.617	-72.885	-86.633	-80.349	-70.019	-64.089	-94.331
27	-64.45	-83.572	-75.274	-73.405	-77.318	-91.868	-74.593	-67.482	-61.353	-94.304
28	-73.607	-96.321	-73.735	-65.734	-57.795	-84.243	-71.418	-64.678	-59.445	-95.238
29	-56.988	-84.884	-77.329	-70.117	-73.337	-92.695	-86.434	-72.816	-66.934	-81.089
30	-59.841	-84.403	-77.148	-70.271	-69.14	-80.641	-84.199	-72.533	-70.149	-84.415

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-18	-18	-18	-16	-14.4	-12	-10
LowLimit										
Average =	-67.69	-61.57	-57.64	-29.49	-29.57	-29.42	-26.13	-21.53	-19.09	-14.11
STD DEV =	6.50	5.75	5.21	2.51	2.80	2.84	2.44	1.58	1.42	0.68
Cpu	1.47	1.60	1.77	1.53	1.38	1.34	1.38	1.50	1.67	2.02
Cpl										
Cpk	1.47	1.60	1.77	1.53	1.38	1.34	1.38	1.50	1.67	2.02
DATA	-	-	-	-	-	-	-	-	-	-
1	-74.268	-67.308	-67.382	-27.4	-32.58	-31.526	-27.546	-19.147	-19.853	-14.924
2	-63.575	-56.954	-52.719	-28.711	-27.534	-30.265	-24.961	-22.835	-19.299	-13.406
3	-63.983	-58.171	-54.382	-31.55	-28.821	-26.673	-26.897	-22.952	-20.447	-14.09
4	-73.281	-65.224	-61.78	-32.856	-32.12	-27.026	-27.94	-21.498	-19.387	-14.404
5	-65.335	-58.824	-55.158	-32.441	-28.46	-27.626	-24.453	-22.112	-21.266	-14.839
6	-80.194	-76.003	-66.189	-31.464	-29.992	-33.788	-24.866	-21.488	-16.833	-13.406
7	-74.255	-66.586	-63.277	-29.594	-32.642	-32.738	-22.825	-21.424	-20.988	-14.321
8	-64.041	-58.135	-54.992	-29.23	-31.785	-28.259	-25.661	-20.792	-18.913	-13.716
9	-66.721	-61.986	-58.592	-24.756	-28.923	-25.289	-27.762	-18.867	-17.317	-14.355
10	-67.892	-62.151	-58.969	-28.114	-33.131	-28.941	-22.985	-22.312	-17.41	-14.267
11	-62.796	-59.068	-56.036	-31.592	-26.596	-26.374	-28.135	-18.857	-18.572	-13.684
12	-60.25	-53.338	-49.453	-28.585	-30.149	-30.867	-27.942	-22.766	-20.522	-13.629
13	-79.094	-69.098	-63.745	-25.974	-32.719	-33.098	-30.164	-24.063	-21.805	-13.456
14	-66.496	-62.034	-58.294	-28.221	-26.873	-24.743	-27.194	-24.05	-19.289	-14.959
15	-68.035	-62.069	-58.066	-27.831	-33.126	-31.24	-22.904	-23.033	-18.376	-14.008
16	-62.551	-57.12	-53.113	-32.34	-30.209	-27.315	-29.698	-22.38	-21.542	-14.073
17	-64.08	-58.16	-53.929	-30.115	-32.223	-25.663	-28.724	-22.568	-19.131	-14.961
18	-70.726	-65.97	-65.139	-30.243	-27.534	-30.27	-28.497	-21.251	-17.962	-14.269
19	-56.789	-50.916	-46.582	-29.478	-25.316	-32.967	-23.476	-22.021	-18.573	-14.745
20	-67.624	-61.422	-58.251	-33.973	-26.766	-32.733	-23.783	-20.595	-17.464	-14.2
21	-70.025	-65.76	-62.992	-33.884	-25.437	-28.098	-24.667	-22.334	-18.249	-13.557
22	-60.392	-53.879	-49.408	-29.318	-26.974	-29.682	-23.434	-21.125	-20.082	-15.048
23	-88.869	-76.701	-65.587	-28.025	-32.058	-26.119	-23.908	-19.813	-17.737	-12.888
24	-64.414	-58.695	-54.804	-28.431	-33.499	-30.721	-23.717	-18.747	-20.42	-14.708
25	-67.344	-64.298	-60.1	-29.175	-33.696	-31.836	-26.88	-22.973	-17.576	-13.379
26	-66.395	-60.161	-56.609	-24.901	-31.631	-32.735	-23.298	-23.382	-17.886	-12.635
27	-64.995	-60.315	-56.322	-25.966	-25.218	-30.85	-29.199	-19.214	-19.442	-14.874
28	-69.358	-62.161	-60.785	-34.032	-25.822	-33.585	-30.099	-19.302	-17.603	-12.972
29	-63.398	-57.8	-54.104	-27.801	-26.693	-25.264	-28.992	-20.903	-21.149	-14.927
30	-63.412	-56.668	-52.461	-28.819	-28.705	-26.255	-23.169	-23.124	-17.612	-14.502

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-12	-10	-18	-18	-18
LowLimit										
Average =	-29.49	-29.33	-29.20	-26.60	-21.00	-18.99	-13.83	-29.31	-29.56	-29.77
STD DEV =	2.26	2.82	2.48	2.12	1.62	1.70	0.67	2.42	2.63	2.72
Cpu	1.69	1.34	1.50	1.66	1.36	1.37	1.90	1.56	1.47	1.44
Cpl										
Cpk	1.69	1.34	1.50	1.66	1.36	1.37	1.90	1.56	1.47	1.44
DATA	-	-	-	-	-	-	-	-	-	-
1	-27.519	-32.591	-33.678	-26.982	-21.392	-18.353	-14.17	-32.906	-26.324	-31.7
2	-29.441	-27.501	-25.055	-30.925	-20.426	-18.155	-13.761	-27.363	-33.647	-26.758
3	-27.122	-32.398	-27.3	-29.464	-19.073	-20.679	-14.596	-30.552	-25.793	-32.304
4	-28.62	-27.104	-27.829	-27.526	-20.129	-17.654	-12.639	-30.327	-31.93	-31.898
5	-33.582	-30.107	-28.595	-22.837	-21.407	-19.075	-13.811	-30.734	-33.899	-27.44
6	-34.08	-30.783	-26.99	-29.468	-24.048	-21.071	-13.846	-25.498	-32.126	-26.851
7	-30.669	-31.672	-27.693	-29.736	-20.415	-22.031	-13.643	-32.001	-31.556	-25.939
8	-27.546	-33.443	-29.986	-23.328	-21.058	-18.666	-12.742	-30.43	-31.306	-31.58
9	-28.108	-32.004	-26.694	-27.1	-19.885	-20.742	-14.203	-27.832	-32.192	-28.6
10	-28.284	-25.575	-29.989	-24.944	-20.684	-17.25	-13.106	-32.96	-25.436	-29.348
11	-32.137	-25.537	-26.877	-28.852	-18.57	-16.979	-13.073	-30.174	-32.905	-33.904
12	-28.497	-25.551	-25.647	-24.973	-22.792	-20.949	-13.532	-28.78	-28.394	-32.784
13	-29.788	-27.038	-32.233	-26.72	-20.833	-18.722	-14.461	-26.018	-31.035	-34.077
14	-26.072	-28.559	-30.531	-29.133	-23.979	-17.797	-13.176	-29.778	-30.499	-31.341
15	-32.727	-27.367	-26.761	-26.782	-21.633	-17.136	-14.408	-27.689	-28.847	-30.212
16	-27.536	-26.018	-32.844	-26.353	-19.218	-16.683	-13.954	-28.28	-32.305	-32.272
17	-32.909	-28.258	-27.44	-25.189	-22.717	-18.658	-12.649	-26.074	-25.738	-32.466
18	-27.531	-28.62	-32.218	-23.802	-18.608	-17.666	-14.252	-29.935	-28.765	-33.458
19	-31.329	-33.752	-26.886	-23.663	-23.863	-21.929	-13.386	-29.35	-24.874	-31.952
20	-29.607	-30.464	-30.27	-27.502	-18.724	-21.683	-14.693	-32.809	-29.647	-26.626
21	-25.253	-25.559	-31.221	-24.937	-19.129	-16.886	-14.342	-25.293	-30.113	-24.61
22	-29.071	-29.769	-29.061	-26.682	-18.992	-21.021	-14.193	-32.235	-27.608	-31.455
23	-26.431	-31.701	-30.618	-25.856	-21.537	-19.801	-14.712	-33.606	-27.746	-27.635
24	-29.834	-25.103	-34.01	-24.529	-21.947	-17.796	-14.297	-30.763	-27.794	-24.962
25	-33.18	-33.349	-32.394	-29.472	-22.727	-19	-14.517	-25.062	-32.41	-30.146
26	-30.419	-34.1	-28.498	-27.979	-21.459	-21.518	-13.734	-27.298	-24.729	-30.06
27	-28.48	-30.149	-27.381	-27.873	-21.972	-16.879	-15.121	-29.016	-30.085	-29.116
28	-30.385	-31.578	-28.749	-24.808	-19.218	-18.92	-13.373	-30.775	-29.34	-29.563
29	-29.508	-26.819	-32.184	-26.449	-21.049	-17.121	-12.662	-26.691	-30.564	-25.649
30	-28.949	-27.55	-26.356	-24.266	-22.595	-18.804	-13.83	-29.206	-29.337	-28.524

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4	-12
LowLimit										
Average =	-27.10	-21.44	-19.44	-13.91	-28.87	-28.70	-29.68	-27.33	-21.59	-19.03
STD DEV =	2.54	1.50	1.73	0.79	2.64	2.61	2.56	2.29	1.74	1.74
Cpu	1.46	1.57	1.43	1.65	1.37	1.37	1.52	1.65	1.38	1.35
Cpl										
Cpk	1.46	1.57	1.43	1.65	1.37	1.37	1.52	1.65	1.38	1.35
DATA	-	-	-	-	-	-	-	-	-	-
1	-25.403	-22.831	-20.695	-14.659	-32.134	-27.572	-27.876	-25.895	-22.687	-16.611
2	-29.799	-20.346	-18.623	-15.055	-25.795	-32.296	-32.366	-27.201	-21.987	-17.102
3	-26.487	-21.125	-18.917	-14.206	-25.601	-25.389	-26.291	-25.998	-21.164	-18.479
4	-28.222	-18.696	-18	-14.658	-28.274	-33.109	-32.827	-28.218	-22.445	-17.975
5	-23.273	-20.8	-20.982	-12.588	-30.486	-26.217	-33.701	-30.467	-21.738	-21.062
6	-26.715	-23.972	-19.608	-12.698	-32.68	-25.925	-27.698	-24.106	-18.75	-20.824
7	-25.017	-21.924	-22.018	-14.307	-27.176	-25.653	-26.26	-27.547	-21.527	-18.677
8	-28.118	-23.795	-20.544	-15.032	-26.559	-25.934	-25.729	-30.749	-23.418	-16.93
9	-30.538	-20.469	-19.983	-14.248	-24.866	-30.96	-28.563	-27.573	-18.805	-17.375
10	-27.229	-21.27	-20.122	-13.52	-31.374	-28.03	-29.951	-29.286	-19.63	-16.775
11	-30.931	-19.049	-17.89	-14.418	-30.113	-33.459	-28.953	-27.579	-23.998	-20.52
12	-27.044	-19.439	-18.124	-13.001	-25.525	-27.089	-26.772	-29.84	-19.949	-19.867
13	-23.217	-19.992	-20.131	-14.386	-29.938	-26.651	-27.976	-30.715	-23.958	-21.834
14	-27.655	-22.009	-19.046	-13.967	-30.574	-30.628	-30.965	-24.284	-19.679	-19.794
15	-24.594	-19.337	-17.388	-13.639	-32.859	-34.041	-30.671	-28.14	-20.439	-17.767
16	-24.69	-23.678	-20.473	-13.237	-25.73	-27.395	-28.068	-27.544	-23.985	-20.373
17	-31.014	-23.138	-20.35	-14.212	-27.338	-26.582	-28.688	-28.707	-23.596	-21.083
18	-29.984	-21.006	-21.799	-13.67	-30.455	-30.054	-28.213	-26.472	-21.861	-17.512
19	-22.843	-18.916	-20.771	-14.161	-29.875	-26.534	-29.001	-28.766	-18.759	-16.577
20	-30.671	-22.736	-16.595	-13.436	-26.622	-25.605	-32.702	-23.099	-23.522	-21.157
21	-29.632	-21.414	-16.657	-12.658	-29.512	-28.716	-27.444	-25.284	-22.78	-18.221
22	-23.45	-22.621	-21.126	-13.246	-32.273	-26.036	-30.991	-27.018	-19.963	-21.16
23	-26.57	-21.17	-21.884	-15.019	-33.854	-33.129	-24.624	-26.267	-22.293	-19.078
24	-30.78	-22.557	-21.793	-15.058	-30.291	-30.87	-32.638	-30.88	-23.532	-17.35
25	-26.303	-19.785	-16.787	-13.089	-29.588	-27.71	-33.38	-30.78	-22.972	-21.571
26	-28.292	-22.012	-17.3	-14.453	-27.144	-29.97	-33.557	-24.266	-21.977	-18.726
27	-26.871	-23.178	-21.948	-12.582	-31.514	-29.252	-29.606	-24.226	-22.327	-17.908
28	-28.778	-21.899	-18.438	-15.03	-24.614	-27.441	-32.77	-27.859	-19.154	-17.093
29	-24.518	-22.657	-17.378	-13.184	-27.115	-28.256	-29.851	-23.23	-21.865	-19.811
30	-24.25	-21.522	-17.695	-13.819	-26.318	-30.641	-32.376	-28.026	-18.854	-21.817

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-10	-18	-18	-18	-16	-14.4	-12	-10	-18	-18
LowLimit										
Average =	-14.05	-29.53	-28.57	-29.50	-27.31	-21.48	-19.63	-13.75	-28.18	-30.38
STD DEV =	0.65	2.41	2.51	2.50	2.18	1.76	1.56	0.68	2.36	1.90
Cpu	2.08	1.59	1.40	1.54	1.73	1.34	1.63	1.85	1.44	2.17
Cpl										
Cpk	2.08	1.59	1.40	1.54	1.73	1.34	1.63	1.85	1.44	2.17
DATA	-	-	-	-	-	-	-	-	-	-
1	-14.485	-33.528	-30.572	-33.934	-29.775	-19.233	-21.473	-13.986	-24.609	-32.209
2	-14.919	-25.629	-28.426	-26.342	-27.023	-22.839	-18.762	-15.039	-26.786	-31.979
3	-13.629	-29.953	-25.722	-30.411	-23.457	-22.882	-16.646	-13.865	-33.35	-31.727
4	-13.768	-26.969	-27.854	-31.174	-24.748	-23.675	-20.214	-12.888	-31.616	-29.361
5	-14.557	-27.144	-26.726	-32.685	-27.667	-20.616	-21.009	-13.325	-29.368	-31.776
6	-13.969	-31.94	-25.824	-28.057	-26.394	-22.022	-20.444	-13.245	-25.068	-29.681
7	-14.834	-33.757	-32.692	-28.547	-25.085	-18.848	-16.891	-14.295	-30.165	-29.227
8	-14.744	-27.128	-27.827	-32.665	-29.603	-23.719	-20.701	-12.62	-29.073	-26.75
9	-13.89	-29.303	-30.846	-27.179	-26.996	-23.44	-19.535	-14.446	-27.992	-26.574
10	-14.661	-28.989	-26.162	-27.649	-29.065	-20.009	-21.309	-13.539	-26.344	-33.495
11	-14.083	-30.317	-32.07	-29.302	-23.264	-21.442	-22.108	-13.226	-27.18	-28.084
12	-13.07	-27.69	-24.971	-27.705	-23.34	-23.411	-17.239	-13.344	-28.431	-33.55
13	-13.033	-29.687	-25.862	-26.686	-26.717	-20.799	-19.52	-14.067	-31.258	-32.646
14	-14.126	-30.077	-25.302	-30.206	-28.373	-20.244	-21.87	-14.859	-25.423	-27.229
15	-14.943	-30.724	-32.223	-27.497	-25.527	-20.028	-20.724	-12.887	-30.304	-31.147
16	-13.939	-31.606	-30.465	-26.027	-24.894	-19.457	-19.133	-14.651	-32.047	-32.696
17	-14.358	-25.414	-26.157	-33.188	-30.655	-20.07	-19.42	-12.797	-27.333	-30.148
18	-14.833	-33.693	-30.964	-32.353	-24.734	-20.221	-19.576	-14.82	-29.024	-31.469
19	-14.213	-31.705	-27.744	-29.918	-28.047	-20.206	-19.644	-13.168	-26.145	-30.47
20	-14.628	-30.004	-33.791	-25.138	-30.575	-18.713	-18.07	-14.181	-27.428	-27.91
21	-14.541	-31.582	-29.618	-31.716	-30.711	-22.84	-16.932	-13.523	-25.605	-32.762
22	-13.959	-27.739	-25.863	-28.411	-27.716	-22.333	-21.238	-14.705	-25.894	-29.839
23	-13.107	-27.515	-26.894	-29.87	-28.599	-19.614	-19.225	-14.258	-26.436	-30.683
24	-12.621	-26.824	-30.181	-33.581	-26.53	-23.963	-21.079	-14.47	-28.253	-31.671
25	-14.135	-30.832	-27.55	-26.162	-28.634	-18.957	-21.402	-13.266	-30.615	-28.264
26	-12.565	-26.478	-31.721	-28.364	-27.331	-23.976	-21.166	-13.345	-31.813	-30.173
27	-13.608	-30.812	-27.683	-28.049	-30.409	-23.644	-19.273	-13.048	-24.762	-29.283
28	-14.332	-27.9	-29.37	-31.986	-29.085	-22.258	-18.34	-13.693	-28.209	-30.85
29	-13.772	-33.287	-25.72	-28.04	-26.871	-23.869	-18.081	-13.314	-25.899	-30.345
30	-14.221	-27.57	-30.255	-32.177	-27.58	-21.07	-17.932	-13.614	-28.973	-29.473

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-28.68	-26.86	-21.85	-19.41	-14.10	-30.12	-30.13	-30.36	-27.59	-21.56
STD DEV =	2.38	2.28	1.40	1.69	0.65	2.43	2.48	2.28	2.29	1.32
Cpu	1.50	1.59	1.78	1.47	2.12	1.66	1.63	1.81	1.68	1.81
Cpl										
Cpk	1.50	1.59	1.78	1.47	2.12	1.66	1.63	1.81	1.68	1.81
DATA	-	-	-	-	-	-	-	-	-	-
1	-32.636	-28.021	-20.054	-21.976	-14.486	-29.721	-27.903	-29.568	-29.063	-23.933
2	-25.302	-26.288	-22.517	-21.808	-13.868	-33.628	-26.428	-26.855	-30.856	-18.793
3	-32.076	-28.037	-23.192	-18.659	-13.832	-32.883	-33.273	-30.868	-28.3	-21.224
4	-25.402	-26.287	-21.878	-16.571	-14.843	-33.418	-32.354	-33.538	-30.172	-22.435
5	-29.759	-30.56	-19.929	-17.508	-14.816	-28.395	-30.052	-31.002	-23.696	-19.391
6	-26.13	-23.111	-23.524	-19.105	-14.475	-32.25	-32.062	-29.916	-25.986	-22.31
7	-30.213	-22.648	-22.633	-20.928	-14.963	-26.907	-30.035	-31.262	-26.558	-22.508
8	-29.664	-28.403	-20.979	-17.577	-14.383	-28.723	-25.709	-29.435	-24.41	-22.901
9	-28.854	-27.842	-21.79	-18.086	-13.251	-29.23	-30.386	-29.591	-29.747	-20.546
10	-29.122	-24.498	-20.675	-17.543	-14.212	-30.571	-28.58	-28.845	-30.903	-19.66
11	-27.504	-23.767	-18.941	-19.06	-13.393	-28.273	-26.836	-32.194	-27.93	-20.861
12	-25.629	-28.054	-19.501	-21.395	-13.185	-28.802	-28.483	-30.492	-27.885	-22.976
13	-25.674	-26.855	-24.084	-21.817	-14.728	-26.28	-33.329	-27.977	-23.307	-20.882
14	-32.425	-31.123	-19.827	-19.438	-13.545	-27.28	-29.45	-31.137	-29.381	-21.141
15	-27.537	-29.379	-22.371	-18.712	-13.897	-31.082	-31.22	-27.628	-28.827	-22.546
16	-30.218	-22.988	-21.736	-21.697	-14.115	-29.247	-32.981	-31.719	-25.672	-22.212
17	-31.51	-28.027	-23.913	-17.669	-14.726	-28.242	-33.471	-31.797	-24.308	-21.678
18	-27.727	-28.242	-21.192	-18.907	-14.08	-30.231	-30.47	-25.446	-29.049	-21.24
19	-29.274	-27.661	-23.533	-21.109	-14.755	-31.935	-28.99	-30.99	-30.013	-23.948
20	-25.896	-25.232	-24.109	-21.087	-14.467	-32.205	-25.395	-27.173	-29.243	-20.772
21	-29.87	-27.972	-22.351	-20.606	-14.595	-25.017	-32.074	-32.094	-28.776	-19.531
22	-28.276	-29.597	-22.281	-21.623	-14.858	-31.701	-27.944	-29.397	-28.04	-20.67
23	-28.485	-24.424	-22.797	-19.178	-12.879	-28.493	-29.286	-33.124	-27.588	-22.231
24	-26.314	-25.386	-20.35	-20.477	-14.579	-34.087	-26.196	-31.152	-29.838	-21.279
25	-31.516	-29.444	-23.486	-20.681	-13.122	-30.429	-28.501	-29.369	-30.232	-20.915
26	-31.511	-24.782	-21.399	-17.416	-14.445	-31.968	-31.853	-33.575	-27.173	-21.672
27	-31.943	-26.369	-22.103	-18.109	-14.436	-33.952	-32.25	-25.375	-24.54	-19.772
28	-29.074	-24.559	-20.973	-19.138	-12.868	-33.017	-32.383	-33.944	-27.645	-23.016
29	-25.63	-29.548	-22.261	-16.715	-13.013	-27.75	-33.042	-32.717	-23.743	-22.582
30	-25.355	-26.687	-21.124	-17.695	-14.091	-27.775	-32.957	-32.639	-24.962	-23.107

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	Hipot
Condition:	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	1500VAC/ 60s/1mA
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	
HighLimit	-12	-10	-18	-18	-18	-16	-14.4	-12	-10	
LowLimit										
Average =	-19.47	-13.74	-29.54	-28.73	-29.53	-26.74	-21.34	-19.31	-13.80	
STD DEV =	1.69	0.71	2.76	2.64	2.61	2.67	1.43	1.70	0.66	
Cpu	1.48	1.76	1.39	1.36	1.47	1.34	1.62	1.43	1.91	
Cpl										
Cpk	1.48	1.76	1.39	1.36	1.47	1.34	1.62	1.43	1.91	
DATA	-	-	-	-	-	-	-	-	-	
1	-20.486	-14.094	-33.014	-30.25	-25.786	-23.265	-24.043	-19.29	-12.782	Pass
2	-19.939	-12.712	-28.703	-32.465	-29.968	-27.29	-19.004	-17.001	-13.545	Pass
3	-18.417	-14.14	-33.021	-33.637	-30.118	-28.364	-18.962	-21.343	-13.617	Pass
4	-19.859	-13.869	-29.269	-27.664	-25.476	-29.73	-19.272	-18.488	-13.532	Pass
5	-20.749	-13.075	-27.007	-27.22	-30.19	-26.861	-22.38	-16.888	-13.618	Pass
6	-19.444	-12.903	-32.465	-28.088	-28.495	-30.5	-20.259	-17.731	-14.727	Pass
7	-21.584	-13.471	-30.344	-25.411	-30.203	-29.441	-23.594	-17.977	-12.663	Pass
8	-17.098	-12.844	-34.103	-27.799	-30.761	-30.513	-19.524	-17.712	-13.257	Pass
9	-19.397	-14.797	-28.623	-24.803	-31.319	-22.603	-23.739	-18.315	-14.921	Pass
10	-22.067	-14.382	-33.012	-31.384	-25.492	-26.589	-19.736	-21.017	-12.748	Pass
11	-17.043	-13.584	-32.005	-25.826	-31.824	-25.374	-21.297	-20.362	-13.257	Pass
12	-20.566	-14.337	-25.823	-31.358	-26.713	-27.338	-22.602	-22.09	-14.689	Pass
13	-19.316	-13.608	-25.924	-30.223	-27.45	-23.63	-20.52	-17.175	-14.107	Pass
14	-19.833	-12.704	-25.959	-26.119	-30.849	-23.597	-21.142	-21.548	-13.066	Pass
15	-21.656	-13.925	-27.931	-32.463	-29.987	-30.554	-22.702	-18.852	-14.545	Pass
16	-21.792	-14.791	-28.241	-26.333	-32.419	-30.654	-22.607	-21.595	-14.959	Pass
17	-16.822	-12.687	-33.64	-30.457	-29.466	-24.779	-22.647	-17.646	-13.241	Pass
18	-18.74	-13.045	-25.514	-24.907	-26.817	-25.308	-19.658	-22.019	-13.52	Pass
19	-18.805	-15.023	-25.739	-28.784	-33.6	-27.404	-21.18	-18.75	-14.272	Pass
20	-16.939	-14.363	-26.756	-25.426	-26.7	-27.944	-23.153	-19.581	-13.246	Pass
21	-21.772	-13.301	-33.223	-29.945	-29.252	-23.112	-21.496	-19.287	-13.57	Pass
22	-18.834	-13.479	-26.984	-29.451	-26.249	-30.462	-22.322	-20.502	-13.541	Pass
23	-17.281	-14.518	-31.274	-28.437	-31.005	-29.742	-21.368	-21.179	-14.51	Pass
24	-21.046	-14.266	-29.219	-32.985	-33.752	-25.065	-20.449	-19.312	-13.536	Pass
25	-20.9	-13.234	-26.571	-25.281	-29.657	-28.544	-22.341	-21.342	-14.14	Pass
26	-20.655	-14.607	-31.278	-31.912	-33.704	-27.62	-21.789	-18.929	-14.045	Pass
27	-20.946	-14.009	-32.921	-27.752	-29.377	-25.116	-20.279	-16.705	-14.893	Pass
28	-16.562	-13.588	-30.443	-31.389	-34.071	-22.779	-20.466	-21.173	-13.668	Pass
29	-17.5	-14.325	-28.32	-26.13	-30.2	-23.149	-21.078	-18.646	-14.362	Pass
30	-18.195	-12.596	-28.771	-27.908	-24.96	-24.976	-20.453	-16.834	-13.383	Pass

Appendix 5

HX6101NL Electrical Test Data After Vibration Mechanical Shock

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH	OPSH
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	1,2,3-4,5,6	4,5,6-7,8,9	7,8,9-10,11,12	10,11,12-13,14,15	13,14,15-16,17,18	16,17,18-19,20,21	19,20,21-22,23,24	22,23,24-25,26,27	25,26,27-28,29,30	28,29,30-31,32,33
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms	Mohms
HighLimit										
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	90.44	85.07	84.82	84.58	84.56	84.77	84.87	84.23	84.98	82.11
STD DEV =	0.88	0.69	0.53	0.66	0.72	0.92	0.99	0.83	0.70	0.68
Cpu										
Cpl	30.38	36.33	46.63	37.83	34.69	27.06	25.32	29.90	35.55	35.53
Cpk	30.38	36.33	46.63	37.83	34.69	27.06	25.32	29.90	35.55	35.53
DATA	-	-	-	-	-	-	-	-	-	-
1	88.403	83.57	84.085	84.616	84.851	84.876	84.329	82.956	84.046	81.545
2	89.37	85.26	84.838	84.087	82.81	82.268	81.453	82.252	83.878	81.301
3	90.346	84.868	84.181	83.291	83.29	83.074	84.319	83.944	84.37	80.844
4	91.123	84.845	83.495	82.569	83.402	84.482	84.611	84.42	84.567	80.756
5	89.317	84.748	85.318	84.709	84.348	84.059	84.103	84.152	85.018	82.721
6	89.279	85.186	85.128	85.556	84.781	83.808	83.472	82.777	84.391	81.947
7	90.314	85.279	85.251	84.473	84.048	83.524	83.653	83.949	84.854	82.423
8	90.85	85.027	84.768	83.809	83.984	84.576	85.2	85.132	84.955	81.319
9	90.25	85.573	85.333	84.512	84.338	83.953	84.53	84.272	85.537	82.47
10	90.306	84.158	84.467	84.76	85.064	86.035	85.867	84.27	84.375	81.515
11	90.037	85.255	85.322	85.179	84.829	84.409	83.988	83.494	84.536	82.38
12	89.798	84.806	85.199	84.435	84.53	84.467	83.894	83.46	84.504	81.885
13	90.328	84.343	84.436	84.306	85.036	85.636	86.329	84.777	84.801	82.033
14	91.903	85.134	84.37	83.747	83.818	84.102	84.942	84.774	85.772	82.352
15	89.523	84.142	84.549	84.664	84.822	85.287	85.47	84.439	84.858	81.623
16	90.206	85.539	85.518	85.873	85.63	85.242	85.008	83.344	84.884	82.552
17	90.301	84.752	84.83	85.177	85.034	85.874	85.539	84.256	84.827	81.598
18	89.462	84.707	85.137	85.174	85.571	85.677	84.499	83.864	84.564	81.612
19	90.21	84.617	84.996	85.535	84.496	84.113	84.266	83.694	84.922	82.554
20	91.821	86.528	85.442	84.66	84.094	84.725	85.149	84.714	86.354	83.169
21	91.116	84.974	84.697	84.89	85.445	86.083	86.15	84.709	84.549	82.23
22	91.261	85.045	84.26	84.463	84.777	85.526	85.687	84.697	84.727	81.588
23	90.566	84.799	84.319	84.149	83.746	84.894	85.904	85.131	86.068	82.01
24	91.396	85.798	85.497	84.858	84.411	84.745	85.156	85.667	86.252	83.707
25	90.282	84.311	84.312	84.435	85.635	85.237	85.23	83.537	84.269	82.224
26	91.39	86.447	86.039	84.773	84.12	84.269	84.843	85.088	86.267	83.127
27	90.463	84.463	84.241	84.753	85.038	86.346	85.878	83.604	84.764	81.899
28	89.739	85.515	84.944	85.155	85.807	85.683	85.323	84.246	84.331	82.085
29	92.247	86.575	84.841	84.206	84.232	84.601	85.552	85.521	85.78	82.939
30	91.642	85.706	84.815	84.493	84.689	85.414	85.879	85.668	86.26	82.909

Parameter	OPSH	OPSH	OPSH	OPSH	OPSH	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	31,32,33-34,35,36	34,35,36-37,38,39	37,38,39-40,41,42	40,41,42-43,44,45	43,44,45-46,47,48	2-3	5-6	8-9	11-12	14-15
Unit	Mohms	Mohms	Mohms	Mohms	Mohms	mohms	mohms	mohms	mohms	mohms
HighLimit						2000	2000	2000	2000	2000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	85.38	85.91	85.92	85.85	85.85	1,213.60	1,187.22	1,214.62	1,213.13	1,196.05
STD DEV =	0.69	0.72	0.82	0.95	1.01	39.86	13.30	12.62	11.47	10.20
Cpu						6.58	20.37	20.74	22.87	26.27
Cpl	36.48	35.23	30.92	26.62	24.98	10.07	29.51	31.81	34.97	38.76
Cpk	36.48	35.23	30.92	26.62	24.98	6.58	20.37	20.74	22.87	26.27
DATA	-	-	-	-	-	-	-	-	-	-
1	85.536	86.394	86.154	85.623	85.211	1200.069	1197.608	1200.096	1200.33	1200.034
2	83.73	83.609	83.959	83.472	83.403	1199.952	1198.9	1200.074	1200.458	1200.336
3	83.802	84.598	84.172	84.43	84.801	1417.664	1210.972	1210.203	1222.693	1200.651
4	84.344	84.682	85.192	85.925	85.752	1199.88	1199.15	1200.181	1200.059	1200.281
5	85.746	85.942	85.516	85.172	85.17	1217.228	1170.931	1211.811	1229.428	1198.312
6	85.44	85.722	84.953	84.251	84.437	1217.53	1171.512	1211.385	1229.047	1199.803
7	86.071	86.21	85.254	84.671	84.545	1212.61	1176.269	1209.517	1209.611	1187.238
8	84.567	85.473	86.128	86.765	86.863	1197.979	1188.722	1206.841	1251.245	1198.016
9	85.333	85.002	84.825	84.951	85.998	1209.258	1179.739	1209.683	1214.616	1180.42
10	85.121	86.17	86.594	86.931	87.046	1219.115	1178.35	1197.465	1193.222	1168.875
11	85.911	86.346	85.789	85.41	85.255	1225.537	1200.037	1211.498	1199.671	1210.865
12	85.859	86.135	85.343	84.665	84.718	1190.607	1166.617	1211.5	1202.263	1203.31
13	84.768	85.993	86.673	87.06	86.846	1233.59	1185.513	1208.836	1205.366	1200.25
14	85.397	85.315	85.019	84.828	85.659	1195.294	1182.322	1207.335	1221.557	1194.236
15	84.776	86.516	86.162	85.983	85.046	1189.694	1169.933	1213.823	1209.434	1179.563
16	85.935	86.015	86.331	85.174	85.272	1218.931	1207.749	1216.683	1221.411	1192.13
17	85.21	86.057	87.196	87.093	87.016	1191.203	1166.731	1220.967	1199.949	1212.358
18	85.466	86.562	86.807	86.167	85.165	1218.899	1172.721	1201.381	1217.139	1183.291
19	86.075	86.009	86.08	85.437	84.604	1188.291	1208.315	1215.313	1212.671	1206.062
20	85.452	85.935	85.539	86.015	86.641	1228.062	1205.643	1262.547	1213.601	1212.316
21	85.364	86.651	86.637	86.781	86.965	1202.955	1197.759	1210.455	1220.389	1186.679
22	85.134	86.31	86.58	86.799	87.073	1215.118	1195.463	1235.868	1201.275	1198.66
23	84.892	85.173	86.276	86.64	86.669	1203.213	1184.875	1209.931	1214.105	1188.349
24	86.559	86.305	86.074	86.468	86.799	1198.345	1193.095	1215.163	1217.044	1198.783
25	85.812	86.766	86.847	86.594	85.888	1194.743	1174.437	1227.194	1210.653	1191.518
26	86.32	86.278	85.975	85.839	85.733	1206.123	1186.968	1213.089	1217.667	1201.227
27	85.49	86.526	86.794	86.879	86.339	1221.422	1197.985	1223.404	1212.648	1209.122
28	86.558	87.012	87.32	86.587	86.077	1189.721	1184.447	1224.601	1212.186	1202.559
29	84.948	86.025	85.871	86.687	87.414	1203.545	1170.241	1224.484	1215.38	1183.471
30	85.767	85.474	85.547	86.098	87.219	1201.452	1193.7	1227.147	1218.669	1192.797

Parameter	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR	DCR
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	20-21	23-24	25-26	28-29	31-32	34-35	37-38	40-41	43-44
Unit	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms	mohms
HighLimit	2000	2000	2000	1000	1000	1000	1000	1000	1000	1000
LowLimit	10	10	10	10	10	10	10	10	10	10
Average =	1,190.78	1,207.69	1,193.04	394.19	403.91	397.35	396.62	378.01	404.98	394.02
STD DEV =	10.18	10.97	11.93	36.99	6.54	3.69	4.11	9.20	29.20	12.07
Cpu	26.49	24.07	22.54	5.46	30.36	54.50	48.88	22.53	6.79	16.73
Cpl	38.65	36.39	33.05	3.46	20.06	35.03	31.32	13.33	4.51	10.60
Cpk	26.49	24.07	22.54	3.46	20.06	35.03	31.32	13.33	4.51	10.60
DATA	-	-	-	-	-	-	-	-	-	-
1	1200.155	1200.483	1200.501	224.071	399.62	399.98	399.907	399.321	399.132	397.856
2	1200.477	1200.563	1200.72	389.5	399.969	400.074	400.058	399.944	399.898	399.557
3	1186.999	1206.737	1188.78	307.323	406.848	393.15	395.42	396.453	396.134	394.546
4	1200.598	1200.477	1201.29	400.104	399.945	400.058	400.004	399.417	399.71	399.844
5	1176.292	1208.781	1201.745	410.962	396.903	396.131	392.055	374.602	391.656	389.222
6	1176.767	1209.499	1203.085	412.644	397.269	394.79	392.375	374.073	391.465	387.947
7	1206.242	1191.849	1177.883	412.936	406.276	400.313	396.044	374.725	399.431	406.553
8	1185.678	1212.831	1206.12	408.314	402.015	398.855	395.536	374.812	410.315	392.168
9	1194.391	1205.153	1179.92	398.499	404.716	398.066	392.553	375.169	398.934	429.394
10	1204.803	1218.483	1191.409	407.302	409.435	395.952	386.941	363.521	394.024	383.784
11	1198	1202.861	1188.687	397.83	402.826	397.655	400.358	373.785	401.615	384.35
12	1191.305	1202.219	1182.947	397.907	417.931	400.953	396.801	389.579	560.7	399.45
13	1193.387	1184.267	1195.832	406.438	405.883	397.31	400.423	365.758	402.692	392.51
14	1187.621	1231.114	1209.525	396.096	422.319	394.795	407.386	379.372	399.581	374.855
15	1179.871	1195.748	1187.142	402.037	400.407	403.294	400.284	372.162	401.216	433.943
16	1178.416	1213.412	1171.145	395.317	399.715	389.591	399.737	376.219	397.71	402.924
17	1185.05	1202.379	1178.56	403.552	400.313	393.307	392.951	375.623	399.89	389.264
18	1202.909	1202.832	1195.545	397.974	402.223	398.304	395.266	373.355	397.83	390.938
19	1170.975	1231.497	1186.41	394.232	403.308	395.15	396.029	375.743	404.066	399.056
20	1198.276	1217.346	1209.043	402.627	396.438	389.486	396.444	373.466	397.205	384.371
21	1195.125	1203.338	1198.202	405.688	395.21	399.649	396.069	373.596	397.309	392.955
22	1187.367	1190.179	1175.961	403.5	398.814	399.026	394.348	370.597	403.003	391.692
23	1184.859	1216.093	1204.091	400.678	402.02	393.361	388.743	376.693	399.869	385.332
24	1197.453	1201.777	1202.82	438.954	403.936	404.179	397.648	379.394	404.529	392.353
25	1168.44	1222.276	1190.243	403.753	403.683	394.662	395.392	376.791	394.085	382.207
26	1203.924	1199.022	1193.507	395.272	401.045	403.487	401.005	374.149	398.704	388.12
27	1181.706	1219.695	1221.052	406.915	405.403	394.926	402.906	375.562	399.818	391.44
28	1196.873	1213.386	1180.255	404.728	422.057	400.127	396.921	375.054	407.168	392.179
29	1190.593	1218.506	1195.484	402.863	406.279	393.898	394.35	372.038	404.956	385.363
30	1198.915	1207.911	1173.286	397.699	404.36	399.909	394.504	379.452	396.868	386.471

Parameter	DCR	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	46-47	2-1	1-3	5-4	4-6	8-7	7-9	11-10	10-12	14-13
Unit	mohms	n	n	n	n	n	n	n	n	n
HighLimit	1000	500	500	500	500	500	500	500	500	500
LowLimit	10									
Average =	397.40	209.02	210.53	208.69	211.73	208.43	208.63	207.02	209.45	207.14
STD DEV =	5.35	7.85	2.83	3.06	2.82	2.19	2.75	3.21	2.96	2.97
Cpu	37.57	12.35	34.08	31.68	34.07	44.39	35.27	30.38	32.77	32.87
Cpl	24.15									
Cpk	24.15	12.35	34.08	31.68	34.07	44.39	35.27	30.38	32.77	32.87
DATA	-	-	-	-	-	-	-	-	-	-
1	399.876	209.813	210.065	207.89	210.492	209.113	208.826	208.454	209.946	208.579
2	399.609	210.175	211.936	210.864	210.246	207.878	210.1	208.595	209.593	209.156
3	386.503	238.653	214.516	199.924	208.647	208.071	204.903	210.056	210.119	207.177
4	399.836	209.806	206.988	211.686	210.082	209.553	207.847	209.851	208.537	207.903
5	399.635	214.709	211.215	208.296	208.164	209.92	207.756	208.249	210.041	201.662
6	399.082	206.651	211.13	209.041	209.003	208.866	207.546	209.224	211.842	200.335
7	399.549	217.206	212.376	208.879	209.807	211.004	210.014	203.765	206.593	206.046
8	392.348	207.689	207.529	210.528	212.539	208.497	211.772	207.856	214.229	205.426
9	399.505	206.188	206.749	210.743	212.762	202.221	203.279	216.734	218.556	205.835
10	392.361	209.681	205.898	206.438	210.228	205.796	205.119	202.651	205.506	207.426
11	410.588	215.145	210.955	209.41	213.901	207.286	212.548	206.492	213.075	216.565
12	397.761	211.101	209.612	207.617	208.886	207.432	208.238	205.308	206.96	204.275
13	403.028	215.629	209.076	213.637	213.236	211.24	210.748	207.126	207.341	208.547
14	395.209	205.949	211.137	208.991	212.292	208.619	205.753	205.713	208.447	209.463
15	397.756	214.2	215.637	204.5	214.319	207.153	212.346	202.508	207.857	206.051
16	400.137	212.34	213.348	217.22	215.909	207.944	207.139	214.431	214.668	206.825
17	395.56	213.595	215.887	210.33	215.613	213.426	212.549	204.629	208.226	211.676
18	392.663	204.641	211.228	205.099	211.977	209.832	206.741	207.738	208.663	205.695
19	394.229	212.374	211.28	208.53	211.215	206.157	205.872	204.544	209.357	207.092
20	399.323	215.242	208.084	207.84	209.138	210.107	212.18	203.639	208.687	206.954
21	396.236	202.324	210.353	209.418	213.914	205.486	211.222	207.662	208.392	206.217
22	394.099	204.486	209.217	211.41	212.762	209.97	212.784	206.994	207.769	206.069
23	408.792	195.123	207.592	211.427	207.659	207.921	206.976	204.024	207.761	208.128
24	389.645	198.268	208.991	208.846	209.532	205.311	204.139	202.927	204.596	210.64
25	393.106	204.239	206.765	207.271	208.591	208.726	209.791	205.264	209.035	205.653
26	390.797	202.576	213.599	209.162	215.141	208.528	211.871	206.936	212.041	208.288
27	407.301	208.846	207.437	205.335	211.287	210.142	210.258	207.302	213.158	203.646
28	392.838	198.224	216.972	206.51	209.223	211.84	207.442	204.576	205.721	209.24
29	399.856	202.628	210.102	208.33	219.454	206.329	205.827	211.169	208.951	204.433
30	394.726	203.098	210.305	205.387	216.009	208.597	207.187	206.188	207.858	209.259

Parameter	LL	LL	LL	LL	LL	LL	LL	BL	BL	BL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	13-15	17-16	16-18	20-19	19-21	23-22	22-24	2-1:1-3	5-4:4-6	8-7:7-9
Unit	n	n	n	n	n	n	n	*1	*1	*1
HighLimit	500	500	500	500	500	500	500	1.2	1.2	1.2
LowLimit								0.8	0.8	0.8
Average =	205.79	205.95	205.80	210.66	211.73	211.23	209.97	0.99	0.99	1.00
STD DEV =	2.88	2.61	2.95	2.88	2.74	3.34	3.69	0.04	0.02	0.01
Cpu	34.07	37.51	33.19	33.53	35.06	28.83	26.22	1.93	4.18	5.58
Cpl								1.80	3.62	5.53
Cpk	34.07	37.51	33.19	33.53	35.06	28.83	26.22	1.80	3.62	5.53
DATA	-	-	-	-	-	-	-	-	-	-
1	209.874	210.571	210.369	207.348	211.02	209.519	207.783	0.999	0.988	1.001
2	210.561	209.245	209.887	208.873	208.98	211.81	210.42	0.992	1.003	0.989
3	204.422	201.391	201.058	204.709	210.864	207.453	210.271	1.113	0.958	1.015
4	211.895	210.516	210.178	210.783	209.237	210.088	210.659	1.014	1.008	1.008
5	205.318	203.936	204.105	209.013	211.715	213.075	215.787	1.017	1.001	1.01
6	203.253	204.622	203.655	210.199	210.602	213.95	215.443	0.979	1	1.006
7	204.532	208.465	208.65	210.372	212.995	207.336	214.39	1.023	0.996	1.005
8	205.267	202.273	208.446	209.92	212.992	207.695	215.692	1.001	0.991	0.985
9	201.124	206.209	205.346	208.726	210.727	209.281	206.606	0.997	0.991	0.995
10	204.561	207.123	204.869	208.33	211.418	210.433	211.918	1.018	0.982	1.003
11	208.348	206.517	209.14	208.49	210.022	208.166	207.683	1.02	0.979	0.975
12	202.873	204.124	203.795	210.084	211.07	207.806	209.423	1.007	0.994	0.996
13	210.364	206.47	205.655	212.11	212.871	205.399	208.304	1.031	1.002	1.002
14	209.35	204.279	203.229	217.292	214.808	212.932	209.232	0.975	0.984	1.014
15	202.218	208.708	200.533	211.106	210.736	207.475	207.343	0.993	0.954	0.976
16	204.524	204.96	204.459	216.267	216.096	208.92	207.624	0.995	1.006	1.004
17	208.864	207.678	206.473	211.775	210.774	212.351	208.68	0.989	0.975	1.004
18	208.14	202.669	205.369	207.56	212.301	214.808	203.639	0.969	0.968	1.015
19	204.037	208.013	205.816	213.479	214.067	218.656	212.92	1.005	0.987	1.001
20	205.693	206.915	211.691	206.563	206.258	209.197	205.052	1.034	0.994	0.99
21	203.893	208.759	207.514	211.467	213.42	212.451	208.062	0.962	0.979	0.973
22	205.025	202.462	208.913	212.649	209.783	212.663	210.519	0.977	0.994	0.987
23	207.563	201.266	201.965	209.245	210.537	216.202	208.255	0.94	1.018	1.005
24	204.236	203.648	204.813	212.117	212.558	210.916	206.192	0.949	0.997	1.006
25	201.91	202.611	199.902	211.974	219.58	215.178	218.383	0.988	0.994	0.995
26	206.226	208.491	206.344	211.943	209.884	213.703	212.616	0.948	0.972	0.984
27	208.536	206.711	207.844	206.746	210.204	218.39	213.121	1.007	0.972	0.999
28	206.256	205.929	204.277	214.887	216.62	207.749	210.179	0.914	0.987	1.021
29	202.982	205.911	204.311	210.434	206.184	213.69	211.015	0.964	0.949	1.002
30	201.727	207.979	205.345	215.376	213.51	209.701	201.885	0.966	0.951	1.007

Parameter	BL	BL	BL	BL	BL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	11-10: 10-12	14-13: 13-15	17-16: 16-18	20-19: 19-21	23-22: 22-24	1-2,3	4-5,6	7-8,9	10-11,12	13-14,15
Unit	*1	*1	*1	*1	*1	nH	nH	nH	nH	nH
HighLimit	1.2	1.2	1.2	1.2	1.2	110	110	110	110	110
LowLimit	0.8	0.8	0.8	0.8	0.8					
Average =	0.99	1.01	1.00	1.00	1.01	57.32	55.86	52.60	53.58	53.88
STD DEV =	0.01	0.02	0.01	0.01	0.02	1.98	1.97	2.02	2.34	1.84
Cpu	6.80	4.21	4.91	5.56	3.18	8.86	9.15	9.46	8.05	10.15
Cpl	6.05	4.50	4.96	5.30	3.39					
Cpk	6.05	4.21	4.91	5.30	3.18	8.86	9.15	9.46	8.05	10.15
DATA	-	-	-	-	-	-	-	-	-	-
1	0.993	0.994	1.001	0.983	1.008	56.165	53.89	55.046	56.356	55.104
2	0.995	0.993	0.997	0.999	1.007	57.984	55.365	56.129	53.842	54.484
3	1	1.013	1.002	0.971	0.987	60.125	53.421	52.528	55.899	52.935
4	1.006	0.981	1.002	1.007	0.997	55.36	55.319	54.45	53.71	56.403
5	0.991	0.982	0.999	0.987	0.987	58.325	54.186	52.194	53.918	52.463
6	0.988	0.986	1.005	0.998	0.993	57.248	54.474	51.689	54.129	51.984
7	0.986	1.007	0.999	0.988	0.967	59.565	55.382	55.407	51.185	51.939
8	0.97	1.001	0.97	0.986	0.963	57.834	58.232	52.73	55.641	53.877
9	0.992	1.023	1.004	0.991	1.013	56.164	57.236	47.794	59.292	53.613
10	0.986	1.014	1.011	0.985	0.993	54.77	55.963	52.387	52.797	53.748
11	0.969	1.039	0.987	0.993	1.002	57.883	56.27	53.534	53.44	59.077
12	0.992	1.007	1.002	0.995	0.992	57.934	55.245	52.378	52.151	53.751
13	0.999	0.991	1.004	0.996	0.986	56.565	59.205	54.3	54.085	55.385
14	0.987	1.001	1.005	1.012	1.018	55.349	57.27	52.694	51.026	54.497
15	0.974	1.019	1.041	1.002	1.001	62.044	54.035	52.366	51.249	51.319
16	0.999	1.011	1.002	1.001	1.006	54.755	61.697	51.485	60.483	51.618
17	0.983	1.013	1.006	1.005	1.018	61.835	59.024	55.758	51.544	55.043
18	0.996	0.988	0.987	0.978	1.055	57.198	54.85	52.995	53.688	54.22
19	0.977	1.015	1.011	0.997	1.027	60.73	57.082	51.032	54.229	56.622
20	0.976	1.006	0.977	1.001	1.02	57.177	55.548	52.215	53.11	55.536
21	0.996	1.011	1.006	0.991	1.021	55.374	56.566	52.358	53.51	53.329
22	0.996	1.005	0.969	1.014	1.01	57.01	58.498	57.159	52.873	55.623
23	0.982	1.003	0.997	0.994	1.038	54.946	54.183	51.824	52.923	53.638
24	0.992	1.031	0.994	0.998	1.023	55.752	54.034	50.909	50.597	53.974
25	0.982	1.019	1.014	0.965	0.985	55.282	54.442	53.001	51.724	51.884
26	0.976	1.01	1.01	1.01	1.005	57.973	55.078	50.082	55.558	54.957
27	0.973	0.977	0.995	0.984	1.025	58.954	53.885	53.063	53.742	52.229
28	0.994	1.014	1.008	0.992	0.988	56.352	53.01	51.562	48.981	55.313
29	1.011	1.007	1.008	1.021	1.013	57.494	57.04	49.559	53.406	51.087
30	0.992	1.037	1.013	1.009	1.039	55.346	55.248	49.51	52.194	50.879

Parameter	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	16-17,18	19-20,21	22-23,24	2-3	5-6	8-9	11-12	14-15	17-18	20-21
Unit	nH	nH	nH	nH	nH	nH	nH	nH	nH	nH
HighLimit	110	110	110	500	500	500	500	500	500	500
LowLimit										
Average =	49.39	54.47	55.47	209.35	204.87	212.99	204.81	202.11	209.52	214.16
STD DEV =	2.81	1.85	2.55	3.19	5.08	4.90	4.53	5.46	4.42	6.22
Cpu	7.20	10.02	7.14	30.34	19.37	19.51	21.71	18.18	21.89	15.32
Cpl										
Cpk	7.20	10.02	7.14	30.34	19.37	19.51	21.71	18.18	21.89	15.32
DATA	-	-	-	-	-	-	-	-	-	-
1	55.91	54.93	53.678	209.809	210.015	209.029	210.508	209.88	208.492	208.055
2	54.961	54.882	54.86	211.171	209.826	209.74	209.212	206.369	209.897	210.58
3	48.709	54.542	54.654	208.801	191.024	202.751	205.539	200.195	199.373	211.683
4	52.417	56.201	56.545	209.147	212.14	209.488	208.449	209.14	211.318	209.408
5	47.329	54.377	61.068	207.136	206.829	216.931	206.779	199.207	211.599	213.174
6	47.708	54.011	58.835	208.615	209.3	218.696	207.616	197.099	211.138	213.249
7	52.284	57.549	58.176	215.134	199.977	212.074	201.674	201.178	209.073	210.614
8	48.503	55.36	58.652	206.96	204.251	217.014	206.424	201.557	207.284	211.207
9	49.318	55.485	55.504	208.327	211.239	207.874	212.07	197.481	208.446	207.477
10	49.656	53.175	57.478	202.857	201.579	207.112	197.724	199.399	207.894	218.623
11	49.277	55.087	54.403	213.585	208.208	217.283	210.773	205.499	213.685	206.625
12	47.513	55.007	55.362	200.605	199.155	212.253	201.066	190.961	204.395	211.76
13	49.701	54.622	52.324	212.089	205.692	216.878	202.472	207.777	208.866	219.39
14	50.111	55.992	57.827	213.399	199.717	212.931	208.659	216.893	201.195	229.933
15	47.173	52.799	52.507	211.082	209.704	219.94	198.481	199.37	212.296	213.472
16	46.186	58.7	53.119	213.581	209.552	210.23	204.271	204.466	210.675	213.012
17	49.953	55.154	54.109	210.284	199.065	212.075	203.186	207.315	213.515	211.811
18	45.495	51.631	53.935	211.019	203.14	211.961	204.541	203.101	212.389	207.688
19	52.616	57.502	59.282	205.542	201.336	207.455	201.808	194.572	209.641	214.279
20	51.72	49.893	52.444	211.063	205.229	216.261	201.365	197.754	215.16	210.996
21	54.494	54.807	51.75	209.597	210.907	212.48	205.192	197.503	208.579	212.108
22	49.85	53.521	54.002	208.062	204.256	216.02	199.297	193.411	204.644	211.924
23	45.735	55.073	55.591	204.146	204.126	212.009	202.265	206.34	207.887	208.41
24	44.313	53.899	53.628	208.49	204.222	204.701	197.714	205.754	218.734	217.832
25	46.242	55.978	58.61	213.08	197.832	210.953	199.657	201.151	200.925	223.245
26	49.699	52.817	55.694	207.593	210.923	226.92	202.718	205.1	213.214	219.293
27	48.065	52.252	59.228	207.682	201.139	216.949	210.141	204.889	216.116	208.673
28	46.671	53.736	53.199	210.496	198.285	212.807	202.505	199.517	213.997	232.534
29	49.409	51.176	56.367	211.013	209.816	211.114	216.52	195.867	204.916	215.554
30	50.735	53.794	51.36	210.112	207.636	217.741	205.542	204.429	210.289	222.052

Parameter	LL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	OCL	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	23-24	2-3	5-6	8-9	11-12	14-15	17-18	20-21	23-24	47-46
Unit	nH	uH	uH	uH	uH	uH	uH	uH	uH	*1
HighLimit	500									1.02
LowLimit		120	120	120	120	120	120	120	120	0.98
Average =	212.12	300.39	303.38	281.59	293.53	289.29	293.53	291.91	291.42	1.00
STD DEV =	4.85	10.99	14.93	15.84	9.50	12.96	9.61	14.89	15.37	0.00
Cpu	19.80									37.08
Cpl		5.47	4.09	3.40	6.09	4.35	6.02	3.85	3.72	37.20
Cpk	19.80	5.47	4.09	3.40	6.09	4.35	6.02	3.85	3.72	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	203.665	287.459	312.782	249.294	284.583	286.618	287.563	295.954	295.587	1
2	207.49	297.974	319.538	275.28	296.295	289.83	300.877	276.32	288.344	1
3	204.163	298.734	296.394	294.316	299.1	299.906	278.178	290.645	287.677	1
4	211.253	298.1	318.267	272.54	297.513	284.466	301.216	268.746	287.773	1
5	212.607	298.926	290.045	278.008	286.488	286.9	296.33	299.43	308.224	1
6	211.077	297.305	291.024	279.258	286.648	282.57	295.616	300.23	307.255	1
7	209.02	295.422	291.765	283.091	288.279	301.728	287.304	295.213	268.962	1
8	210.796	292.372	302.661	290.419	304.778	295.649	291.215	255.765	257.901	1.001
9	207.502	313.164	314.007	295.408	307.064	277.668	288.627	308.402	284.424	1
10	212.091	278.61	290.717	287.798	300.578	284.495	287.278	303.517	289.764	1
11	206.746	293.251	293.634	298.945	295.54	298.198	294.006	304.716	290.52	1
12	207.982	297.374	306.991	239.444	295.191	271.114	297.038	301.108	305.073	1
13	214.394	327.107	324.352	287.154	288.094	305.731	310.045	293.753	309.165	1
14	206.612	308.036	309.729	275.243	294.685	296.988	278.028	309.601	283.929	1
15	210.227	320.235	323.574	295.822	308.068	254.445	305.108	294.521	309.245	1
16	207.881	306.539	310.654	288.732	283.921	295.643	285.815	276.956	285.293	1
17	210.673	315.535	316.92	301.144	284.315	282.559	297.092	279.765	306.82	1
18	208.38	305.375	304.618	294.306	311.745	284.383	306.92	293.931	300.91	1
19	217.49	297.861	293.91	291.053	269.777	290.255	286.822	292.753	275.581	1
20	213.801	318.582	277.685	283.923	300.101	308.543	305.925	282.961	279.364	1
21	216.7	309.78	328.676	291.877	303.259	292.801	286.855	285.354	294.758	1
22	215.924	297.414	325.071	294.791	291.092	284.696	302.186	293.241	311.872	1
23	219.003	308.075	309.321	281.515	294.764	301.189	305.754	276.663	314.396	1
24	214.155	286.414	303.851	253.604	285.232	301.278	293.839	308.062	291.23	1
25	221.755	288.679	268.045	270.486	299.579	287.834	287.739	312.037	257.584	1
26	217.999	283.635	311.136	297.809	301.756	308.319	305.61	302.914	293.619	1
27	223.049	298.381	277.838	245.112	278.441	265.358	299.067	299.739	289.863	1
28	216.69	298.456	298.444	278.605	284.792	293.152	292.97	295.664	303.719	1
29	214.207	300.742	288.915	285.459	300.518	264.352	271.86	307.289	300.984	1
30	210.257	292.083	300.872	287.151	283.754	302.124	279.116	251.912	262.63	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	2-3	44-43	5-6	41-40	8-9	38-37	11-12	35-34	14-15	32-31
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	35.34	37.08	16.50	37.20	26.82	37.20	16.00	37.20	35.34	37.20
Cpl	38.93	37.20	16.83	37.08	26.64	37.08	17.33	37.08	38.93	37.08
Cpk	35.34	37.08	16.50	37.08	26.64	37.08	16.00	37.08	35.34	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1	1	1	1	1.001	1	1.001	1
2	1.001	1	1	1	1	1	1.001	1	1.001	1
3	1.001	1	1.001	1	1	1	1.001	1	1.001	1
4	1.001	1	1	1	1	1	1	1	1.001	1
5	1.001	1	1	1	1	1	1.001	1	1.001	1
6	1.001	1	1	1	1	1	1.001	1	1.001	1
7	1.001	1	1	1	1	1	1	1	1.001	1
8	1.001	1	1	1	0.999	1	1.001	1	1.001	1
9	1.001	1	1	1	1	1	1	0.999	1.001	1
10	1.001	1	1	1	1	1	1	1	1.001	1
11	1.001	1	1	1	1	1	1.001	1	1.001	1
12	1.001	1	1	0.999	1	1	1.001	1	1.001	1
13	1.001	1	1	1	1	1	1.001	1	1.001	1
14	1	1	1	1	1	1	1	1	1.001	1
15	1.001	1	1.001	1	1	1	1.001	1	1.001	1
16	1.001	1	1	1	1	0.999	1.001	1	1.001	1
17	1.001	1	1	1	1	1	1.001	1	1	1
18	1.001	1	1.001	1	1	1	1.001	1	1.001	1
19	1.001	1	1	1	1	1	1.001	1	1.001	1
20	1.001	1	1	1	1	1	1.001	1	1.001	1
21	1.001	1	1	1	1	1	1	1	1.001	1
22	1.001	1.001	1	1	1	1	1.001	1	1.001	0.999
23	1.001	1	1	1	0.999	1	1.001	1	1.001	1
24	1.001	1	1	1	1	1	1.001	1	1.001	1
25	1.001	1	1.001	1	1	1	1.001	1	1.001	1
26	1.001	1	1	1	1	1	1.001	1	1.001	1
27	1.001	1	1.001	1	1	1	1.001	1	1.001	1
28	1.001	1	1.001	1	1	1	1.001	1	1.001	1
29	1.001	1	1	1	1	1	1.001	1	1.001	1
30	1.001	1	1	1	1	1	1.001	1	1.001	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	17-18	29-28	20-21	26-25	23-24	2-1	1-3	5-4	4-6	8-7
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	35.34	37.20	16.00	37.20	37.20	37.20	39.06	37.20	38.93	37.20
Cpl	38.93	37.08	17.33	37.08	37.08	37.08	35.22	37.08	35.34	37.08
Cpk	35.34	37.08	16.00	37.08	37.08	37.08	35.22	37.08	35.34	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	1.001	1	1.001	1	1	1	0.999	1	0.999	1
2	1.001	1	1.001	1	1	1	0.999	1	0.999	1
3	1.001	1	1.001	1	1	1	0.999	1	0.999	1
4	1.001	1	1.001	1	1	1	0.999	1	0.999	1
5	1.001	1	1.001	1	1	1	0.999	1	0.999	1
6	1.001	1	1.001	1	1	1	0.999	1	0.999	1
7	1.001	1	1.001	1	1	1	0.999	1	0.999	1
8	1.001	1	1.001	1	1	1	0.999	1	1	1
9	1.001	1	1	1	1	1	0.999	1	0.999	1
10	1.001	1	1.001	1	1	1	0.999	1	0.999	0.999
11	1.001	1	1.001	1	1	0.999	0.998	1	0.999	1
12	1.001	1	1.001	1	1	1	0.999	1	0.999	1
13	1.001	1	1	1	1	1	0.999	1	0.999	1
14	1.001	1	1	1	1	1	0.999	1	0.999	1
15	1	1	1.001	0.999	1	1	0.999	1	0.999	1
16	1.001	1	1.001	1	1	1	0.999	1	0.999	1
17	1.001	1	1.001	1	1	1	0.999	1	0.999	1
18	1.001	0.999	1.001	1	1	1	0.999	1	0.999	1
19	1.001	1	1.001	1	1	1	0.999	1	0.999	1
20	1.001	1	1.001	1	1	1	0.999	1	0.999	1
21	1.001	1	1.001	1	1	1	0.999	1	0.999	1
22	1.001	1	1.001	1	0.999	1	0.999	0.999	0.999	1
23	1.001	1	1.001	1	1	1	0.999	1	0.999	1
24	1.001	1	1.001	1	1	1	0.999	1	0.999	1
25	1.001	1	1.001	1	1	1	0.999	1	0.999	1
26	1.001	1	1.001	1	1	1	0.999	1	0.999	1
27	1.001	1	1	1	1	1	0.999	1	0.999	1
28	1.001	1	1	1	1	1	0.999	1	0.999	1
29	1.001	1	1	1	1	1	0.999	1	0.999	1
30	1.001	1	1.001	1	1	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	7-9	11-10	10-12	14-13	13-15	17-16	16-18	20-19	19-21	23-22
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	38.93	37.20	38.93	37.20	38.93	37.20	27.97	37.20	38.93	37.20
Cpl	35.34	37.08	35.34	37.08	35.34	37.08	25.48	37.08	35.34	37.08
Cpk	35.34	37.08	35.34	37.08	35.34	37.08	25.48	37.08	35.34	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
2	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
3	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
4	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
5	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
6	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
7	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
8	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
9	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
10	0.999	1	0.999	1	0.999	1	1	1	0.999	1
11	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
12	0.999	1	0.999	0.999	0.999	1	0.999	1	0.999	1
13	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
14	0.999	1	1	1	0.999	1	0.999	1	0.999	1
15	0.999	1	0.999	1	0.999	1	0.999	0.999	0.999	1
16	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
17	0.999	1	0.999	1	1	1	0.999	1	0.999	1
18	1	1	0.999	1	0.999	1	0.999	1	1	1
19	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
20	0.999	1	0.999	1	0.999	1	1	1	0.999	1
21	0.999	1	0.999	1	0.999	0.999	0.999	1	0.999	1
22	0.999	0.999	0.999	1	0.999	1	0.999	1	0.999	0.999
23	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
24	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
25	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
26	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
27	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
28	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
29	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1
30	0.999	1	0.999	1	0.999	1	0.999	1	0.999	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP	TRP
Condition:	normal	normal	normal	normal	normal	normal	normal	normal	normal	normal
Pins	22-24	26-27	27-25	29-30	30-28	32-33	33-31	35-36	36-34	38-39
Unit	*1	*1	*1	*1	*1	*1	*1	*1	*1	*1
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cpu	14.61	37.20	37.20	37.20	38.93	37.20	38.93	37.20	37.20	37.20
Cpl	13.67	37.08	37.08	37.08	35.34	37.08	35.34	37.08	37.08	37.08
Cpk	13.67	37.08	37.08	37.08	35.34	37.08	35.34	37.08	37.08	37.08
DATA	-	-	-	-	-	-	-	-	-	-
1	0.999	1	1	1	0.999	1	0.999	1	1	1
2	1	1	1	1	0.999	1	0.999	1	1	1
3	0.999	1	1	1	0.999	1	0.999	1	1	1
4	0.999	1	1	1	0.999	1	0.999	1	1	1
5	0.999	1	1	1	0.999	1	0.999	1	1	1
6	0.999	1	1	1	0.999	1	0.999	1	1	1
7	1	1	1	1	0.999	1	0.999	1	1	1
8	1	1	1	1	0.999	1	0.999	1	1	1
9	0.999	1	1	1	0.999	1	1	1	1	1
10	0.999	1	1	1	0.999	1	0.999	1	1	1
11	0.999	1	1	1	0.999	1	0.999	1	1	1
12	1	1	1	1	0.999	1	0.999	1	1	1
13	0.999	0.999	1	0.999	0.999	1	0.999	1	1	1
14	0.999	1	1	1	0.999	1	0.999	1	0.999	1
15	0.999	1	1	1	0.999	1	0.999	1	1	1
16	0.999	1	1	1	1	1	0.999	1	1	1
17	1	1	1	1	0.999	1	0.999	1	1	1
18	0.999	1	1	1	0.999	0.999	0.999	1	1	1
19	0.999	1	0.999	1	0.999	1	0.999	0.999	1	1
20	1	1	1	1	0.999	1	0.999	1	1	1
21	0.999	1	1	1	0.999	1	0.999	1	1	0.999
22	1	1	1	1	0.999	1	0.999	1	1	1
23	0.999	1	1	1	0.999	1	0.999	1	1	1
24	0.999	1	1	1	0.999	1	0.999	1	1	1
25	1	1	1	1	0.999	1	0.999	1	1	1
26	0.999	1	1	1	0.999	1	0.999	1	1	1
27	1	1	1	1	0.999	1	0.999	1	1	1
28	0.999	1	1	1	0.999	1	0.999	1	1	1
29	0.999	1	1	1	0.999	1	0.999	1	1	1
30	1	1	1	1	0.999	1	0.999	1	1	1

Parameter	TRP	TRP	TRP	TRP	TRP	TRP	TRP	CH1 IL-1	CH1 IL-1	CH1 IL-1
Condition:	normal	normal	normal	normal	normal	normal	normal	100KHZ	30MHZ	60MHZ
Pins	39-37	41-42	42-40	44-45	45-43	47-48	48-46			
Unit	*1	*1	*1	*1	*1	*1	*1	dB	dB	dB
HighLimit	1.02	1.02	1.02	1.02	1.02	1.02	1.02			
LowLimit	0.98	0.98	0.98	0.98	0.98	0.98	0.98	-1.1	-0.5	-0.8
Average =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-0.08	-0.18	-0.32
STD DEV =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.06
Cpu	14.61	37.20	23.22	37.20	14.02	37.20	38.93			
Cpl	13.67	37.08	21.22	37.08	13.20	37.08	35.34	8.29	2.24	2.62
Cpk	13.67	37.08	21.22	37.08	13.20	37.08	35.34	8.29	2.24	2.62
DATA	-	-	-	-	-	-	-	-	-	-
1	1	1	0.999	1	1	1	0.999	-0.059	-0.137	-0.263
2	0.999	1	0.999	1	0.999	1	0.999	-0.031	-0.136	-0.266
3	0.999	1	0.999	1	0.999	1	0.999	-0.047	-0.151	-0.291
4	0.999	1	0.999	1	0.999	1	0.999	-0.041	-0.131	-0.278
5	0.999	1	0.999	1	0.999	1	0.999	-0.117	-0.243	-0.411
6	0.999	1	0.999	1	1	1	0.999	-0.109	-0.194	-0.345
7	0.999	1	0.999	1	1	1	0.999	-0.056	-0.167	-0.299
8	1	1	0.999	1	0.999	1	0.999	-0.045	-0.151	-0.285
9	1	1	0.999	1	1	1	0.999	-0.083	-0.187	-0.333
10	1	1	0.999	1	1	1	0.999	-0.052	-0.136	-0.272
11	0.999	1	1	1	1	1	0.999	-0.215	-0.332	-0.523
12	0.999	1	0.999	1	1	1	0.999	-0.07	-0.154	-0.307
13	1	1	0.999	1	0.999	0.999	0.999	-0.075	-0.169	-0.319
14	0.999	1	0.999	1	0.999	1	0.999	-0.105	-0.196	-0.355
15	1	1	0.999	1	0.999	1	0.999	-0.083	-0.182	-0.324
16	0.999	1	0.999	1	0.999	1	0.999	-0.058	-0.139	-0.273
17	0.999	0.999	0.999	1	0.999	1	0.999	-0.211	-0.327	-0.504
18	1	1	0.999	1	1	1	1	-0.086	-0.172	-0.314
19	0.999	1	0.999	1	0.999	1	0.999	-0.076	-0.178	-0.327
20	0.999	1	0.999	1	0.999	1	0.999	-0.087	-0.201	-0.354
21	1	1	0.999	0.999	0.999	1	0.999	-0.079	-0.185	-0.336
22	0.999	1	0.999	1	0.999	1	0.999	-0.084	-0.173	-0.324
23	0.999	1	0.999	1	1	1	0.999	-0.057	-0.149	-0.285
24	0.999	1	0.999	1	0.999	1	0.999	-0.062	-0.169	-0.31
25	0.999	1	0.999	1	1	1	0.999	-0.087	-0.195	-0.325
26	0.999	1	1	1	1	1	0.999	-0.1	-0.208	-0.346
27	1	1	1	1	0.999	1	0.999	-0.062	-0.155	-0.28
28	0.999	1	0.999	1	0.999	1	0.999	-0.063	-0.161	-0.314
29	1	1	0.999	1	0.999	1	0.999	-0.044	-0.128	-0.258
30	0.999	1	0.999	1	1	1	0.999	-0.067	-0.166	-0.295

Parameter	CH1 IL-1	CH1 IL-1	CH1 IL-1 Phase	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2	CH1 IL-2 Phase	CH1 IL-3
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.52	-0.76	-27.77	-0.19	-0.31	-0.45	-0.61	-0.94	-29.69	-0.04
STD DEV =	0.07	0.07	0.42	0.08	0.05	0.08	0.08	0.16	0.60	0.04
Cpu										
Cpl	2.37	6.15	25.57	3.89	1.40	1.41	1.54	2.18	16.86	8.00
Cpk	2.37	6.15	25.57	3.89	1.40	1.41	1.54	2.18	16.86	8.00
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.45	-0.696	-28.068	-0.077	-0.342	-0.376	-0.433	-0.623	-28.582	-0.029
2	-0.456	-0.71	-27.867	-0.311	-0.321	-0.428	-0.563	-1.147	-30.031	-0.05
3	-0.486	-0.721	-28.067	-0.222	-0.344	-0.548	-0.77	-0.998	-30.013	-0.013
4	-0.455	-0.674	-27.868	-0.194	-0.293	-0.483	-0.715	-1.007	-30.304	-0.012
5	-0.604	-0.845	-28.277	-0.251	-0.368	-0.569	-0.601	-1.054	-29.918	-0.023
6	-0.532	-0.763	-27.107	-0.267	-0.392	-0.503	-0.556	-1.115	-29.5	-0.022
7	-0.493	-0.736	-27.539	-0.213	-0.326	-0.532	-0.752	-0.976	-29.546	-0.012
8	-0.46	-0.673	-26.717	-0.285	-0.323	-0.647	-0.576	-1.078	-29.129	-0.019
9	-0.522	-0.747	-27.785	-0.229	-0.348	-0.548	-0.609	-1.09	-30.436	-0.026
10	-0.456	-0.71	-27.58	-0.246	-0.364	-0.569	-0.601	-1.057	-29.875	-0.019
11	-0.744	-0.969	-28.383	-0.172	-0.288	-0.471	-0.682	-0.917	-29.519	-0.264
12	-0.506	-0.778	-27.44	-0.362	-0.281	-0.505	-0.596	-1.297	-30.687	-0.023
13	-0.509	-0.75	-27.621	-0.237	-0.345	-0.53	-0.75	-0.986	-30.434	-0.049
14	-0.565	-0.829	-27.973	-0.157	-0.261	-0.44	-0.656	-0.911	-29.671	-0.018
15	-0.531	-0.783	-28.173	-0.17	-0.276	-0.432	-0.623	-0.877	-29.698	-0.053
16	-0.455	-0.715	-27.237	-0.074	-0.378	-0.317	-0.476	-0.669	-28.261	-0.034
17	-0.718	-0.956	-28.388	-0.119	-0.225	-0.38	-0.578	-0.832	-29.821	-0.029
18	-0.502	-0.746	-27.887	-0.143	-0.248	-0.412	-0.591	-0.781	-28.832	-0.068
19	-0.51	-0.75	-27.26	-0.075	-0.379	-0.315	-0.481	-0.681	-28.645	-0.044
20	-0.546	-0.795	-27.608	-0.153	-0.262	-0.423	-0.615	-0.825	-29.89	-0.035
21	-0.522	-0.768	-28.173	-0.146	-0.239	-0.391	-0.598	-0.849	-29.898	-0.039
22	-0.513	-0.749	-27.286	-0.231	-0.336	-0.542	-0.768	-0.995	-29.736	-0.033
23	-0.472	-0.722	-27.917	-0.102	-0.293	-0.336	-0.543	-0.791	-29.831	-0.05
24	-0.5	-0.75	-27.931	-0.166	-0.266	-0.422	-0.612	-0.843	-29.097	-0.032
25	-0.5	-0.744	-27.719	-0.334	-0.27	-0.412	-0.565	-1.197	-29.856	-0.039
26	-0.536	-0.774	-28.58	-0.162	-0.27	-0.439	-0.648	-0.894	-29.854	-0.08
27	-0.463	-0.707	-27.192	-0.067	-0.274	-0.315	-0.485	-0.71	-28.912	-0.03
28	-0.522	-0.774	-28.006	-0.175	-0.291	-0.446	-0.666	-0.922	-30.734	-0.033
29	-0.445	-0.687	-27.634	-0.138	-0.24	-0.405	-0.642	-0.912	-30.182	-0.036
30	-0.506	-0.773	-27.893	-0.285	-0.332	-0.443	-0.58	-1.159	-29.84	-0.05

Parameter	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3	CH1 IL-3 Phase	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4	CH1 IL-4
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2
Average =	-0.12	-0.23	-0.37	-0.55	-25.06	-0.07	-0.15	-0.28	-0.45	-0.65
STD DEV =	0.04	0.06	0.07	0.08	0.49	0.06	0.06	0.08	0.10	0.10
Cpu										
Cpl	2.84	3.31	3.14	6.24	23.65	6.06	1.80	2.10	1.92	4.60
Cpk	2.84	3.31	3.14	6.24	23.65	6.06	1.80	2.10	1.92	4.60
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.102	-0.201	-0.37	-0.593	-25.655	-0.036	-0.105	-0.227	-0.383	-0.587
2	-0.137	-0.26	-0.42	-0.625	-25.279	-0.078	-0.174	-0.319	-0.499	-0.704
3	-0.099	-0.213	-0.333	-0.483	-25.115	-0.045	-0.137	-0.255	-0.43	-0.643
4	-0.097	-0.203	-0.333	-0.495	-24.45	-0.041	-0.128	-0.255	-0.455	-0.697
5	-0.094	-0.198	-0.337	-0.519	-25.192	-0.078	-0.165	-0.301	-0.489	-0.726
6	-0.092	-0.195	-0.348	-0.54	-24.748	-0.065	-0.149	-0.275	-0.441	-0.644
7	-0.092	-0.202	-0.319	-0.481	-24.645	-0.042	-0.121	-0.257	-0.413	-0.623
8	-0.101	-0.21	-0.367	-0.546	-25.44	-0.025	-0.12	-0.244	-0.416	-0.601
9	-0.106	-0.201	-0.347	-0.54	-25.592	-0.079	-0.161	-0.303	-0.48	-0.674
10	-0.095	-0.209	-0.343	-0.509	-24.574	-0.016	-0.108	-0.24	-0.394	-0.582
11	-0.346	-0.519	-0.709	-0.917	-25.987	-0.081	-0.185	-0.319	-0.474	-0.64
12	-0.104	-0.22	-0.369	-0.551	-24.824	-0.026	-0.112	-0.234	-0.391	-0.578
13	-0.126	-0.254	-0.388	-0.546	-24.88	-0.052	-0.137	-0.269	-0.45	-0.674
14	-0.098	-0.199	-0.342	-0.53	-25.325	-0.104	-0.191	-0.336	-0.526	-0.727
15	-0.123	-0.229	-0.378	-0.575	-25.458	-0.066	-0.152	-0.282	-0.468	-0.669
16	-0.109	-0.213	-0.349	-0.528	-24.82	-0.017	-0.103	-0.224	-0.379	-0.565
17	-0.1	-0.209	-0.385	-0.631	-26.488	-0.116	-0.201	-0.353	-0.524	-0.721
18	-0.151	-0.27	-0.4	-0.565	-25.039	-0.034	-0.121	-0.252	-0.398	-0.569
19	-0.119	-0.23	-0.353	-0.507	-24.433	-0.03	-0.111	-0.23	-0.39	-0.579
20	-0.103	-0.211	-0.348	-0.555	-25.221	-0.09	-0.179	-0.307	-0.462	-0.649
21	-0.113	-0.214	-0.342	-0.515	-25.488	-0.083	-0.168	-0.303	-0.455	-0.626
22	-0.115	-0.234	-0.351	-0.484	-24.19	-0.336	-0.462	-0.683	-0.912	-1.093
23	-0.124	-0.235	-0.367	-0.529	-24.845	-0.028	-0.112	-0.244	-0.379	-0.536
24	-0.116	-0.222	-0.366	-0.559	-25.109	-0.092	-0.173	-0.299	-0.456	-0.639
25	-0.11	-0.211	-0.358	-0.525	-24.654	-0.095	-0.184	-0.305	-0.485	-0.673
26	-0.145	-0.267	-0.412	-0.59	-24.856	-0.034	-0.116	-0.235	-0.395	-0.602
27	-0.097	-0.204	-0.343	-0.499	-24.566	-0.034	-0.115	-0.228	-0.394	-0.599
28	-0.111	-0.218	-0.358	-0.525	-24.628	-0.05	-0.114	-0.242	-0.41	-0.59
29	-0.097	-0.195	-0.35	-0.565	-25.482	-0.056	-0.14	-0.261	-0.411	-0.559
30	-0.119	-0.221	-0.37	-0.544	-24.828	-0.065	-0.131	-0.263	-0.445	-0.683

Parameter	CH1 IL-4 Phase	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5	CH1 IL-5 Phase	CH1 IL-6	CH1 IL-6	CH1 IL-6
Condition:	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1	-0.5	-0.8
Average =	-28.40	-0.02	-0.10	-0.21	-0.33	-0.47	-25.25	-0.09	-0.19	-0.33
STD DEV =	0.53	0.01	0.01	0.01	0.02	0.03	0.50	0.07	0.08	0.10
Cpu										
Cpl	19.96	47.46	14.68	16.13	14.58	16.39	23.12	4.85	1.36	1.58
Cpk	19.96	47.46	14.68	16.13	14.58	16.39	23.12	4.85	1.36	1.58
DATA	-	-	-	-	-	-	-	-	-	-
1	-27.997	-0.028	-0.094	-0.202	-0.319	-0.434	-24.44	-0.117	-0.21	-0.357
2	-28.868	-0.01	-0.096	-0.206	-0.322	-0.461	-25.054	-0.061	-0.167	-0.313
3	-28.889	-0.005	-0.099	-0.223	-0.344	-0.462	-24.836	-0.044	-0.152	-0.28
4	-28.911	-0.008	-0.093	-0.213	-0.321	-0.432	-24.477	-0.043	-0.139	-0.277
5	-29.468	-0.022	-0.108	-0.228	-0.342	-0.498	-25.756	-0.191	-0.299	-0.469
6	-28.379	-0.019	-0.103	-0.225	-0.34	-0.446	-24.968	-0.208	-0.318	-0.516
7	-28.672	-0.009	-0.098	-0.21	-0.308	-0.431	-25.444	-0.046	-0.143	-0.28
8	-28.637	-0.009	-0.088	-0.197	-0.311	-0.457	-25.122	-0.079	-0.179	-0.327
9	-28.637	-0.01	-0.083	-0.189	-0.307	-0.465	-25.104	-0.039	-0.132	-0.258
10	-27.731	-0.006	-0.099	-0.211	-0.335	-0.447	-25.119	-0.041	-0.124	-0.263
11	-28.133	-0.024	-0.116	-0.241	-0.362	-0.481	-25.108	-0.064	-0.178	-0.315
12	-27.937	-0.024	-0.085	-0.198	-0.334	-0.472	-25.357	-0.037	-0.131	-0.283
13	-29.989	-0.014	-0.096	-0.228	-0.331	-0.428	-24.572	-0.045	-0.144	-0.294
14	-28.389	-0.022	-0.085	-0.208	-0.316	-0.454	-24.778	-0.137	-0.23	-0.384
15	-28.832	-0.02	-0.095	-0.214	-0.323	-0.446	-25.398	-0.062	-0.151	-0.283
16	-28.238	-0.014	-0.09	-0.204	-0.321	-0.441	-25.24	-0.056	-0.158	-0.285
17	-28.482	-0.019	-0.1	-0.221	-0.338	-0.453	-25.024	-0.031	-0.12	-0.251
18	-27.932	-0.02	-0.105	-0.215	-0.328	-0.448	-25.049	-0.042	-0.138	-0.288
19	-27.773	-0.017	-0.093	-0.196	-0.327	-0.476	-25.288	-0.048	-0.142	-0.278
20	-27.844	-0.023	-0.108	-0.231	-0.34	-0.457	-25.199	-0.059	-0.163	-0.29
21	-27.553	-0.02	-0.11	-0.222	-0.332	-0.465	-25.421	-0.157	-0.253	-0.406
22	-28.946	-0.025	-0.117	-0.221	-0.334	-0.464	-25.44	-0.068	-0.157	-0.295
23	-27.857	-0.025	-0.1	-0.21	-0.332	-0.454	-25.023	-0.339	-0.477	-0.723
24	-28.241	-0.023	-0.096	-0.197	-0.339	-0.512	-26.397	-0.053	-0.152	-0.301
25	-28.741	-0.029	-0.118	-0.228	-0.339	-0.465	-25.092	-0.218	-0.319	-0.488
26	-28.265	-0.028	-0.103	-0.21	-0.35	-0.503	-25.432	-0.053	-0.155	-0.295
27	-28.151	-0.029	-0.105	-0.226	-0.365	-0.522	-26.226	-0.061	-0.16	-0.304
28	-28.041	-0.026	-0.11	-0.216	-0.369	-0.534	-26.19	-0.06	-0.15	-0.289
29	-28.19	-0.028	-0.095	-0.211	-0.323	-0.434	-24.645	-0.048	-0.133	-0.268
30	-28.201	-0.032	-0.099	-0.204	-0.346	-0.555	-26.306	-0.116	-0.212	-0.361

Parameter	CH1 IL-6	CH1 IL-6	CH1 IL-6 Phase	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7	CH1 IL-7 Phase	CH1 IL-8
Condition:	100MHZ	125MHZ	60MHZ	100KHZ	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	100KHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit										
LowLimit	-1	-2	-60	-1.1	-0.5	-0.8	-1	-2	-60	-1.1
Average =	-0.48	-0.65	-29.12	-0.04	-0.13	-0.26	-0.42	-0.60	-26.33	-0.07
STD DEV =	0.12	0.13	0.49	0.02	0.02	0.03	0.03	0.04	0.51	0.07
Cpu										
Cpl	1.43	3.36	20.90	16.97	5.10	5.59	5.76	10.69	21.90	5.13
Cpk	1.43	3.36	20.90	16.97	5.10	5.59	5.76	10.69	21.90	5.13
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.497	-0.657	-28.685	-0.036	-0.114	-0.232	-0.394	-0.604	-26.171	-0.03
2	-0.458	-0.623	-29.061	-0.044	-0.15	-0.291	-0.438	-0.596	-26.08	-0.242
3	-0.438	-0.604	-29.301	-0.049	-0.149	-0.304	-0.45	-0.603	-26.326	-0.052
4	-0.425	-0.59	-28.816	-0.036	-0.141	-0.276	-0.41	-0.576	-25.915	-0.023
5	-0.641	-0.827	-29.69	-0.072	-0.182	-0.341	-0.5	-0.656	-26.524	-0.13
6	-0.714	-0.933	-29.964	-0.023	-0.101	-0.235	-0.382	-0.595	-26.215	-0.019
7	-0.419	-0.578	-28.998	-0.018	-0.098	-0.238	-0.389	-0.577	-25.589	-0.019
8	-0.475	-0.678	-29.37	-0.015	-0.107	-0.233	-0.389	-0.599	-26.249	-0.023
9	-0.399	-0.584	-29.147	-0.022	-0.111	-0.234	-0.389	-0.561	-26.411	-0.022
10	-0.39	-0.553	-28.549	-0.019	-0.107	-0.238	-0.383	-0.568	-25.97	-0.022
11	-0.459	-0.595	-28.515	-0.104	-0.193	-0.334	-0.492	-0.681	-26.64	-0.128
12	-0.411	-0.549	-28.496	-0.017	-0.108	-0.239	-0.371	-0.512	-26.552	-0.036
13	-0.452	-0.631	-29.326	-0.021	-0.122	-0.257	-0.392	-0.524	-25.722	-0.037
14	-0.537	-0.703	-29.141	-0.02	-0.111	-0.228	-0.385	-0.564	-25.8	-0.039
15	-0.439	-0.611	-29.425	-0.055	-0.135	-0.265	-0.438	-0.656	-26.634	-0.036
16	-0.438	-0.602	-29.396	-0.033	-0.108	-0.234	-0.402	-0.637	-27.697	-0.023
17	-0.387	-0.568	-29.144	-0.08	-0.178	-0.327	-0.501	-0.706	-26.898	-0.027
18	-0.397	-0.52	-28.071	-0.04	-0.133	-0.262	-0.412	-0.624	-26.826	-0.025
19	-0.409	-0.55	-28.53	-0.026	-0.124	-0.253	-0.395	-0.534	-25.783	-0.02
20	-0.411	-0.543	-28.553	-0.028	-0.12	-0.238	-0.395	-0.585	-25.599	-0.026
21	-0.544	-0.719	-29.47	-0.054	-0.135	-0.275	-0.423	-0.596	-26.074	-0.093
22	-0.462	-0.671	-30.164	-0.023	-0.105	-0.248	-0.405	-0.596	-26.752	-0.164
23	-0.966	-1.163	-30.016	-0.038	-0.122	-0.256	-0.408	-0.601	-26.852	-0.038
24	-0.436	-0.596	-28.951	-0.027	-0.109	-0.224	-0.395	-0.624	-26.469	-0.27
25	-0.671	-0.862	-29.756	-0.037	-0.127	-0.261	-0.406	-0.564	-26.279	-0.134
26	-0.418	-0.57	-29.246	-0.07	-0.164	-0.307	-0.443	-0.594	-25.906	-0.166
27	-0.437	-0.594	-29.065	-0.057	-0.134	-0.28	-0.428	-0.594	-26.171	-0.031
28	-0.434	-0.61	-28.989	-0.033	-0.115	-0.246	-0.397	-0.573	-25.912	-0.085
29	-0.406	-0.559	-29.19	-0.054	-0.14	-0.273	-0.43	-0.606	-26.145	-0.029
30	-0.49	-0.625	-28.584	-0.041	-0.125	-0.248	-0.432	-0.673	-27.66	-0.045

Parameter	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8	CH1 IL-8 Phase	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT1	CH1 CT2
Condition:	30MHZ	60MHZ	100MHZ	125MHZ	60MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit						-63	-39	-34	-30	-63
LowLimit	-0.5	-0.8	-1	-2	-60					
Average =	-0.19	-0.36	-0.52	-0.71	-29.45	-89.99	-70.16	-63.97	-59.66	-89.09
STD DEV =	0.07	0.09	0.11	0.12	0.76	5.82	7.04	6.23	5.78	6.16
Cpu						1.55	1.48	1.60	1.71	1.41
Cpl	1.48	1.53	1.44	3.47	13.46					
Cpk	1.48	1.53	1.44	3.47	13.46	1.55	1.48	1.60	1.71	1.41
DATA	-	-	-	-	-	-	-	-	-	-
1	-0.159	-0.309	-0.453	-0.669	-29.611	-86.314	-59.549	-53.859	-49.506	-102.575
2	-0.303	-0.609	-0.805	-1.027	-31.147	-86.253	-67.804	-61.283	-57.543	-81.35
3	-0.186	-0.34	-0.488	-0.677	-29.393	-98.28	-77.165	-70.539	-68.104	-92.253
4	-0.149	-0.305	-0.447	-0.651	-29.093	-84.608	-68.491	-63.567	-60.205	-84.366
5	-0.27	-0.456	-0.648	-0.857	-31.383	-85.937	-63.438	-57.776	-53.475	-90.4
6	-0.147	-0.302	-0.443	-0.637	-28.745	-92.098	-73.023	-67.205	-65.237	-95.462
7	-0.158	-0.318	-0.484	-0.712	-29.455	-97.318	-67.302	-62.12	-58.621	-85.914
8	-0.141	-0.3	-0.442	-0.617	-28.852	-91.651	-67.667	-62.4	-58.577	-81.357
9	-0.155	-0.308	-0.461	-0.653	-29.399	-85.457	-75.057	-70.97	-65.115	-85.059
10	-0.132	-0.28	-0.466	-0.708	-29.319	-85.718	-72.415	-68.167	-63.491	-99.047
11	-0.27	-0.442	-0.653	-0.911	-31.183	-88.473	-68.709	-60.947	-57.252	-87.057
12	-0.163	-0.335	-0.477	-0.609	-28.442	-85.458	-82.658	-74.639	-67.184	-92.072
13	-0.168	-0.344	-0.478	-0.631	-28.95	-83.57	-65.347	-59.51	-55.101	-92.099
14	-0.164	-0.325	-0.496	-0.741	-29.726	-105.834	-67.572	-61.81	-57.837	-88.197
15	-0.156	-0.313	-0.453	-0.631	-28.636	-82.981	-68.38	-63.288	-60.364	-84.889
16	-0.155	-0.3	-0.43	-0.622	-29.151	-94.956	-80.404	-72.973	-67.028	-96.086
17	-0.15	-0.3	-0.433	-0.632	-29.128	-92.475	-65.642	-60.064	-56.131	-83.419
18	-0.145	-0.294	-0.449	-0.666	-29.615	-88.472	-67.934	-61.037	-57.596	-82.84
19	-0.154	-0.309	-0.457	-0.656	-29.514	-95.457	-65.916	-59.32	-54.989	-81.248
20	-0.154	-0.312	-0.447	-0.633	-29.141	-90.784	-67.032	-59.961	-55.799	-98.258
21	-0.225	-0.395	-0.543	-0.72	-29.444	-81.673	-76.252	-77.824	-70.17	-89.429
22	-0.301	-0.497	-0.658	-0.843	-29.923	-92.874	-69.237	-64.438	-60.838	-87.272
23	-0.147	-0.3	-0.433	-0.628	-29.586	-83.104	-66.204	-59.568	-55.679	-80.382
24	-0.424	-0.661	-0.878	-1.109	-30.956	-84.621	-87.398	-73.558	-70.33	-89.322
25	-0.272	-0.454	-0.605	-0.78	-29.085	-96.558	-65.02	-60.572	-56.999	-87.615
26	-0.308	-0.489	-0.627	-0.8	-29.338	-95.86	-67.828	-65.586	-59.678	-95.573
27	-0.155	-0.301	-0.439	-0.609	-28.861	-84.608	-85.728	-72.135	-66.05	-83.157
28	-0.212	-0.375	-0.506	-0.664	-28.606	-96.774	-63.696	-58.291	-53.714	-93.786
29	-0.153	-0.303	-0.429	-0.621	-28.875	-95.208	-75.156	-65.271	-61.049	-82.656
30	-0.172	-0.319	-0.448	-0.617	-29.053	-86.35	-56.856	-50.491	-46.013	-99.5

Parameter	CH1 CT2	CH1 CT2	CH1 CT2	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT3	CH1 CT4	CH1 CT4	CH1 CT4
Condition:	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-63	-39	-34	-30	-63	-39	-34
LowLimit										
Average =	-74.74	-69.08	-63.56	-89.65	-72.28	-67.76	-62.67	-89.45	-72.55	-67.61
STD DEV =	8.30	7.74	7.07	5.80	6.62	8.11	7.36	6.21	6.79	7.67
Cpu	1.44	1.51	1.58	1.53	1.68	1.39	1.48	1.42	1.65	1.46
Cpl										
Cpk	1.44	1.51	1.58	1.53	1.68	1.39	1.48	1.42	1.65	1.46
DATA	-	-	-	-	-	-	-	-	-	-
1	-66.195	-61.754	-56.817	-93.64	-67.484	-59.916	-53.86	-80.385	-69.065	-61.226
2	-66.062	-63.394	-59.524	-84.592	-76.186	-72.059	-67.171	-87.1	-72.235	-67.712
3	-80.629	-77.393	-68.937	-83.604	-70.573	-65.342	-61.777	-87.924	-70.523	-66.164
4	-75.814	-78	-73.845	-88.664	-71.39	-63.912	-57.306	-99.109	-65.792	-61.305
5	-76.871	-75.907	-65.552	-79.006	-69.366	-60.175	-54.283	-96.09	-75.401	-76.916
6	-72.049	-68.145	-59.598	-102	-65.363	-58.789	-53.08	-83.328	-73.114	-64.081
7	-72.836	-69.117	-61.669	-89.263	-76.458	-70.83	-66.046	-89.444	-75.284	-73.381
8	-72.259	-62.06	-56.49	-90.185	-67.663	-60.367	-56.235	-85.211	-72.064	-66.552
9	-80.562	-72.135	-69.664	-90.792	-76.063	-66.732	-61.855	-90.739	-66.338	-60.088
10	-72.516	-66.223	-61.347	-92.116	-66.82	-63.681	-61.31	-93.53	-82.863	-80.838
11	-81.409	-79.752	-70.939	-92.868	-70.605	-65.472	-62.088	-86.629	-72.349	-69.619
12	-83.665	-80.079	-68.7	-95.464	-69.917	-61.792	-57.467	-80.245	-74.129	-73.93
13	-63.436	-59.403	-56.305	-82.159	-62.24	-57.065	-52.475	-84.552	-70.125	-63.08
14	-70.914	-64.834	-61.033	-80.703	-59.826	-54.11	-49.045	-88.88	-65.405	-61.128
15	-74.639	-73.286	-70.663	-92.099	-69.393	-63.254	-58.722	-95.58	-73.243	-70.198
16	-82.618	-67.907	-62.188	-85.449	-70.455	-79.015	-69.146	-90.523	-83.762	-79.959
17	-61.193	-55.984	-50.842	-88.85	-71.144	-67.904	-71.072	-93.077	-84.099	-73.618
18	-70.088	-68.622	-67.54	-84.36	-72.001	-68.796	-65.721	-90.749	-77.503	-82.402
19	-69.892	-64.009	-57.65	-93.298	-70.483	-76.823	-65.935	-96.514	-68.978	-64.993
20	-78.309	-72.973	-67.214	-89.689	-69.144	-65.009	-64.291	-84.656	-79.424	-75.545
21	-65.18	-60.217	-57.277	-81.582	-82.076	-77.014	-76.47	-91.152	-69.411	-64.772
22	-77.94	-81.481	-74.513	-89.783	-75.765	-72.319	-68.943	-100	-71.313	-67.901
23	-85.536	-76.913	-78.249	-106.082	-81.273	-73.867	-73.45	-93.906	-78.843	-73.3
24	-70.797	-63.153	-57.785	-87.949	-77.76	-72.752	-62.207	-88.565	-57.035	-50.665
25	-85.733	-69.446	-64.268	-86.315	-74.657	-74.941	-70.395	-81.921	-63.46	-57.159
26	-79.308	-80.885	-68.673	-90.786	-88.057	-90.784	-72.279	-78.224	-64.46	-58.018
27	-78.285	-64.074	-63.27	-88.451	-74.363	-68.83	-61.72	-103.078	-79.924	-73.029
28	-97.198	-74.105	-65.409	-95.983	-84.512	-73.003	-66.224	-94.312	-82.576	-68.791
29	-55.838	-50.41	-45.489	-89.838	-78.524	-75.72	-71.733	-87.728	-77.044	-67.382
30	-74.377	-70.881	-65.272	-93.987	-58.973	-52.533	-47.842	-80.283	-60.653	-54.654

Parameter	CH1 CT4	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT5	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT6	CH1 CT7
Condition:	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ	30MHZ	60MHZ	100MHZ	1MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-30	-63	-39	-34	-30	-63	-39	-34	-30	-63
LowLimit										
Average =	-62.56	-89.94	-76.36	-68.35	-65.17	-87.99	-76.70	-69.39	-65.12	-90.14
STD DEV =	7.32	5.10	8.33	7.15	8.73	4.60	7.74	6.38	6.79	4.88
Cpu	1.48	1.76	1.50	1.60	1.34	1.81	1.62	1.85	1.73	1.86
Cpl										
Cpk	1.48	1.76	1.50	1.60	1.34	1.81	1.62	1.85	1.73	1.86
DATA	-	-	-	-	-	-	-	-	-	-
1	-55.508	-83.558	-69.226	-61.417	-57.662	-87.966	-96.142	-72.281	-66.144	-101.995
2	-62.102	-89.757	-85.741	-69.613	-60.476	-86.389	-83.089	-83.185	-76.431	-88.215
3	-61.982	-101.238	-70.8	-64.66	-63.435	-86.347	-81.781	-65.438	-61.194	-93.651
4	-55.447	-86.21	-76.864	-72.499	-69.663	-95.587	-78.302	-71.52	-69.845	-92.465
5	-72.205	-96.108	-80.977	-74.084	-63.324	-90.404	-74.746	-67.801	-62.21	-96.523
6	-59.553	-94.339	-65.487	-58.064	-52.509	-91.941	-77.027	-74.126	-68.522	-91.852
7	-67.437	-89.413	-70.794	-63.141	-60.125	-80.659	-73.183	-65.224	-60.219	-83.46
8	-63.386	-85.963	-73.085	-65.525	-63.607	-98.271	-74.177	-73.186	-67.829	-86.958
9	-55.108	-89.966	-82.523	-74.061	-80.618	-88.848	-74.706	-65.882	-62.424	-92.115
10	-73.206	-91.739	-75.647	-66.01	-62.442	-90.346	-80.326	-68.535	-63.647	-87.546
11	-68.44	-83.797	-89.152	-85.371	-67.217	-93.655	-72.784	-70.813	-68.108	-87.068
12	-66.815	-93.484	-73.887	-67.395	-64.915	-89.057	-67.489	-62.076	-58.682	-84.332
13	-57.122	-84.513	-84.751	-68.626	-64.123	-85.255	-77.7	-73.962	-65.531	-91.109
14	-56.119	-95.586	-75.26	-70.178	-63.007	-82.177	-81.844	-71.517	-64.202	-92.239
15	-66.448	-89.45	-68.878	-64.176	-59.96	-93.792	-64.336	-58.365	-54.04	-92.817
16	-68.138	-92.819	-93.197	-70.29	-63.428	-87.808	-78.91	-71.591	-67.838	-84.736
17	-71.26	-82.789	-60.533	-53.877	-49.344	-92.113	-79.918	-73.872	-74.547	-83.744
18	-77.266	-104.158	-82.55	-71.514	-77.091	-95.86	-83.493	-76.953	-74.145	-88.676
19	-60.056	-89.743	-65.692	-60.618	-55.079	-86.494	-81.906	-77.205	-69.683	-84.939
20	-73.258	-87.254	-86.501	-74.471	-81.262	-90.968	-77.844	-70.474	-69.818	-97.063
21	-60.857	-89.277	-89.875	-85.675	-77.386	-83.048	-66.274	-59.444	-54.675	-100.013
22	-61.968	-82.828	-82.014	-75.065	-76.36	-86.801	-76.846	-72.451	-64.162	-89.977
23	-67.658	-87.202	-75.616	-74.192	-82.349	-85.213	-62.753	-57.398	-51.797	-89.32
24	-46.348	-87.257	-72.669	-65.918	-58.885	-81.215	-65.496	-59.266	-54.702	-95.494
25	-52.166	-84.324	-67.409	-63.215	-59.213	-83.385	-72.778	-69.494	-68.066	-81.29
26	-54.085	-89.444	-61.965	-56.153	-51.38	-90.381	-82.544	-74.092	-72.052	-87.47
27	-66.324	-95.992	-81.03	-73.172	-74.912	-85.835	-93.762	-73.202	-70.832	-86.125
28	-63.85	-91.47	-73.639	-68.014	-65.781	-81.034	-79.847	-72.543	-72.189	-93.3
29	-61.86	-90.766	-82.809	-69.795	-68.023	-83.358	-63.992	-56.363	-50.778	-90.465
30	-50.737	-87.776	-72.108	-63.59	-61.463	-85.577	-76.865	-73.474	-69.343	-89.261

Parameter	CH1 CT7	CH1 CT7	CH1 CT7	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1	CH2 RL-1
Condition:	30MHZ	60MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-39	-34	-30	-18	-18	-18	-16	-14.4	-12	-10
LowLimit										
Average =	-68.13	-62.52	-59.02	-30.46	-28.88	-29.23	-26.24	-21.77	-19.42	-13.75
STD DEV =	5.25	6.52	6.82	2.69	2.68	2.68	2.45	1.49	1.53	0.79
Cpu	1.85	1.46	1.42	1.55	1.36	1.40	1.40	1.65	1.61	1.58
Cpl										
Cpk	1.85	1.46	1.42	1.55	1.36	1.40	1.40	1.65	1.61	1.58
DATA	-	-	-	-	-	-	-	-	-	-
1	-75.595	-70.746	-64.603	-31.117	-30.834	-24.736	-28.215	-23.869	-18.089	-14.592
2	-63.363	-55.511	-52.132	-31.844	-34.016	-30.641	-29.644	-22.8	-19.951	-13.185
3	-61.5	-56.507	-52.318	-33.061	-29.737	-25.278	-26.111	-19.416	-19.005	-14.884
4	-65.434	-58.026	-55.478	-32.8	-33.196	-30.544	-23.47	-22.693	-20.213	-14.349
5	-64.781	-58.398	-54.332	-32.31	-25.34	-24.759	-29.286	-23.116	-18.6	-12.877
6	-62.385	-57.755	-53.314	-29.351	-29.965	-30.238	-27.028	-20.242	-17.696	-14.716
7	-69.504	-63.021	-56.431	-32.014	-26.577	-25.484	-24.995	-22.38	-17.587	-12.97
8	-75.737	-79.72	-70.876	-27.768	-29.628	-31.072	-24.019	-20.761	-21.639	-12.741
9	-80.126	-82.937	-76.012	-24.9	-25.781	-32.838	-27.644	-22.822	-17.545	-12.852
10	-74.076	-68.972	-67.375	-26.585	-25.992	-31.326	-27.047	-23.766	-18.905	-12.914
11	-78.648	-70.539	-77.19	-25.491	-25.591	-26.332	-30.544	-23.286	-20.106	-13.521
12	-70.243	-64.837	-61.239	-32.023	-30.985	-30.838	-28.323	-20.468	-17.782	-14.467
13	-66.095	-60.439	-56.411	-32.733	-30.666	-26.53	-27.221	-19.883	-17.818	-12.768
14	-74.698	-66.958	-68.579	-33.751	-29.024	-28.305	-25.689	-21.982	-21.63	-14.603
15	-67.314	-60.87	-55.898	-33.812	-30.551	-28.406	-22.653	-18.617	-19.528	-14.687
16	-68.675	-63.834	-61.252	-31.433	-30.512	-28.695	-25.585	-22.293	-20.454	-14.724
17	-69.872	-61.676	-57.982	-29.371	-25.961	-29.086	-23.4	-19.392	-17.954	-14.544
18	-62.42	-55.535	-52.395	-29.281	-24.905	-33.361	-27.235	-22.881	-21.274	-13.444
19	-65.681	-60.46	-55.952	-31.219	-34.003	-29.113	-30.587	-23.354	-21.43	-14.125
20	-69.051	-61.949	-58.734	-27.07	-32.933	-32.697	-30.704	-22.721	-18.148	-13.018
21	-68.433	-59.74	-56.387	-26.319	-27.168	-31.469	-24.662	-23.653	-21.12	-13.671
22	-67.133	-60.345	-57.759	-33.37	-25.576	-25.318	-27.6	-23.358	-17.371	-13.248
23	-60.615	-54.879	-51.053	-27.064	-26.182	-32.251	-24.484	-22.497	-20.885	-13.814
24	-74.599	-65.043	-64.856	-30.867	-26.318	-32.686	-24.366	-22.738	-20.65	-14.378
25	-64.587	-59.583	-55.216	-32.144	-29.776	-25.35	-22.56	-21.279	-16.76	-14.438
26	-62.49	-57.586	-53.706	-28.492	-28.36	-28.588	-23.366	-20.408	-20.927	-15.017
27	-63.633	-58.512	-55.287	-28.072	-29.909	-31.614	-22.945	-20.167	-20.797	-12.587
28	-69.488	-63.639	-57.56	-33.059	-30.741	-28.034	-24.873	-20.59	-20.104	-12.614
29	-62.154	-57.757	-54.044	-32.794	-29.291	-31.921	-24.722	-20.516	-17.534	-13.106
30	-65.507	-59.965	-56.353	-33.554	-27.011	-29.293	-28.296	-21.033	-21.138	-13.621

Parameter	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-2	CH2 RL-3	CH2 RL-3	CH2 RL-3
Condition:	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-18	-18	-16	-14.4	-12	-10	-18	-18	-18
LowLimit										
Average =	-30.09	-29.78	-29.16	-27.51	-21.08	-19.18	-14.05	-28.11	-29.84	-29.28
STD DEV =	2.38	2.56	2.61	2.40	1.53	1.42	0.73	2.49	2.73	2.73
Cpu	1.69	1.53	1.43	1.60	1.45	1.68	1.86	1.35	1.44	1.38
Cpl										
Cpk	1.69	1.53	1.43	1.60	1.45	1.68	1.86	1.35	1.44	1.38
DATA	-	-	-	-	-	-	-	-	-	-
1	-30.415	-33.134	-29.847	-29.432	-21.394	-19.17	-14.57	-25.498	-29.475	-32.795
2	-27.153	-30.863	-31.143	-25.28	-21.799	-18.422	-13.543	-28.402	-28.041	-34.065
3	-30.88	-32.975	-30.24	-26.2	-19.649	-21.547	-13.193	-24.88	-29.901	-25.506
4	-30.044	-32.052	-26.529	-30.165	-19.166	-20.121	-13.427	-32.587	-32.181	-29.287
5	-27.688	-31.227	-31.988	-29.387	-22.2	-17.107	-14.359	-26.405	-28.951	-28.389
6	-33.135	-28.145	-30.169	-29.046	-20.117	-19.184	-13.39	-30.753	-28.118	-26.605
7	-33.199	-26.69	-25.663	-29.347	-21.089	-18.437	-14.657	-26.652	-32.858	-29.19
8	-24.997	-28.78	-33.301	-29.556	-22.436	-17.958	-14.846	-32.017	-29.542	-28.835
9	-30.663	-26.463	-27.643	-26.811	-20.432	-18.146	-14.869	-24.87	-28.125	-25.573
10	-28.068	-29.573	-28.172	-30.865	-23.719	-20.827	-15.104	-25.957	-27.63	-32.288
11	-30.1	-25.604	-27.317	-27.291	-19.871	-20.481	-14.644	-28.226	-32.471	-30.571
12	-29.077	-28.673	-33.461	-29.953	-21.598	-19.811	-12.889	-31.129	-26.961	-27.862
13	-29.175	-32.801	-26.094	-24.046	-18.642	-17.438	-13.607	-28.705	-25.709	-28.607
14	-33.606	-30.124	-31.053	-29.974	-23.89	-19.57	-14.715	-25.417	-32.166	-31.534
15	-29.625	-29.003	-32.121	-29.66	-19.614	-18.364	-13.049	-24.639	-33.548	-27.346
16	-33.662	-29.044	-32.773	-26.688	-21.295	-20.886	-14.446	-32.001	-32.987	-25.677
17	-33.083	-33.812	-25.014	-31.069	-23.402	-16.618	-13.751	-27.504	-26.226	-28.359
18	-29.346	-29.275	-25.8	-26.819	-23.05	-17.967	-14.568	-24.918	-33.56	-25.516
19	-32.431	-29.445	-32.477	-27.579	-21.251	-20.814	-14.404	-28.242	-33.502	-33.321
20	-31.271	-28.44	-32.121	-25.67	-21.114	-17.682	-12.944	-26.742	-25.183	-32.771
21	-33.595	-29.685	-25.09	-29.213	-20.406	-17.702	-14.819	-25.61	-33.79	-24.649
22	-29.974	-31.838	-28.843	-28.015	-22.107	-21.548	-13.911	-26.639	-30.627	-31.697
23	-27.15	-33.135	-26.824	-26.807	-23.746	-20.805	-13.884	-27.313	-29.249	-29.263
24	-29.733	-26.206	-27.881	-23.089	-22.824	-19.566	-14.912	-32.144	-30.864	-29.434
25	-29.683	-33.412	-29.69	-30.595	-20.485	-20.894	-13.401	-29.72	-25.579	-29.621
26	-29.191	-32.536	-26.753	-26.293	-19.085	-17.931	-13.103	-29.959	-32.654	-30.688
27	-25.845	-26.69	-27.832	-25.573	-19.93	-17.166	-14.83	-32.101	-26.757	-32.495
28	-28.063	-24.94	-29.826	-23.642	-19.362	-19.088	-12.746	-28.026	-32.711	-26.702
29	-33.745	-26.942	-27.146	-24.499	-19.445	-20.77	-14.869	-29.35	-28.878	-33.561
30	-28.006	-32.032	-32.094	-22.805	-19.419	-19.366	-14.033	-27.002	-26.911	-26.178

Parameter	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-3	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4	CH2 RL-4
Condition:	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4	-12
LowLimit										
Average =	-27.04	-21.53	-19.53	-13.88	-29.52	-29.76	-29.89	-27.02	-21.35	-19.46
STD DEV =	2.47	1.64	1.59	0.80	2.46	2.60	2.77	2.54	1.51	1.72
Cpu	1.49	1.45	1.58	1.62	1.56	1.51	1.43	1.45	1.54	1.45
Cpl										
Cpk	1.49	1.45	1.58	1.62	1.56	1.51	1.43	1.45	1.54	1.45
DATA	-	-	-	-	-	-	-	-	-	-
1	-29.048	-19.54	-19.213	-13.3	-24.906	-24.964	-30.121	-29.783	-19.367	-20.252
2	-24.809	-19.413	-21.889	-13.837	-25.349	-29.036	-33.892	-29.174	-19.115	-17.964
3	-28.167	-23.338	-18.327	-15.091	-32.371	-29.174	-30.354	-30.715	-20.712	-17.736
4	-28.036	-23.789	-20.254	-14.154	-26.608	-32.277	-33.053	-30.298	-19.194	-20.483
5	-30.345	-18.915	-20.89	-12.579	-32.111	-25.377	-24.935	-29.85	-20.519	-19.015
6	-22.907	-22.448	-18.005	-12.79	-27.266	-31.398	-30.317	-30.139	-23.053	-20.348
7	-29.723	-23.227	-18.844	-14.546	-31.375	-32.238	-26.526	-23.684	-20.894	-16.682
8	-28.947	-22.302	-20.28	-13.604	-30.704	-33.273	-28.936	-23.683	-23.454	-21.787
9	-30.579	-23.402	-20.409	-12.798	-32.024	-31.76	-32.897	-23.956	-22.668	-21.31
10	-22.816	-20.185	-20.876	-14.537	-28.384	-27.185	-26.915	-27.089	-20.144	-21.763
11	-23.83	-18.991	-21.722	-13.55	-28.48	-30.545	-29.396	-25.308	-20.303	-17.003
12	-23.385	-19.967	-18.696	-14.002	-33.882	-30.137	-32.657	-25.936	-23.439	-19.614
13	-24.674	-23.657	-20.237	-14.342	-33.703	-26.811	-33.576	-27.343	-23.685	-20.433
14	-29.657	-19.071	-19.02	-14.661	-30.913	-29.321	-28.898	-27.115	-21.934	-20.278
15	-25.241	-20.183	-20.602	-15.009	-30.62	-31.471	-27.314	-28.926	-23.214	-19.934
16	-26.339	-21.756	-22.051	-12.901	-30.723	-28.426	-28.969	-29.011	-22.283	-21.176
17	-24.907	-20.552	-19.675	-13.051	-27.74	-28.991	-24.594	-28.018	-21.515	-18.533
18	-28.713	-23.047	-16.707	-14.199	-30.548	-33.563	-32.073	-31.068	-19.899	-17.221
19	-28.028	-21.121	-22.029	-13.838	-25.994	-25.811	-32.686	-27.007	-20.486	-22.027
20	-29.101	-21.72	-18.674	-14.94	-27.264	-26.81	-33.39	-24.403	-21.253	-21.292
21	-25.737	-22.787	-19.994	-14.672	-29.85	-32.727	-27.793	-23.847	-18.703	-16.699
22	-28.28	-21.829	-19.048	-15.124	-28.311	-26.174	-33.517	-23.908	-23.339	-19.178
23	-26.723	-20.385	-17.347	-13.315	-27.343	-31.073	-26.419	-28.895	-21.263	-18.054
24	-30.883	-22.523	-18.253	-12.58	-25.751	-33.002	-29.318	-26.076	-20.732	-20.591
25	-29.46	-23.508	-21.427	-12.65	-31.552	-28.037	-29.285	-24.91	-20.946	-17.579
26	-24.843	-23.083	-21.293	-14.207	-30.302	-29.691	-30.248	-28.33	-22.588	-21.997
27	-25.501	-19.517	-16.607	-13.088	-32.041	-32.72	-33.246	-27.566	-21.689	-18.675
28	-23.346	-24.068	-17.211	-14.521	-29.389	-29.883	-26.755	-29.077	-20.509	-18.343
29	-28.869	-20.11	-17.981	-14.458	-28.2	-27.194	-32.014	-22.608	-19.563	-16.867
30	-28.383	-21.473	-18.309	-14.011	-31.77	-33.689	-26.611	-22.879	-24.03	-21.109

Parameter	CH2 RL-4	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-5	CH2 RL-6	CH2 RL-6
Condition:	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-10	-18	-18	-18	-16	-14.4	-12	-10	-18	-18
LowLimit										
Average =	-14.04	-29.98	-29.06	-29.01	-26.92	-21.81	-19.32	-13.83	-29.74	-28.83
STD DEV =	0.66	2.58	2.68	2.70	2.17	1.79	1.53	0.65	2.57	2.66
Cpu	2.05	1.55	1.38	1.36	1.68	1.38	1.60	1.97	1.52	1.36
Cpl										
Cpk	2.05	1.55	1.38	1.36	1.68	1.38	1.60	1.97	1.52	1.36
DATA	-	-	-	-	-	-	-	-	-	-
1	-15.075	-31.601	-29.225	-30.209	-29.695	-23.196	-17.04	-14.161	-25.464	-32.101
2	-13.566	-25.905	-30.464	-31.181	-28.323	-23.05	-20.385	-14.449	-31.258	-32.051
3	-14.632	-25.809	-29.311	-31.908	-31.077	-21.502	-18.971	-14.876	-29.517	-29.53
4	-14.31	-34.03	-26.296	-27.313	-27.802	-21.237	-21.141	-14.076	-28.983	-32.237
5	-14.773	-32.46	-29.256	-31.286	-26.511	-22.965	-20.16	-13.316	-30.41	-29.612
6	-13.2	-27.309	-29.141	-32.709	-22.908	-18.603	-17.987	-14.037	-34.044	-27.557
7	-14.598	-29.288	-30.516	-25.129	-23.139	-19.814	-20.451	-13.903	-28.642	-25.388
8	-12.834	-30.184	-25.961	-25.316	-29.343	-23.643	-16.889	-13.208	-27.623	-29.103
9	-13.679	-33.567	-25.673	-25.674	-24.277	-18.803	-21.475	-12.796	-33.309	-28.023
10	-13.033	-32.178	-26.602	-28.378	-28.912	-23.607	-18.559	-14.352	-29.991	-25.032
11	-13.811	-26.446	-31.643	-28.043	-23.985	-22.902	-17.811	-14.414	-26.533	-26.044
12	-13.584	-28.814	-33.802	-32.61	-26.73	-18.929	-21.263	-12.897	-33.308	-27.47
13	-14.05	-27.409	-30.293	-29.1	-27.34	-23.253	-18.121	-14.41	-28.412	-32.218
14	-13.907	-32.809	-25.492	-28.907	-28.724	-20.001	-16.754	-13.964	-27.364	-30.431
15	-14.271	-27.061	-32.385	-27.028	-25.169	-23.867	-18.412	-13.161	-32.957	-32.61
16	-14.589	-34.014	-29.282	-32.488	-24.104	-23.78	-19.405	-13.747	-31.865	-27.615
17	-14.935	-26.019	-27.937	-26.318	-27.261	-21.462	-20.2	-14.844	-28.877	-27.018
18	-14.939	-31.652	-27.343	-32.564	-24.574	-23.21	-19.394	-13.071	-27.018	-32.14
19	-14.501	-30.929	-28.77	-25.917	-25.145	-24.082	-18.398	-13.277	-32.885	-27.832
20	-13.098	-30.95	-34.113	-32.405	-25.329	-18.604	-21.083	-13.046	-31.837	-26.815
21	-14.8	-31.477	-28.059	-32.531	-25.911	-22.737	-18.242	-14.525	-27.686	-32.52
22	-14.405	-31.927	-33.609	-28.369	-29.461	-21.76	-17.124	-13.64	-27.714	-27.462
23	-13.445	-33.918	-25.386	-29.651	-26.345	-19.066	-18.242	-14.286	-32.022	-24.947
24	-13.527	-28.77	-24.691	-32.001	-24.785	-23.451	-20.327	-13.097	-25.348	-30.797
25	-13.612	-30.557	-30.173	-24.78	-29.24	-21.331	-21.954	-14.409	-33.45	-25.076
26	-13.733	-30.112	-25.105	-24.626	-29.355	-22.537	-18.874	-14.777	-31.794	-25.171
27	-13.038	-29.541	-29.77	-27.902	-28.822	-23.465	-21.445	-14.35	-26.5	-25.46
28	-14.943	-30.022	-28.649	-26.324	-28.5	-19.872	-17.988	-13.643	-29.602	-30.484
29	-13.76	-28.608	-33.549	-30.978	-26.647	-22.703	-20.796	-12.688	-31.038	-32.544
30	-14.46	-26.029	-29.323	-28.66	-28.305	-20.754	-20.767	-13.381	-26.678	-29.612

Parameter	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-6	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7	CH2 RL-7
Condition:	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
HighLimit	-18	-16	-14.4	-12	-10	-18	-18	-18	-16	-14.4
LowLimit										
Average =	-28.45	-27.28	-21.16	-19.44	-13.82	-29.45	-28.98	-28.79	-26.94	-21.11
STD DEV =	2.44	2.15	1.58	1.38	0.76	2.50	2.49	2.61	2.27	1.39
Cpu	1.43	1.75	1.42	1.80	1.68	1.53	1.47	1.38	1.60	1.61
Cpl										
Cpk	1.43	1.75	1.42	1.80	1.68	1.53	1.47	1.38	1.60	1.61
DATA	-	-	-	-	-	-	-	-	-	-
1	-26.584	-27.02	-21.231	-18.991	-13.691	-32.879	-29.655	-28.528	-30.248	-22.952
2	-26.196	-28.362	-22.593	-18.039	-14.77	-28.258	-29.918	-33.733	-28.159	-20.625
3	-30.38	-25.393	-23.542	-17.543	-12.614	-28.603	-30.214	-33.412	-28.654	-21.889
4	-32.099	-28.685	-20.57	-18.469	-14.108	-29.19	-31.218	-27.538	-25.204	-19.096
5	-24.669	-26.018	-20.262	-17.199	-13.179	-30.421	-26.464	-28.52	-23.699	-20.495
6	-27.05	-28.064	-19.428	-21.514	-12.657	-29.407	-32.197	-25.811	-25.752	-19.084
7	-25.966	-29.045	-22.704	-21.256	-12.956	-25.943	-24.56	-26.552	-23.876	-20.375
8	-27.201	-22.604	-20.086	-20.023	-14.555	-26.646	-33.947	-24.916	-29.035	-22.888
9	-31.408	-29.447	-21.393	-21.501	-14.583	-29.964	-32.551	-26.328	-29.755	-20.297
10	-27.907	-28.493	-21.074	-18.953	-13.894	-32.734	-25.16	-30.789	-27.823	-22.413
11	-27.958	-26.011	-23.709	-20.963	-15.099	-27.801	-29.932	-31.776	-24.725	-19.407
12	-32.581	-28.311	-19.124	-19.288	-14.085	-28.979	-24.749	-33.07	-24.609	-18.828
13	-29.895	-25.735	-23.669	-20.302	-13.567	-32.147	-26.352	-25.173	-30.766	-23.601
14	-28.769	-28.782	-19.777	-21.548	-13.938	-33.341	-28.865	-27.754	-29.552	-22.451
15	-32.195	-27.733	-19.944	-20.351	-12.897	-27.652	-32.517	-30.52	-26.305	-22.697
16	-29.103	-23.419	-21.118	-19.297	-13.798	-27.737	-25.606	-30.145	-26.836	-19.947
17	-29.288	-28.204	-19.694	-18.194	-14.781	-30.652	-29.78	-25.591	-30.29	-20.943
18	-25.659	-25.819	-19.114	-18.902	-14.591	-32.984	-30.444	-28.138	-28.15	-20.395
19	-32.945	-29.71	-23.14	-21.384	-12.564	-31.299	-27.782	-25.782	-30.236	-20.4
20	-29.389	-24.833	-23.657	-17.777	-12.568	-33.756	-27.053	-27.594	-25.255	-20.106
21	-25.326	-27.925	-18.681	-19.851	-13.941	-26.504	-28.298	-29.254	-27.005	-20.766
22	-28.652	-23.21	-19.901	-19.75	-13.899	-26.161	-31.673	-30.305	-26.065	-20.464
23	-25.432	-28.41	-21.899	-16.572	-14.433	-27.507	-28.607	-26.475	-23.364	-22.623
24	-28.872	-30.576	-21.492	-19.465	-14.313	-32.044	-26.101	-28.713	-26.898	-19.423
25	-26.375	-22.939	-19.477	-18.367	-14.723	-25.052	-31.83	-28.281	-29.977	-21.5
26	-25.201	-29.053	-19.568	-20.378	-13.569	-25.413	-27.262	-25.418	-23.435	-22.952
27	-32.284	-28.348	-21.526	-20.666	-14.588	-28.106	-30.465	-30.866	-26.659	-22.652
28	-28.52	-27.865	-22.472	-20.325	-12.817	-30.437	-27.313	-32.318	-25.058	-22.085
29	-26.028	-29.821	-23.688	-17.692	-14.252	-31.604	-29.63	-27.92	-24.946	-19.437
30	-29.701	-28.629	-20.298	-18.749	-13.119	-30.205	-29.23	-32.447	-25.894	-22.44

Parameter	CH2 RL-7	CH2 RL-7	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	CH2 RL-8	Hipot
Condition:	80MHZ	100MHZ	2MHZ	30MHZ	40MHZ	50MHZ	60MHZ	80MHZ	100MHZ	1500VAC/ 60s/1mA
Pins										
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB	
HighLimit	-12	-10	-18	-18	-18	-16	-14.4	-12	-10	
LowLimit										
Average =	-19.26	-13.72	-29.64	-29.56	-29.43	-27.10	-21.68	-19.18	-13.62	
STD DEV =	1.63	0.73	2.75	2.67	2.35	2.23	1.61	1.54	0.82	
Cpu	1.49	1.69	1.41	1.44	1.62	1.66	1.50	1.55	1.48	
Cpl										
Cpk	1.49	1.69	1.41	1.44	1.62	1.66	1.50	1.55	1.48	
DATA	-	-	-	-	-	-	-	-	-	
1	-21.848	-14.73	-27.279	-30.183	-30.125	-25.745	-22.743	-20.377	-13.228	Pass
2	-17.146	-13.979	-32.488	-28.985	-30.769	-25.182	-20.401	-19.584	-14.079	Pass
3	-19.225	-12.874	-33.974	-31.548	-27.914	-29.199	-21.956	-17.066	-14.129	Pass
4	-21.682	-14.967	-27.884	-27.574	-25.335	-28.428	-20.773	-21.135	-12.558	Pass
5	-19.751	-14.076	-33.478	-33.519	-27.358	-27.67	-20.655	-18.659	-12.66	Pass
6	-18.822	-13.577	-26.533	-28.573	-31.487	-27.757	-23.081	-18.779	-14.839	Pass
7	-20.085	-12.676	-27.354	-29.746	-29.673	-24.767	-23.904	-20.005	-12.984	Pass
8	-19.774	-13.87	-25.364	-30.872	-29.989	-26.167	-20.735	-17.098	-14.907	Pass
9	-19.026	-13.913	-32.048	-26.135	-29.356	-23.472	-23.203	-18.868	-13.396	Pass
10	-19.57	-12.591	-28.548	-28.041	-28.198	-30.954	-23.784	-21.765	-13.015	Pass
11	-21.556	-13.444	-30.779	-26.889	-27.542	-27.866	-21.278	-19.974	-14.426	Pass
12	-19.941	-13.783	-32.121	-27.054	-33.339	-26.796	-18.759	-18.178	-15.072	Pass
13	-21.21	-14.033	-32.284	-33.374	-27.262	-28.724	-19.959	-17.933	-14.319	Pass
14	-16.776	-13.01	-29.737	-33.955	-29.362	-23.267	-19.621	-18.927	-14.863	Pass
15	-21.418	-13.447	-29.875	-27.497	-29.074	-29.449	-23.253	-17.007	-13.424	Pass
16	-20.455	-14.959	-26.564	-25.795	-29.577	-27.477	-20.329	-20.539	-12.891	Pass
17	-17.099	-13.075	-25.766	-30.55	-33.3	-31.081	-23.766	-18.214	-12.597	Pass
18	-18.678	-14.601	-24.871	-31.899	-30.409	-30.001	-19.717	-17.544	-12.876	Pass
19	-16.745	-13.197	-28.888	-26.782	-25.979	-26.116	-22.573	-16.752	-12.584	Pass
20	-16.883	-14.471	-32.596	-26.287	-29.503	-28.343	-22.608	-19.144	-14.544	Pass
21	-18.049	-12.814	-30.97	-33.399	-29.561	-26.416	-21.103	-17.902	-13.552	Pass
22	-21.421	-13.662	-25.909	-33.001	-31.974	-23.845	-19.75	-19.434	-13.003	Pass
23	-16.61	-12.961	-33.416	-26.998	-30.422	-27.584	-23.844	-18.431	-14.064	Pass
24	-18.822	-14.8	-32.452	-27.406	-33.205	-23.339	-22.477	-20.951	-15.024	Pass
25	-19.013	-14.98	-33.973	-25.69	-24.747	-26.013	-18.816	-20.186	-12.875	Pass
26	-18.439	-13.083	-28.851	-33.39	-28.118	-24.996	-20.951	-20.41	-13.637	Pass
27	-18.817	-12.999	-27.214	-27.589	-29.005	-26.3	-21.51	-22.09	-12.588	Pass
28	-20.402	-14.425	-29.205	-31.128	-33.423	-30.62	-23.945	-20.161	-13.337	Pass
29	-17.543	-13.272	-30.295	-32.411	-25.352	-29.508	-20.901	-16.631	-13.254	Pass
30	-21.089	-13.299	-28.35	-30.431	-31.525	-25.895	-23.911	-21.599	-13.884	Pass