



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

**Part Numbers: 2344656-1, 2344656-2  
2344656-3, 2344656-4  
2344656-5, 2344656-6  
2344656-7, 2344656-8**

### FEATURES & BENEFITS

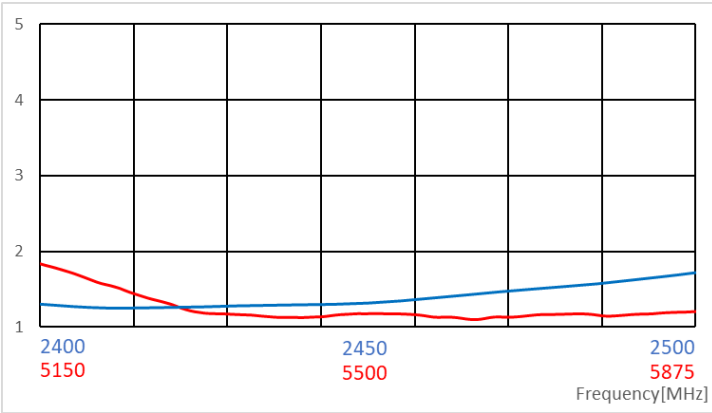
- Adhesive backing on FPC simplifies mounting within the device
- Omnidirectional coverage
- Efficient design reduces power usage
- No matching components required
- Ground-plane independent design
- Wide selection of micro-coaxial cable lengths from 50 to 200mm

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

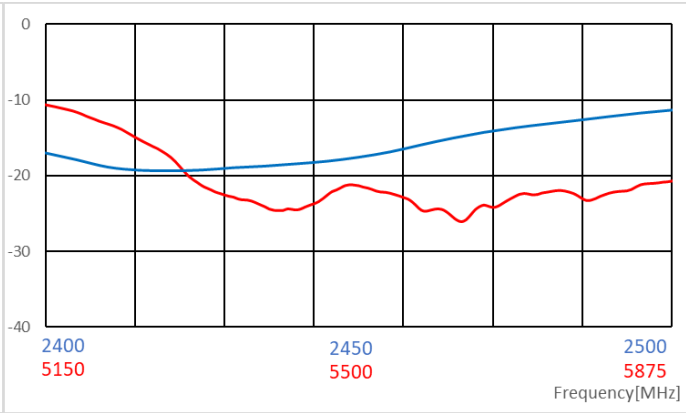
Frequency Range (MHz)	2400-2500	5150-5875
VSWR	< 2.0:1	< 2.0:1
Average Efficiency	80%	80%
Peak Gain	2.5dBi	7.0dBi
Average Gain	-1.8dB	0.1dB
Power Handling	10 Watt cw	
Feed Point Impedance	50 ohms unbalanced	
Polarization	Linear	
Size	30 mm x 9.5 mm x 0.2 mm	
Weight	< 0.7 g	
Mounting	Adhesive Tape	
Mating 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.)

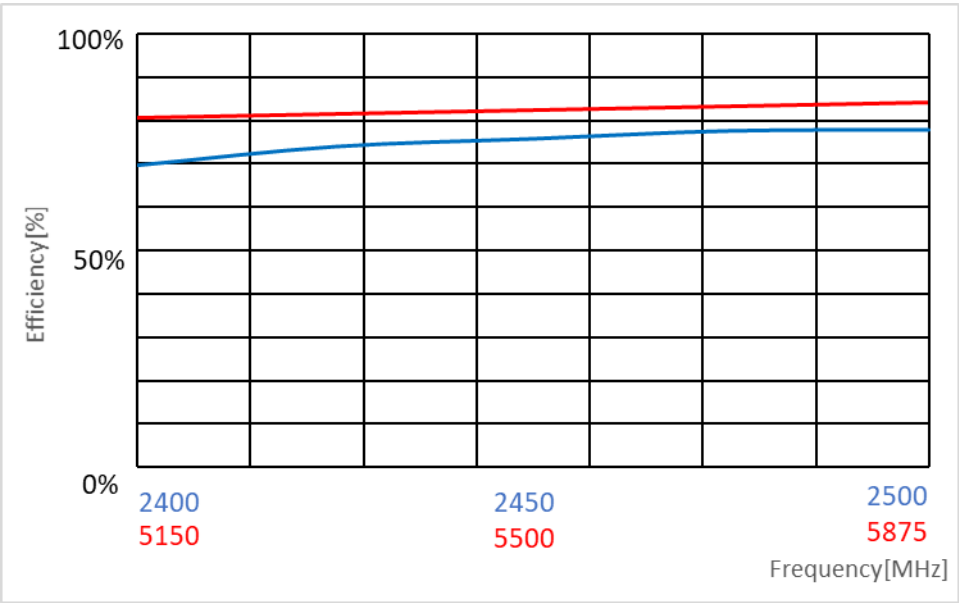
VSWR



Return Loss



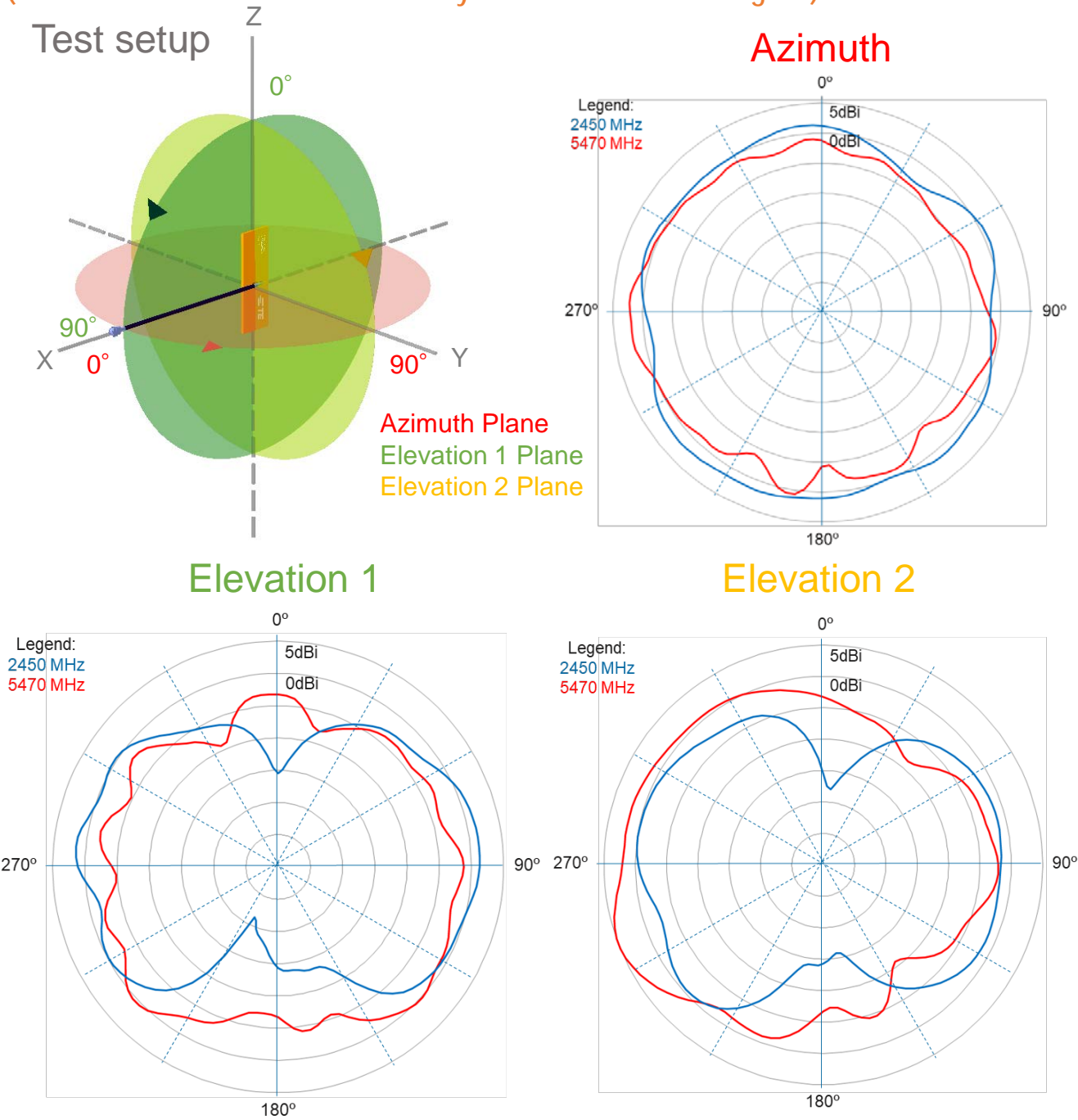
Efficiency



Data measured in free space and on plastic board.

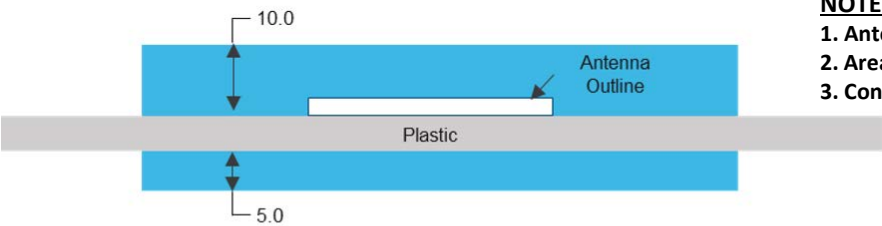
RADIATION PATTERN

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



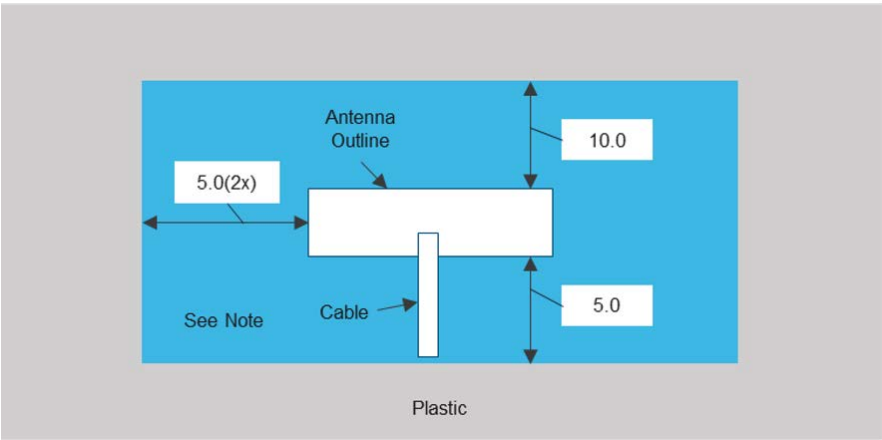
Data measured in free space and on plastic board.

KEEP OUT AREA



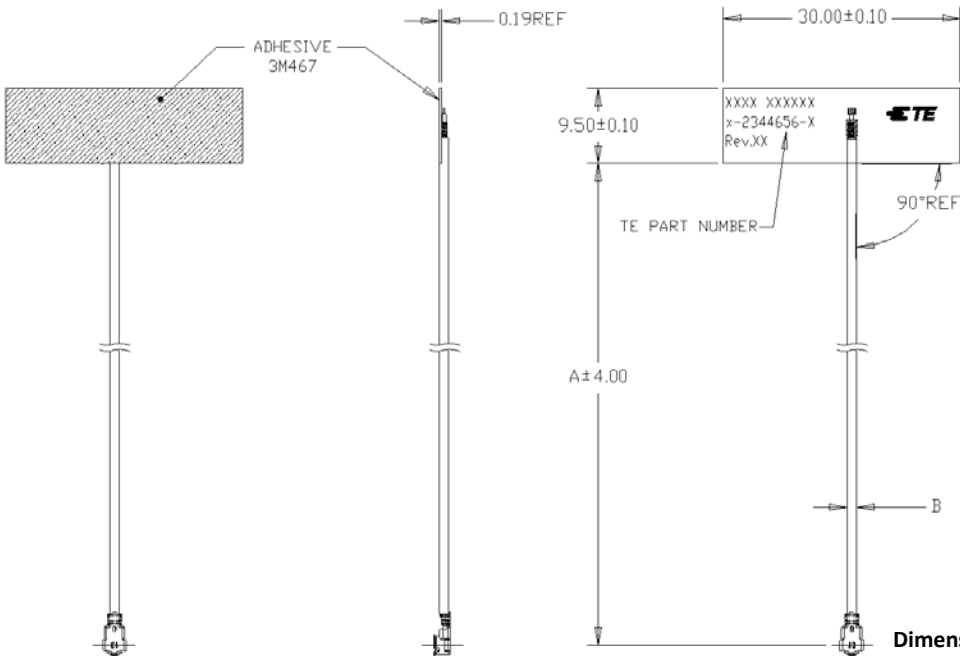
NOTES

- 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.



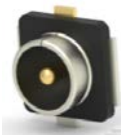
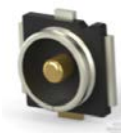
Dimension: mm  
Diagrams is not into scale

DIMENSIONS

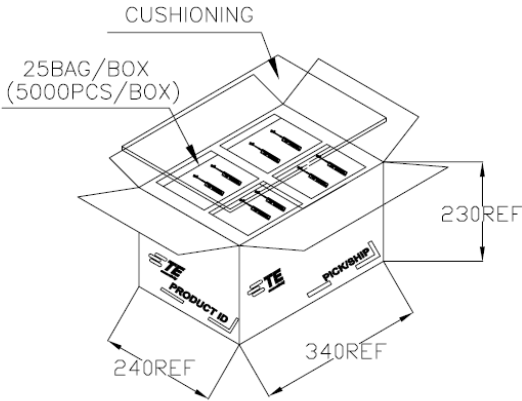
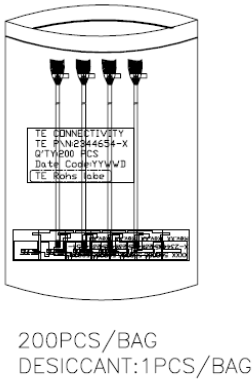
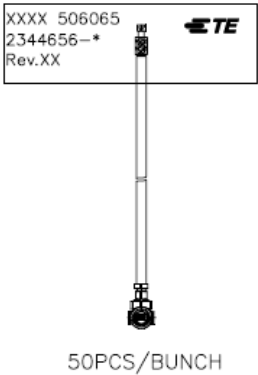


Dimension: mm  
Diagrams is not into scale

MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

2344656-1	50	1.97	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344656-2	100	3.94	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344656-3	150	5.91	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344656-4	200	7.87	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344656-5	50	1.97	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344656-6	100	3.94	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344656-7	150	5.91	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344656-8	200	7.87	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
PART NUMBER	MM	INCH	CABLE O.D(B), MM	CONNECTOR TYPE	PART NUMBER	IMAGE
	CABLE LENGTH ("A")			(ON CABLE)	MATING COMPONENTS	

PACKAGING



TE TECHNICAL SUPPORT CENTER

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Canada: +1 (905) 475-6222  
Mexico: +52 (0) 55-1106-0800  
Latin/S. America: +54 (0) 11-4733-2200  
Germany: +49 (0) 6251-133-1999  
UK: +44 (0) 800-267666  
France: +33 (0) 1-3420-8686  
Netherlands: +31 (0) 73-6246-999  
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