



824-960 & 2400-2500 Dual Band Cabled ANTENNA

Part Numbers: 2108793-1, 2108793-2

FEATURES & BENEFITS

- Adhesive backing on the FPC simplifies mounting within the device
- Omnidirectional coverage
- Efficient design reduces power usage
- No matching components required
- Ground-plane independent design
- Different cable length and connector options available

SPECIFICATIONS

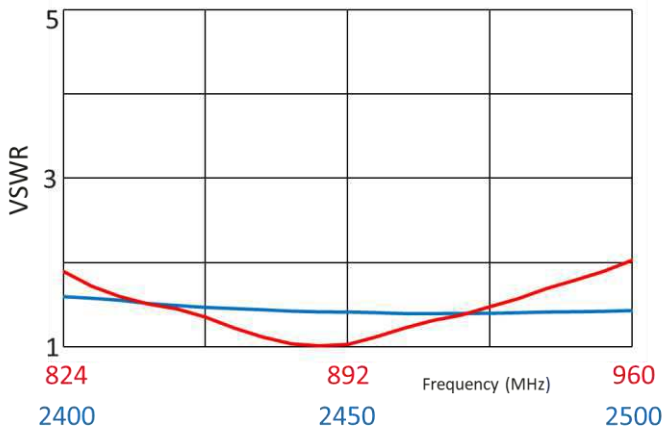
Frequency Range (MHz)	824 - 960	2400 - 2500
VSWR	< 2.1:1	< 1.7:1
Average Efficiency	75 %	65 %
Peak Gain	2.1 dBi	2.0 dBi
Average Gain	-1.3 dBi	-1.9 dBi
Power Handling	10 Watt cw	
Feed Point Impedance	50 ohms unbalanced	
Polarization	Linear	
Size	140.0 mm x 20.0 mm	
Weight	< 3.5 g	
Mounting	Adhesive Tape	
Mating Connector	MMCX connect mount (TE P/N 1-1634010-0 and 1-1634009-0)	
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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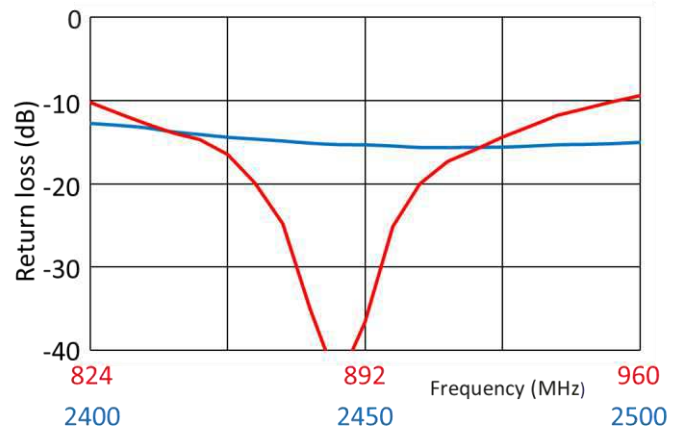
Standard Antenna Solutions

RF DATA

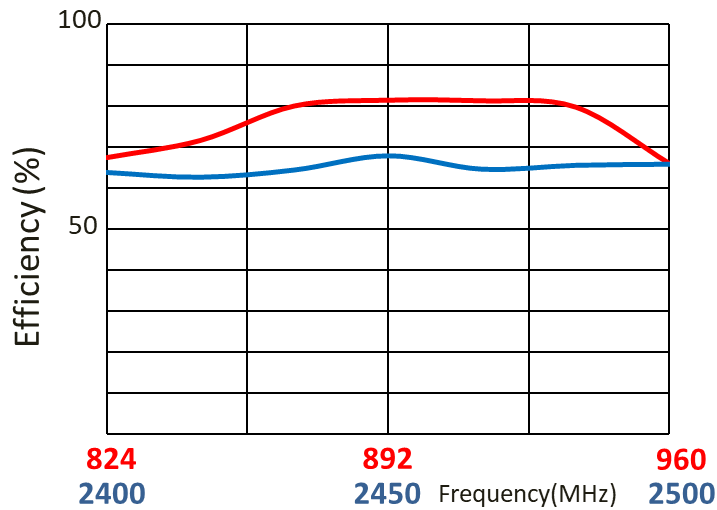
VSWR



Return Loss



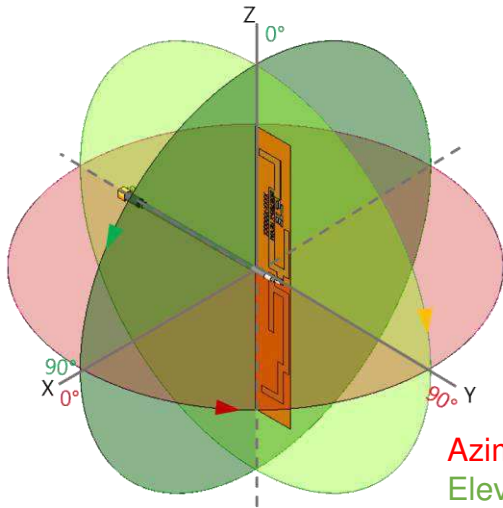
Efficiency



Data measured in free space and on plastic device enclosure

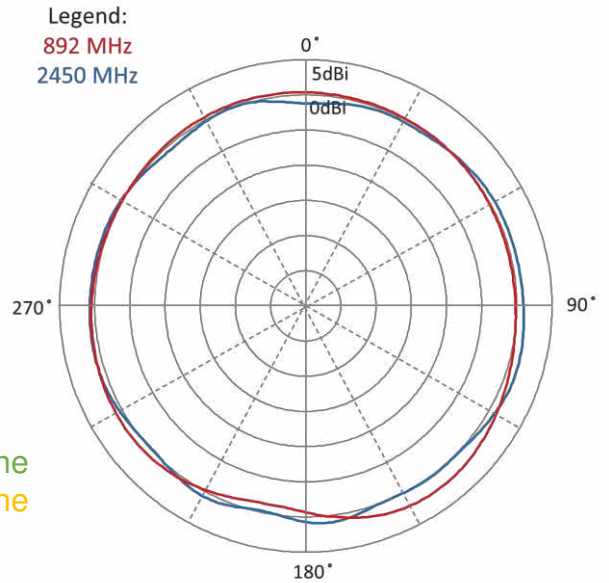
RADIATION PATTERN

Test setup

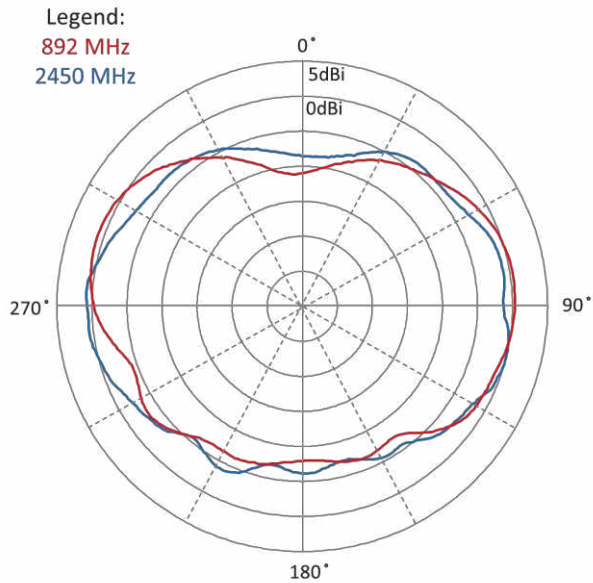


Azimuth Plane
Elevation 1 Plane
Elevation 2 Plane

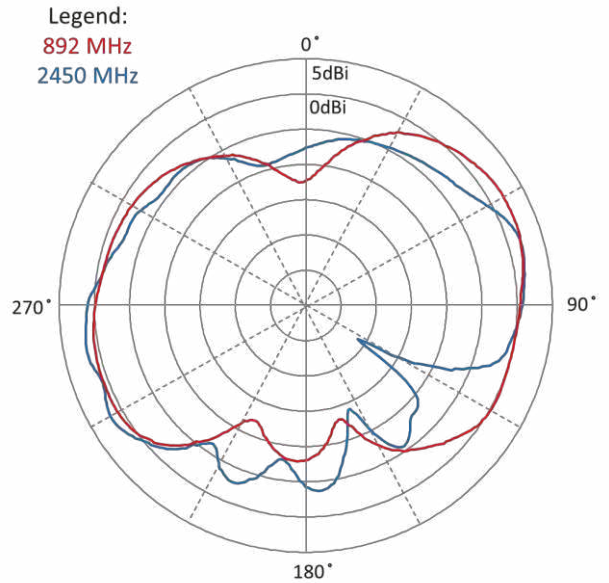
Azimuth



Elevation 1



Elevation 2

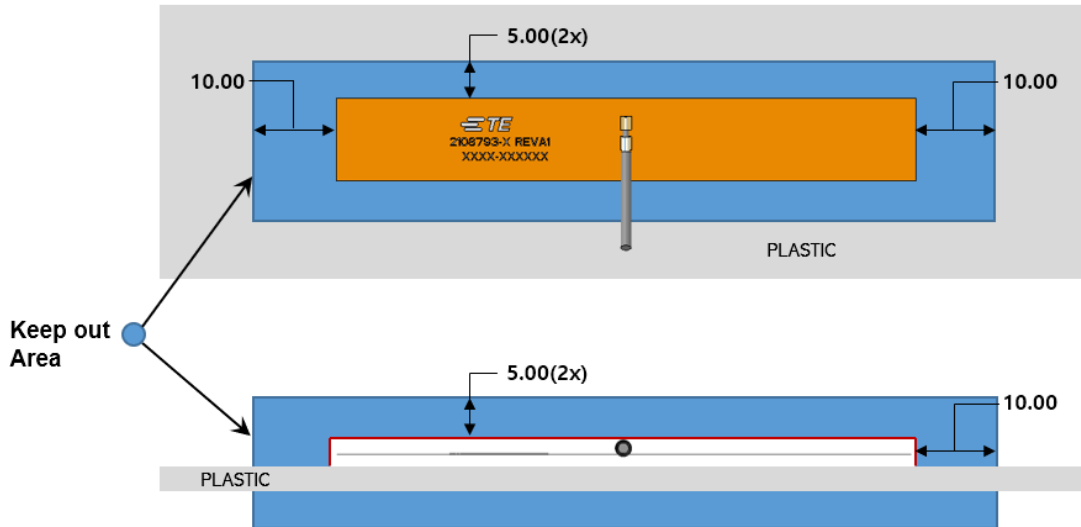


Data measured in free space and on plastic device enclosure

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KEEP OUT AREA



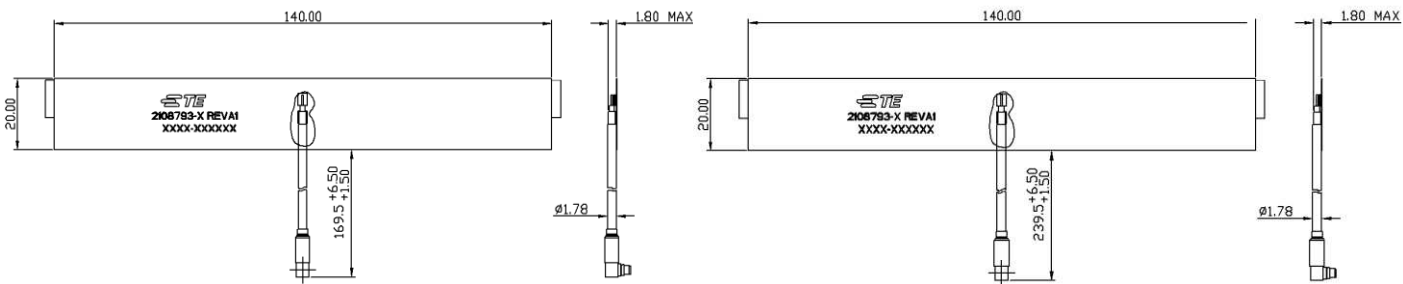
- NOTES: 1. Antenna designed to be mounted on plastic cover.
2. Area in Blue above indicates Keep Out Area.
3. For more information please call TE.

Dimensions: mm
Diagram is not to scale

DIMENSIONS

P/N : 2108793-1

P/N : 2108793-2





Dimensions: mm
Diagram is not to scale

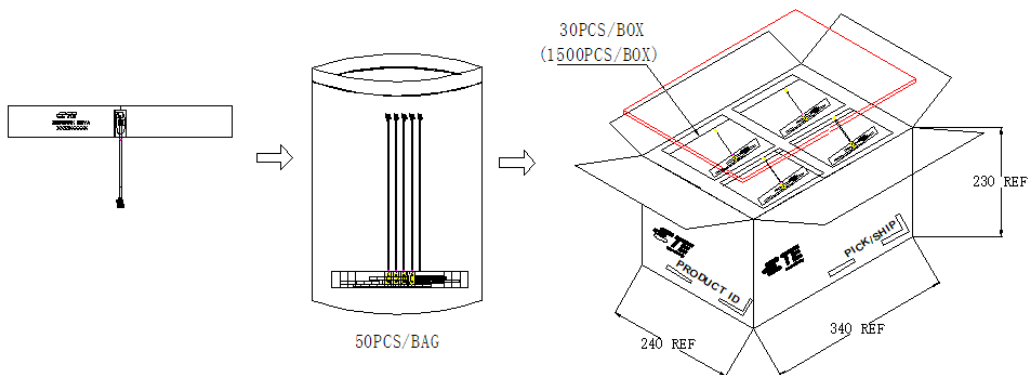
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MATING COMPONENTS

2118793-2	255.0	10.039	MMCX-TYPE PLUG	RECEPTACLE (TE PN: 1-1634010-0)	
2118793-1	185.0	7.28		RECEPTACLE (TE PN: 1-1634009-0)	
PART NUMBER	MM	INCH	CONNECTOR TYPE (ON CABLE)	PART NUMBER	IMAGE
	CABLE LENGTH ("A")			MATING COMPONENTS	

PACKAGING



TE TECHNICAL SUPPORT CENTER

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- UK: +44 (0) 800-267666
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