



2400-2500 & 5150-5875 MHz DUAL BAND WLAN / BLUETOOTH ANTENNA

Part Number: X-2344656-X

(see page 5 for details)

FEATURES & BENEFITS

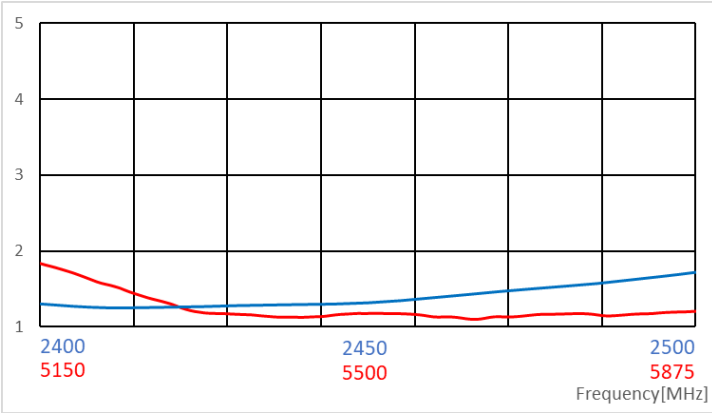
- Adhesive backing on FPC simplifies mounting within the device
- Omnidirectional coverage
- Efficient design reduces power usage
- No matching components required
- Wide selection of micro-coaxial cable lengths from 50 to 200mm

SPECIFICATIONS (Shown as 2344656-1 : Others can vary with different cable lengths.)

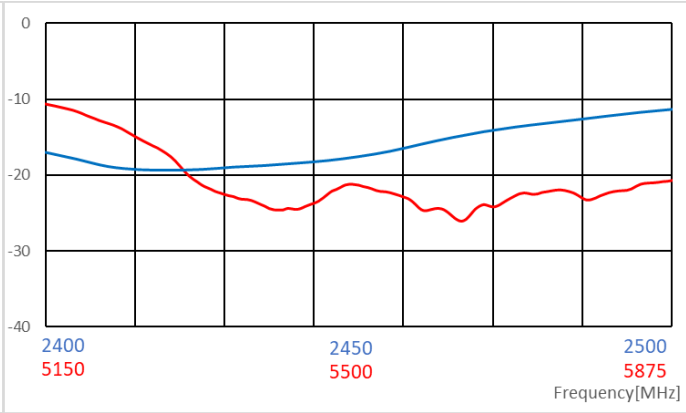
Frequency Range (MHz)	2400-2500	5150-5875
VSWR	< 2.0:1	< 2.0:1
Average Efficiency	80%	80%
Peak Gain	2.5dBi	7.0dBi
Average Gain	-1.8dB	0.1dB
Power Handling	10 Watt cw	
Feed Point Impedance	50 ohms unbalanced	
Polarization	Linear	
Size	30 mm x 9.5 mm x 0.2 mm	
Weight	< 0.7 g	
Mounting	Adhesive Tape	
Mating Connector	MHF and MHF4-type, Refer to page 5	
Cable (Coaxial)	0.81mm and 1.13mm Dia., Refer to page 5	
Operating Temperature	-40 to +85°C	
Storage Temperature	-40 to +85°C	
Hazardous Materials	A certificate of conformance is available from the product page on TE website.	

RF DATA (Shown as 2344656-1 : Others can vary with different cable lengths.)

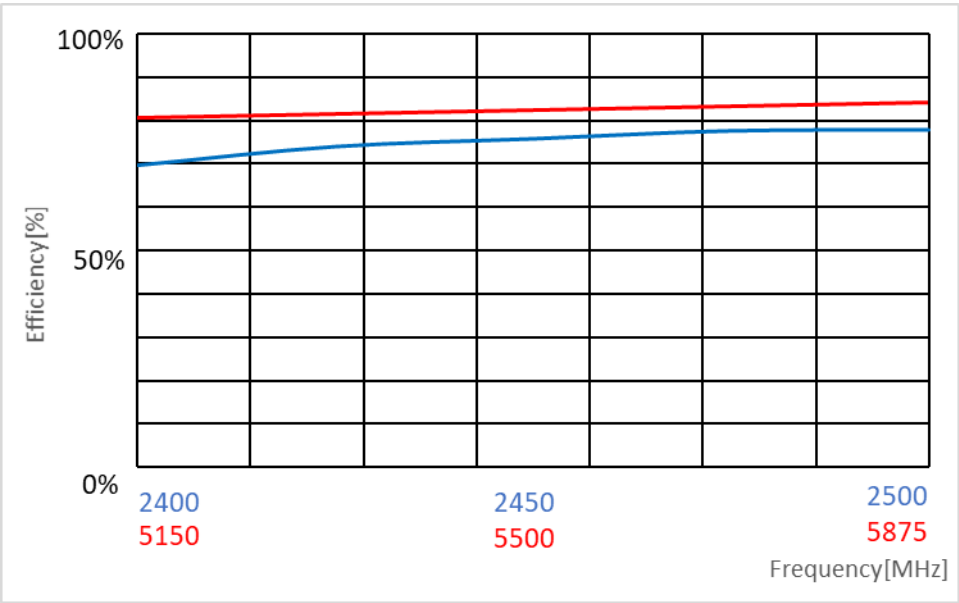
VSWR



Return Loss



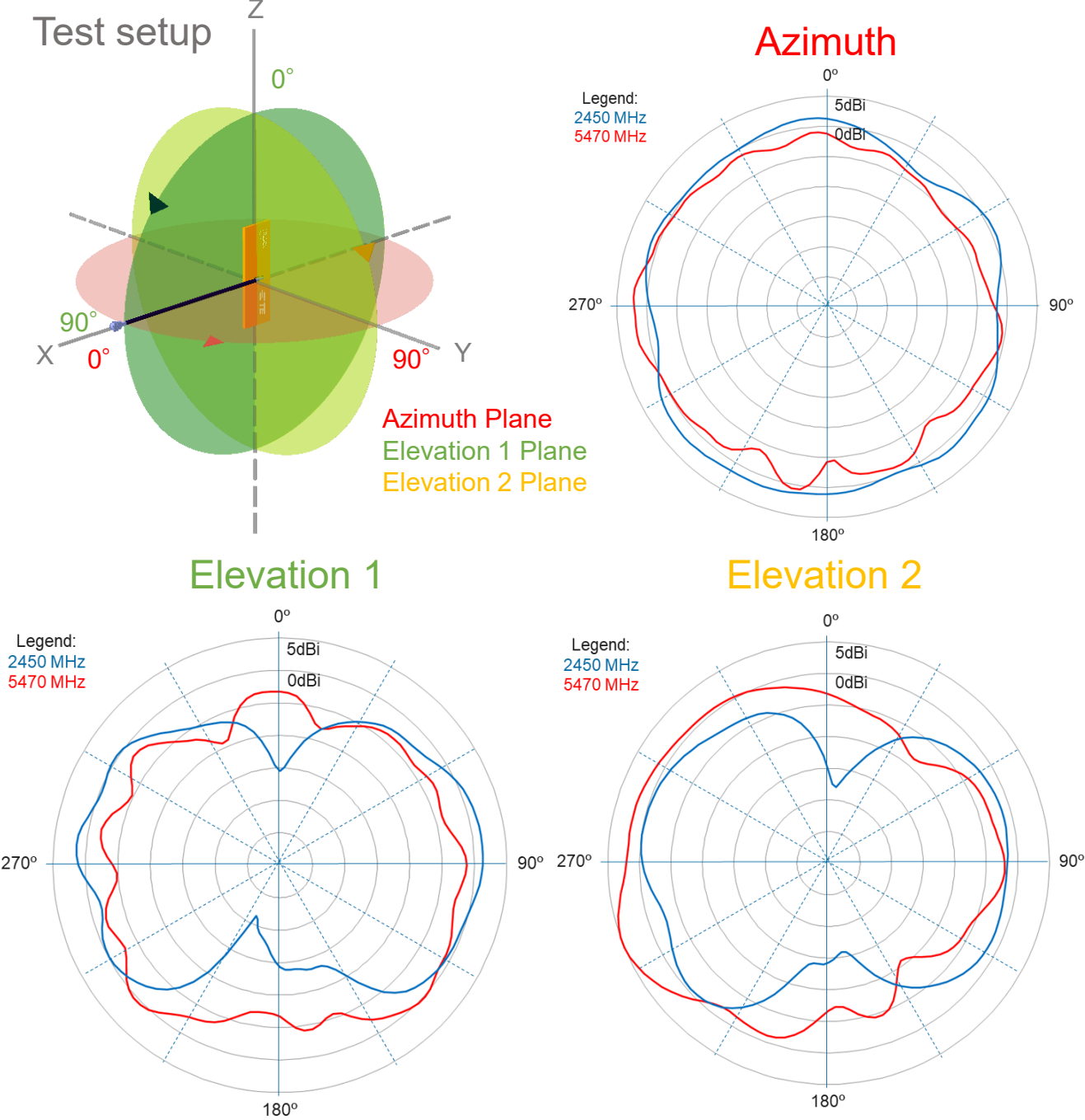
Efficiency



Data measured in free space and on plastic board.

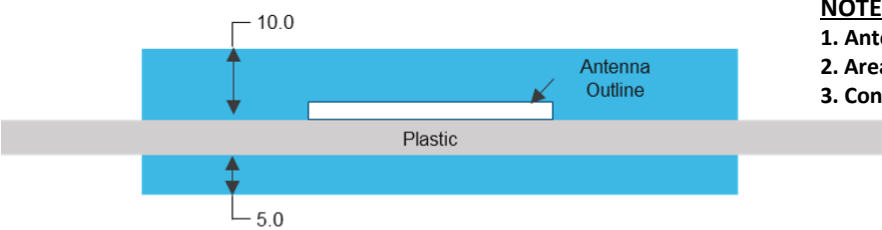
RADIATION PATTERN

(Shown as 2344656-1 : Others can vary with different cable lengths.)

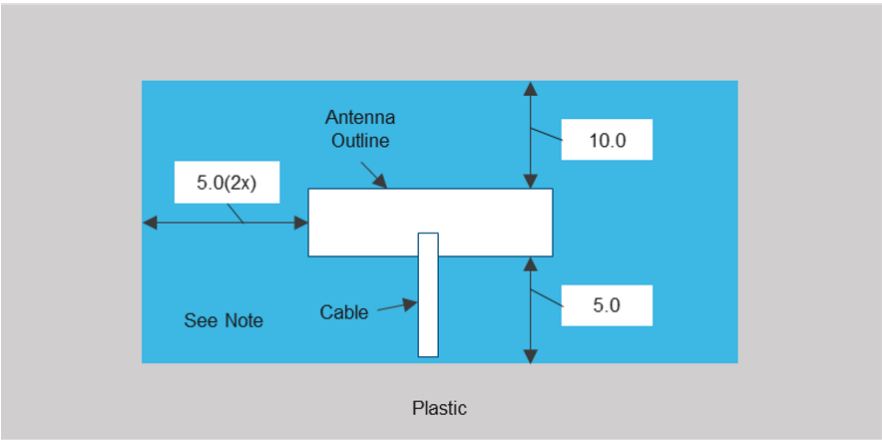


Data measured in free space and on plastic board.

KEEP OUT AREA

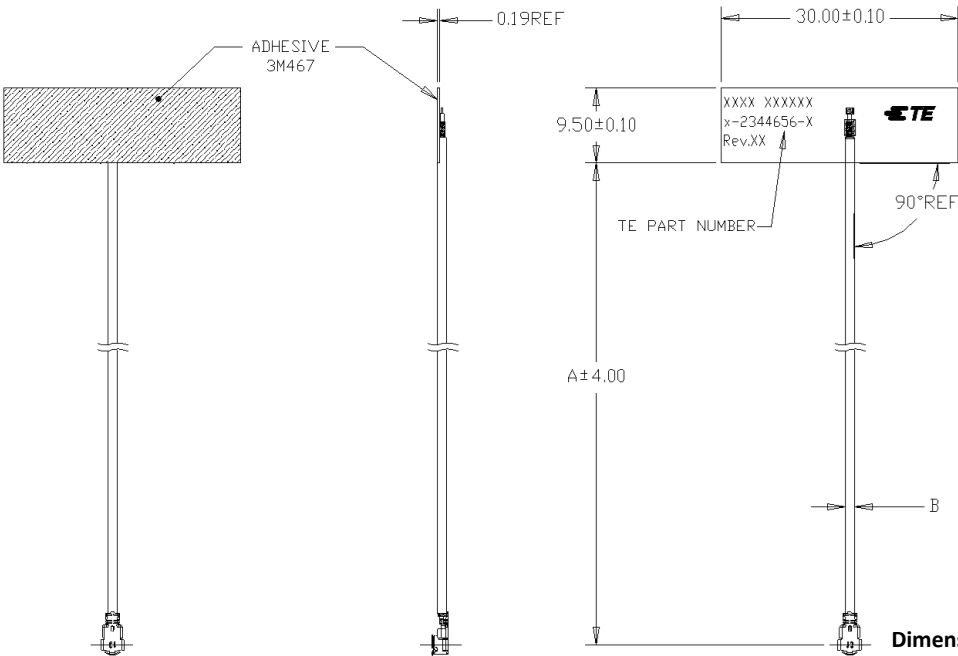


- NOTES**
- 1. Antenna designed to be mounted on plastic cover.
 - 2. Area in blue indicates Keep Out Area
 - 3. Contact TE if keep out zone cannot be guaranteed.



Dimension: mm
Diagrams is not into scale

DIMENSIONS

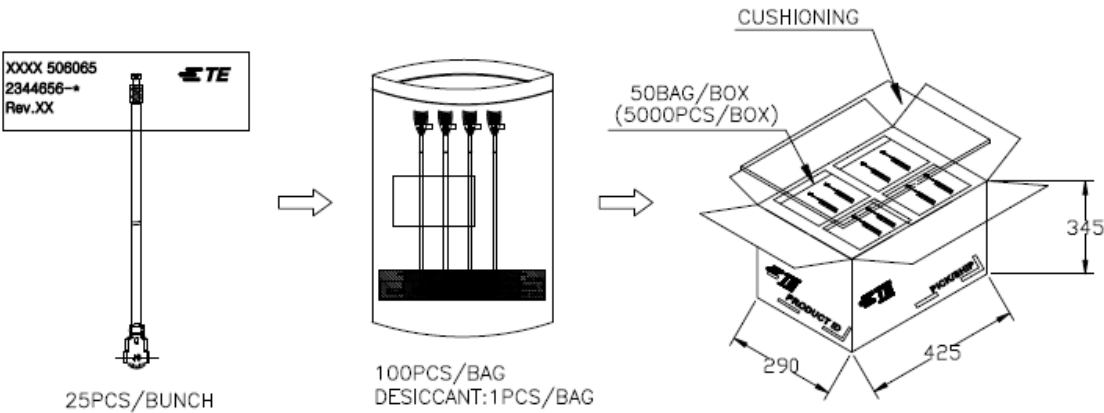


Dimension: mm
Diagrams is not into scale

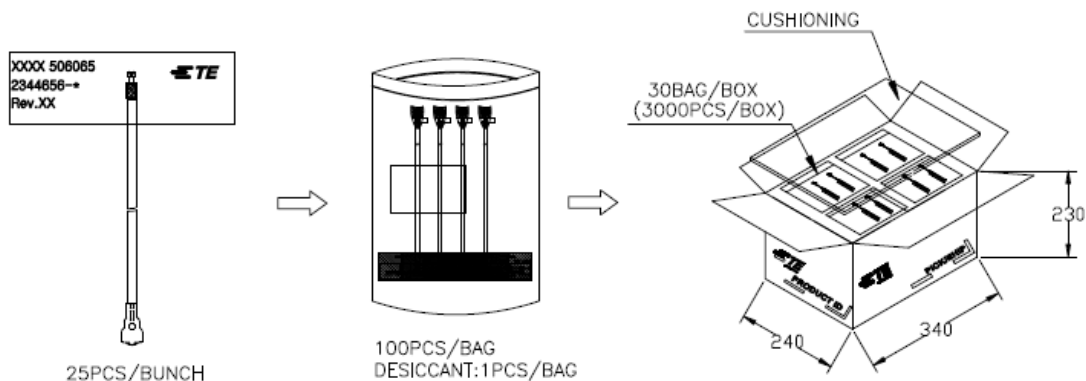
MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

2344655-1	50.0	1.968	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344656-2	100.0	3.937	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344656-3	150.0	5.905	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344656-4	200.0	7.784	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
1-2344656-6	250.0	9.84	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
1-2344656-7	300.0	11.81	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344656-5	50.0	1.968	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344656-6	100.0	3.937	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344656-7	150.0	5.905	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344656-8	200.0	7.784	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2344656-4	250.0	9.84	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2344656-5	300.0	11.81	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2344656-2	800.0	31.496	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2344656-3	960.0	37.795	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
PART NUMBER	MM	INCH	CABLE O.D, MM (B)	CONNECTOR TYPE (ON CABLE)	PART NUMBER MATING COMPONENTS	IMAGE

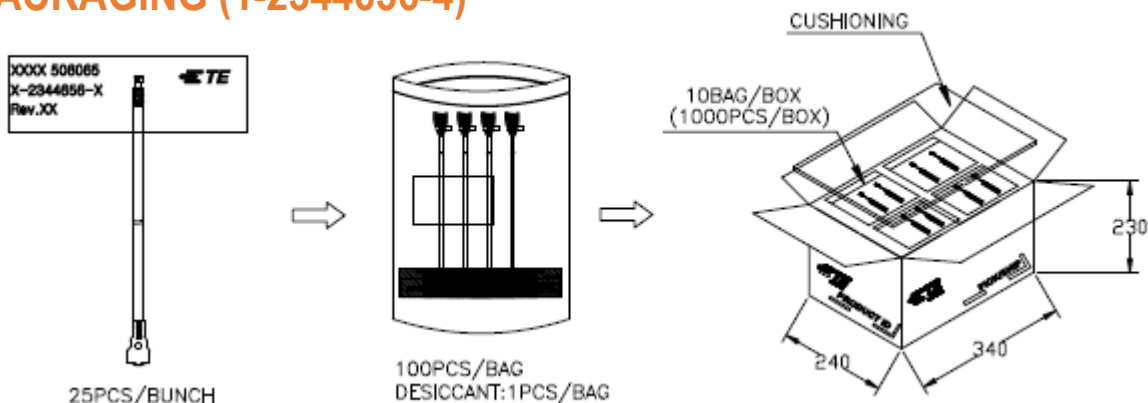
PACKAGING (2344656-1,-2,-3,-4)



PACKAGING (2344656-5,-6,-7,-8)



PACKAGING (1-2344656-4)



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04/2024