

902-928 & 2400-2483.5 Dual Band Cabled ANTENNA

Part Numbers: 2118898-1, 2118898-2 2118898-3

FEATURES & BENEFITS

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

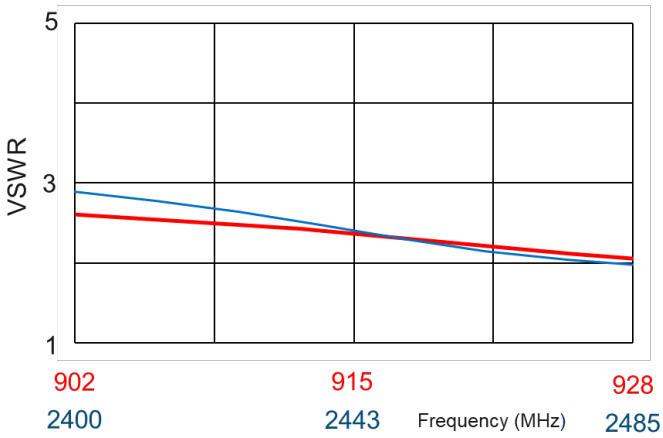
SPECIFICATIONS

Frequency Range (MHz)	902-928	2400-2483.5
VSWR	< 2.6:1	< 2.9:1
Average Efficiency	85%	65%
Peak Gain	3.6dBi	4.0dBi
Average Gain	-0.7dBi	-1.8dBi
Power Handling	10 Watt cw	
Feed Point Impedance	50 ohms unbalanced	
Polarization	Linear	
Size	140.0 mm x 20.0 mm	
Weight	< 5.0 g	
Mounting	Adhesive Tape	
Mating Connector	MMCX / MHF and MHF4-type, Refer to page 5	
Cable	Coaxial Cable : 1.78mm Dia.	
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.	

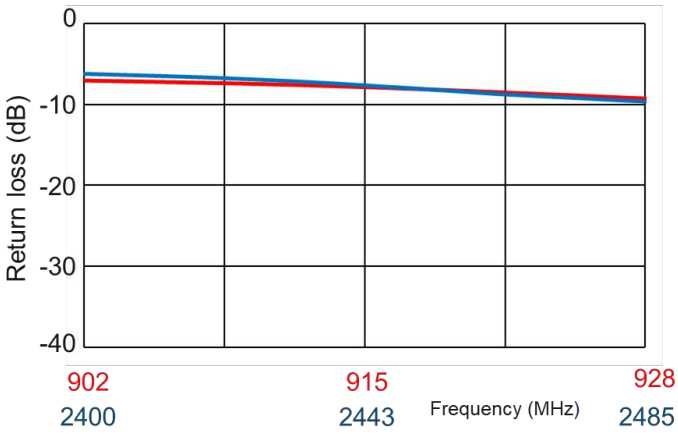
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RF DATA

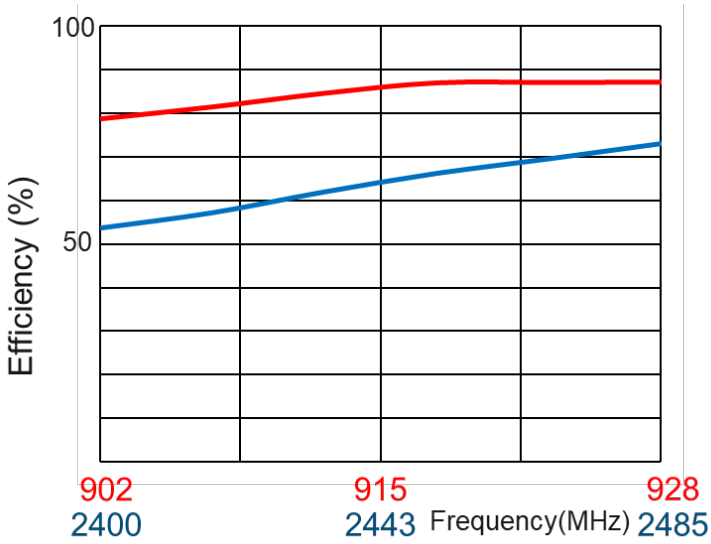
VSWR



Return Loss



Efficiency

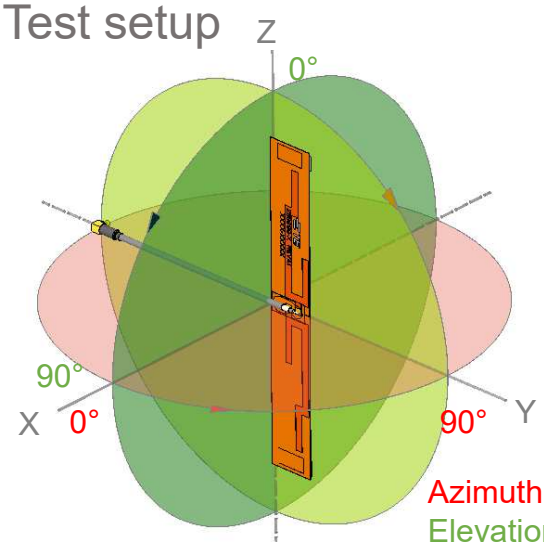


Data measured in free space and on plastic device enclosure

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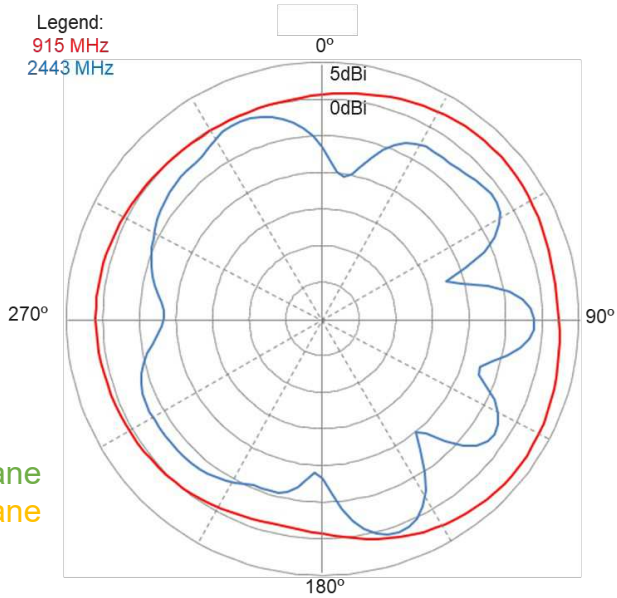
RADIATION PATTERN

Test setup

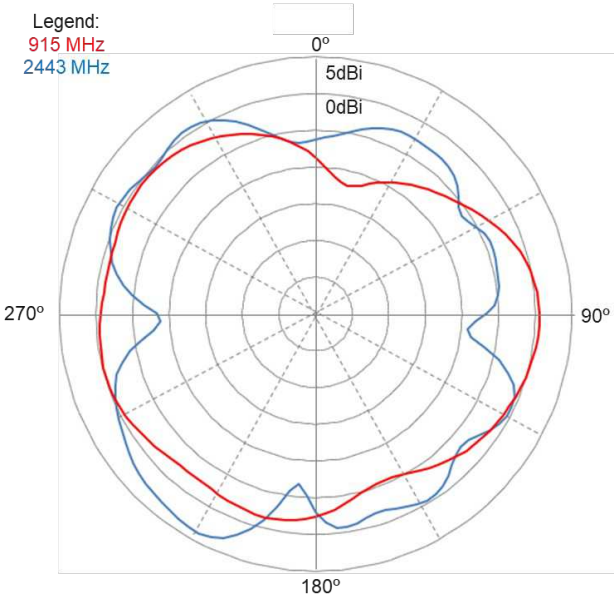


Azimuth Plane
Elevation 1 Plane
Elevation 2 Plane

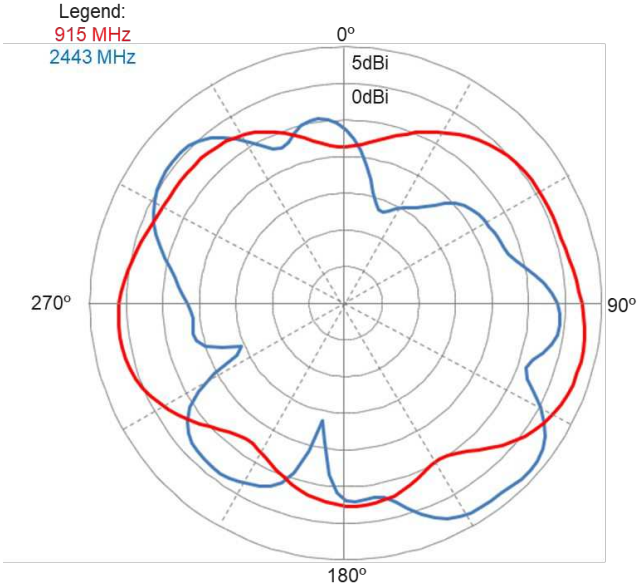
Azimuth



Elevation 1



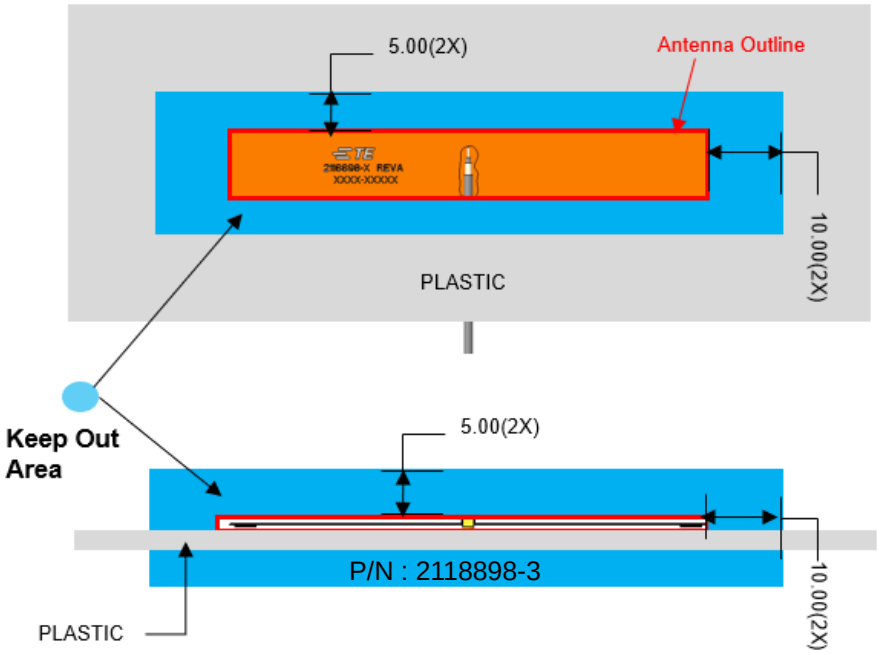
Elevation 2



Data measured in free space and on plastic device enclosure

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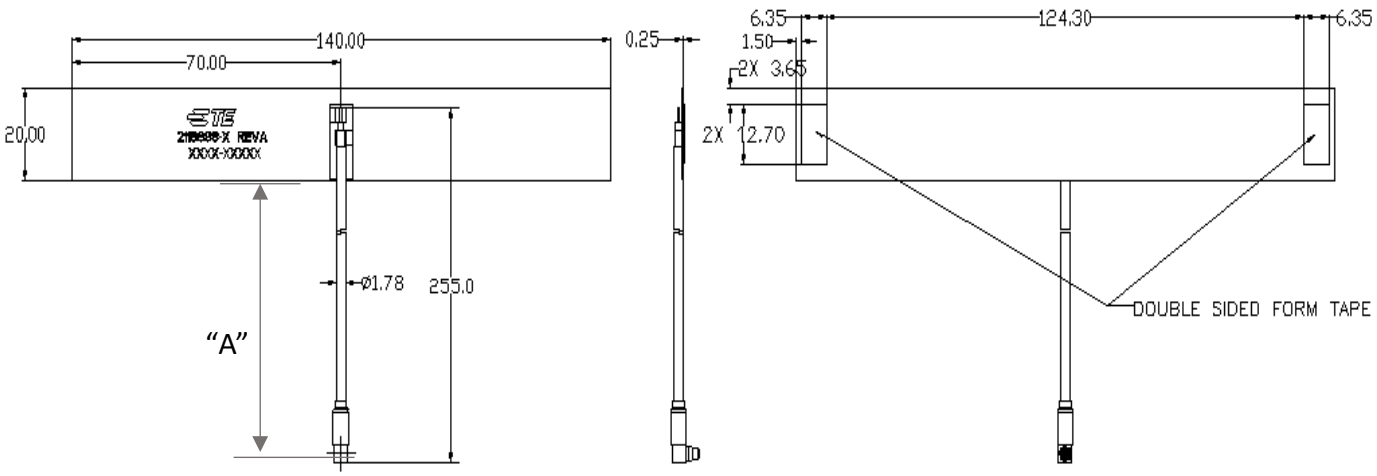
KEEP OUT AREA



NOTES: 1. Antenna designed to be mounted on plastic cover.
2. Area in Blue above indicates Keep Out Area.
3. For more information please call TE.

Dimensions: mm
Diagram is not to scale

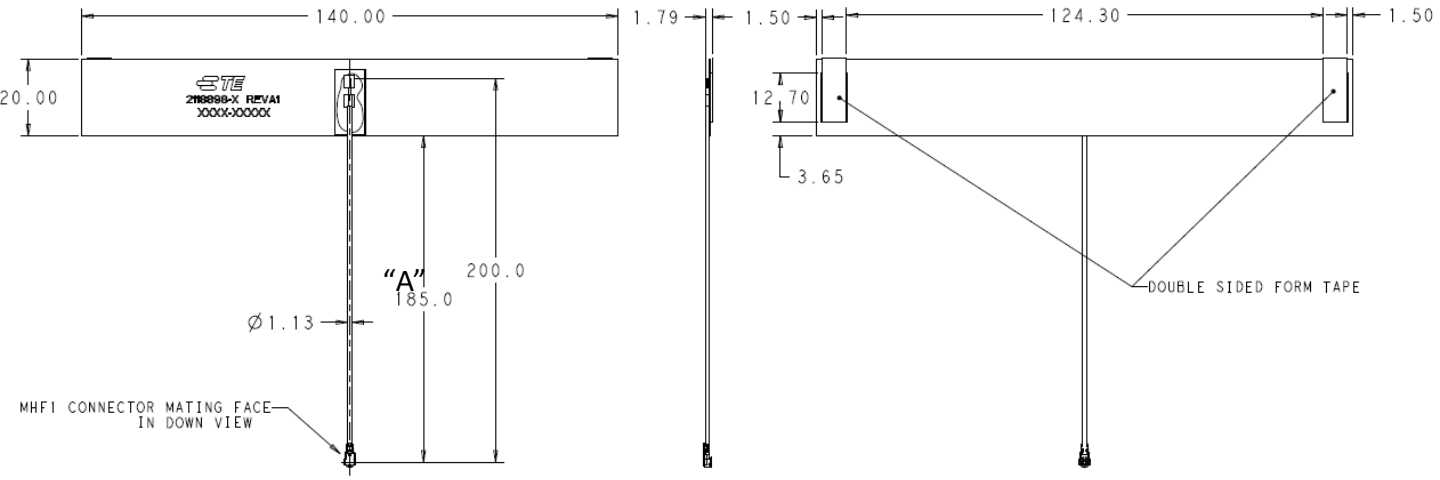
DIMENSIONS (2118898-1 / 2118898-2)



Dimensions: mm
Diagram is not to scale

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DIMENSIONS (2118898-3)



P/N : 2118898-3

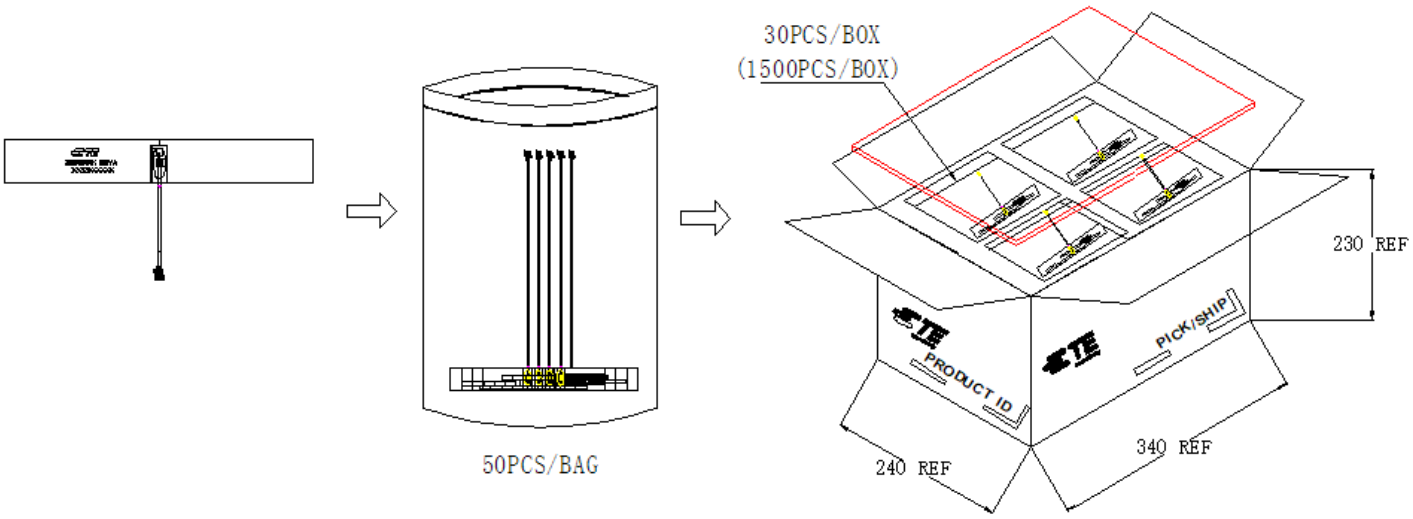
Dimensions: mm
Diagram is not to scale

MATING COMPONENTS

2118898-3	185.0	7.874	I-PEX MHF1 Type Plug	RECEPTACLE (TE PN: 2337019-1)	
2118898-2	240.0	9.448	MMCX-TYPE PLUG	RECEPTACLE (TE PN: 1-1634010-0)	
2118898-1	170.0	6.69		RECEPTACLE (TE PN: 1-1634009-0)	
PART	MM (A)	INCH	CONNECTOR TYPE	PART NUMBER	IMAGE
NUMBER	CABLE LENGTH		(ON CABLE)	MATING COMPONENTS	

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PACKAGING



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