



Multiband 2G 3G 4G/LTE FPC /PCBA Antenna



Part Number: L-2FA4

51*14 mm
 RoHS/RoHS II Compliant

Features

- Operates in 698-2700 MHz
- Linear polarization
- Low VSWR
- FPC flexible or PCB material (Optional)
- Omni-directional pattern
- IPEX connector with cable, or Solder direct

Applications

- Cellular
- Transportation
- Industrial wearable
- Smart city
- Smart agriculture
- Home automation

Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Notes
Frequency Range		698~960/1710~2690		MHz	
VSWR	1.1		1.7		
Polarization Model	Linear				
Impedance		50		Ω	
Gain		2		dBi	

Mechanical Characteristics

Parameters	Description
Connector	IPEX
Cable Type	RF1.13
Mounting	3M Adhesive Tape
FPC Dimensions	110 x 15 x 0.2 mm

Environmental Characteristics

Parameters	Note
Operating Temperature	-40°C to +85°C
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours
ROHS Compliant	Yes
MSL Level	1



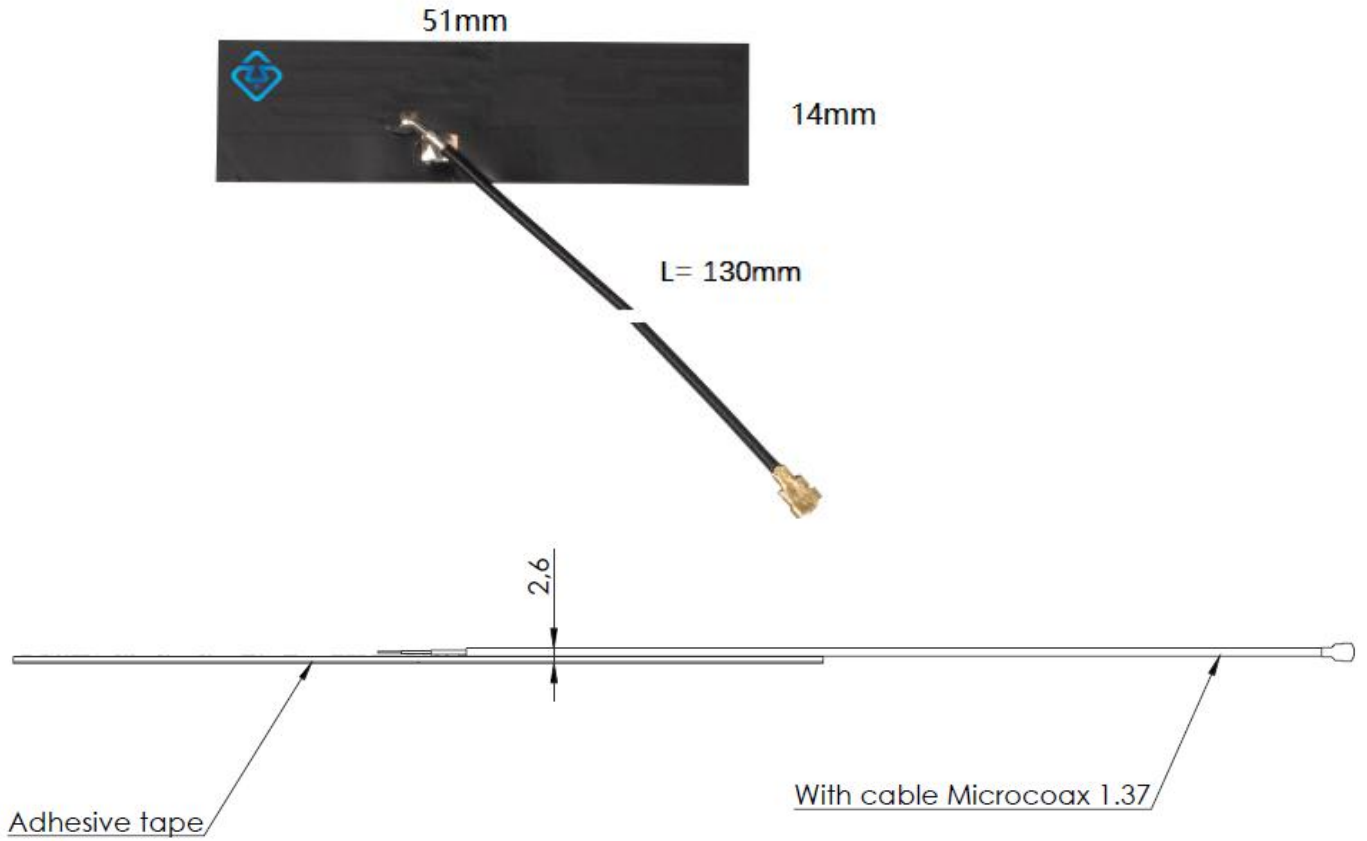
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Dimensions





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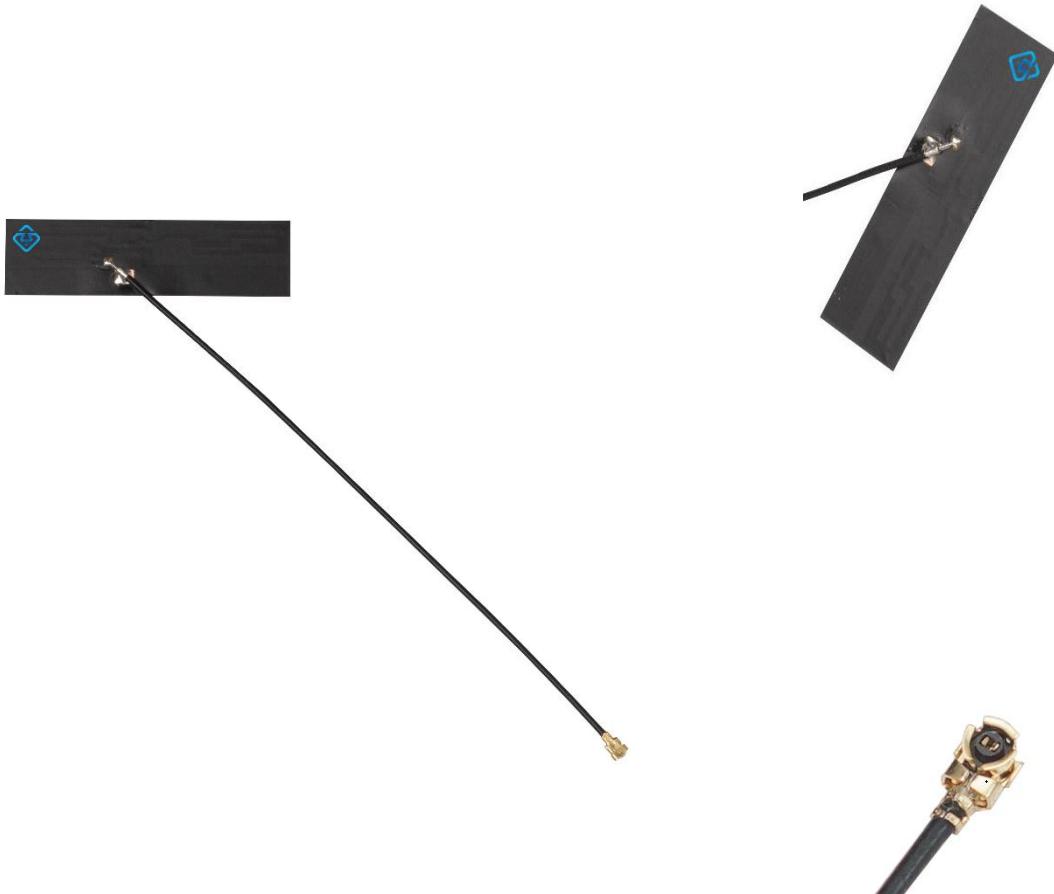
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Product Image





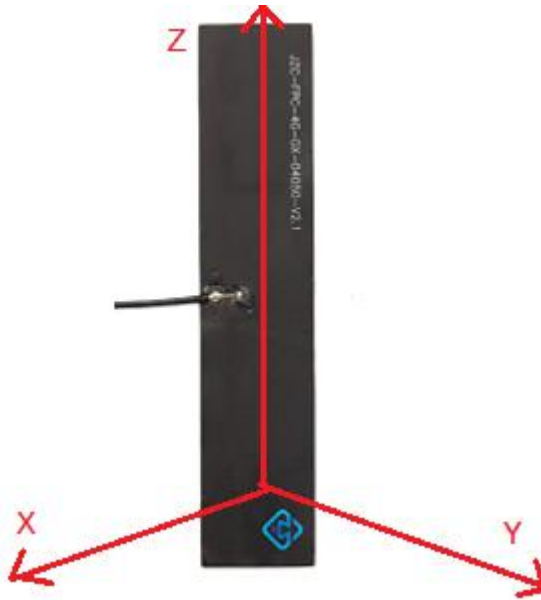
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Radiation Patterns



3D - Pattern

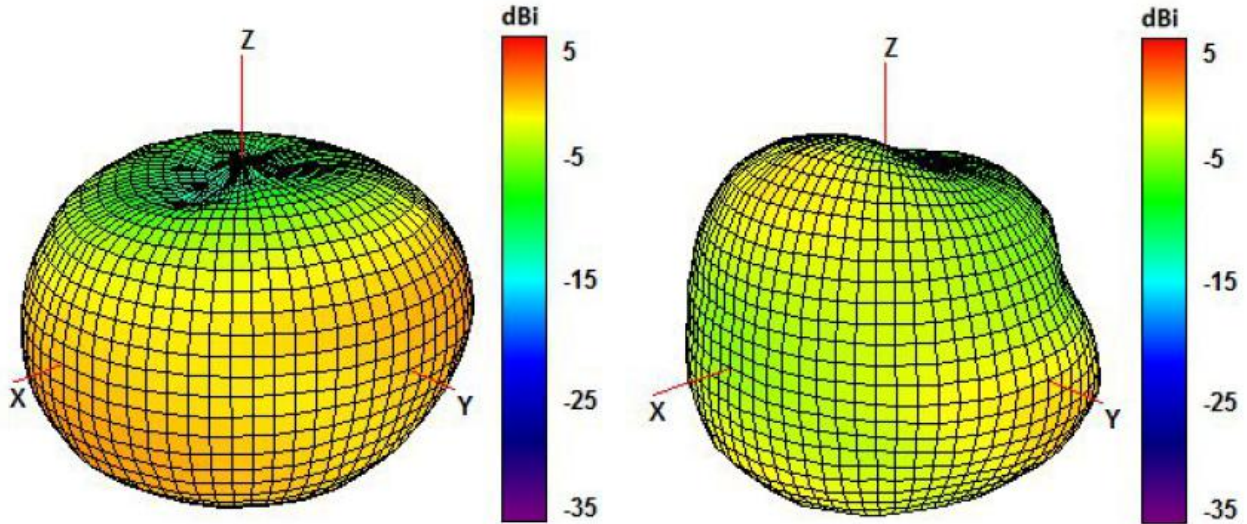


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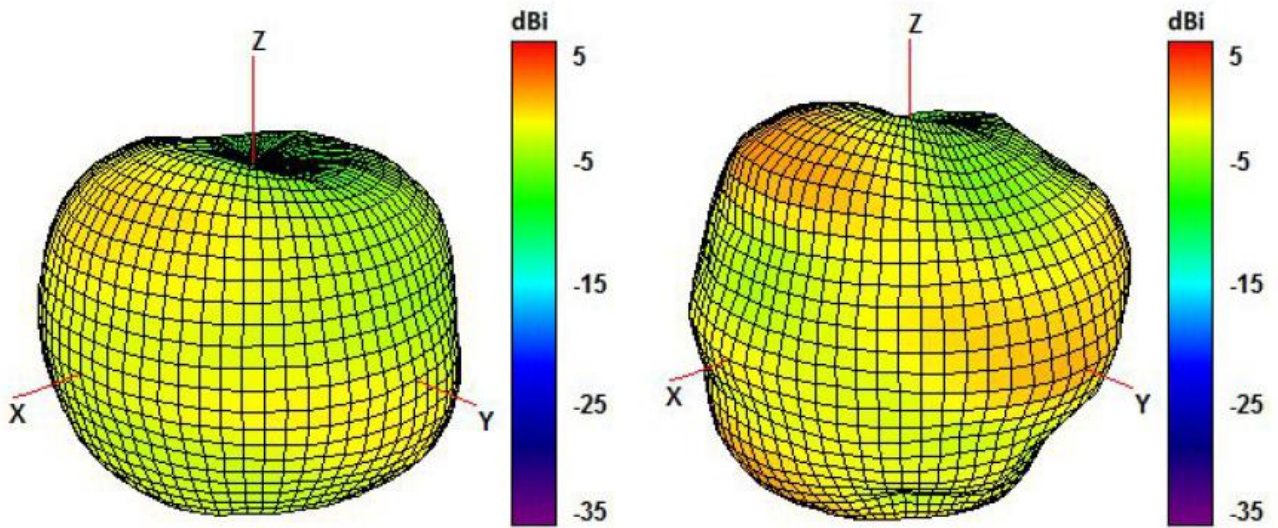


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750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

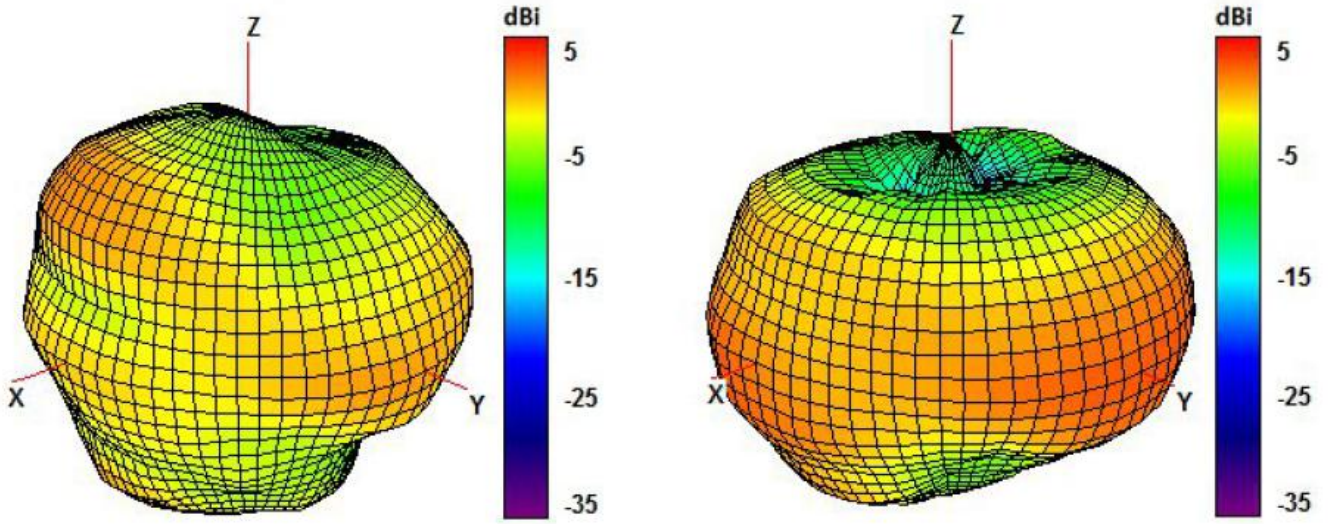


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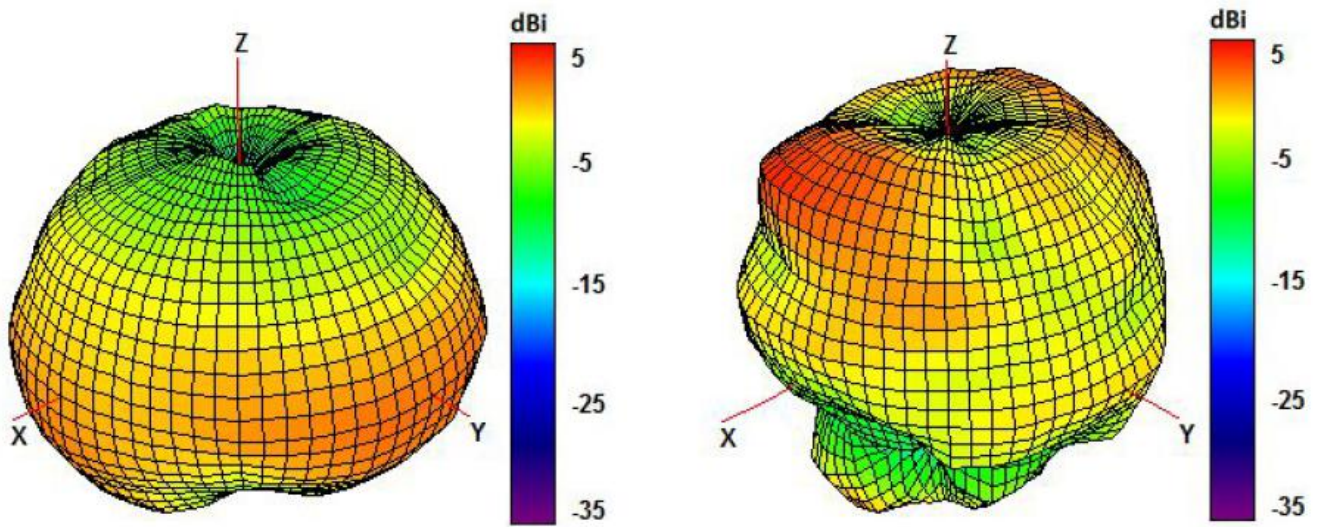


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1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern



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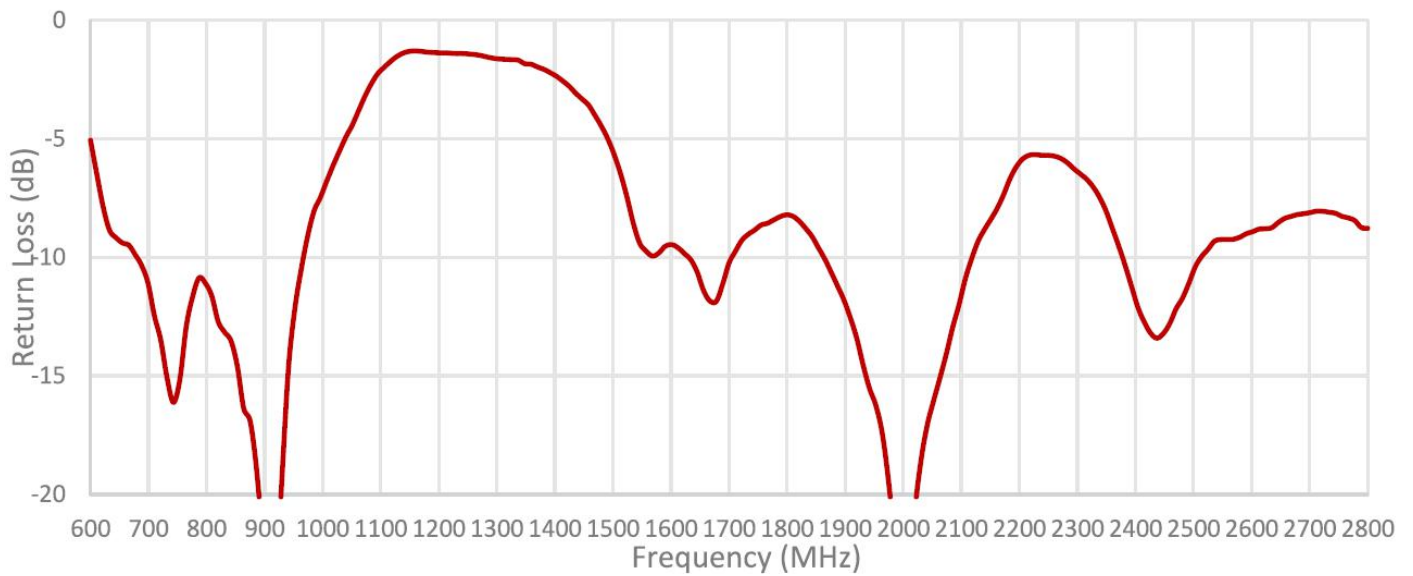


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Antenna parameters

Frequency (MHz)	Efficiency	Gain (dBi)
698	0.35	-1
824	0.54	1.3
868	0.46	0.5
960	0.52	1.3
1710	0.53	1.2
1850	0.42	0.6
1990	0.45	1.8
2170	0.42	0.4
2690	0.45	3.2



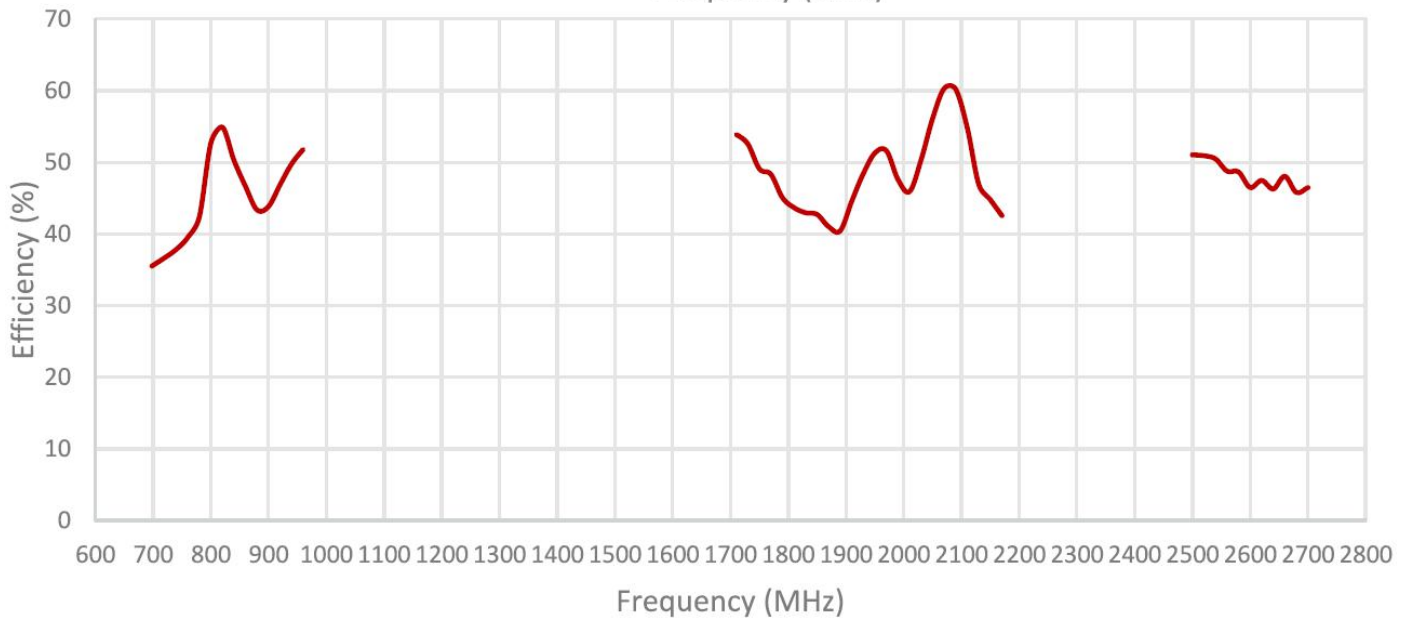
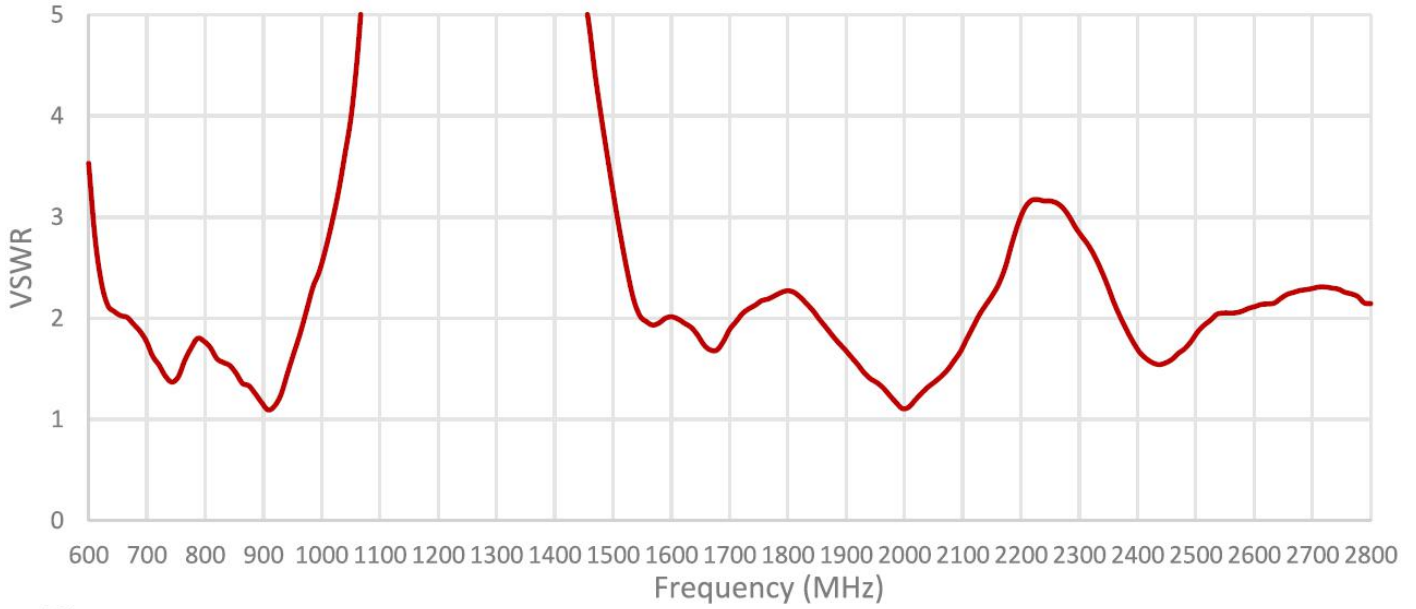


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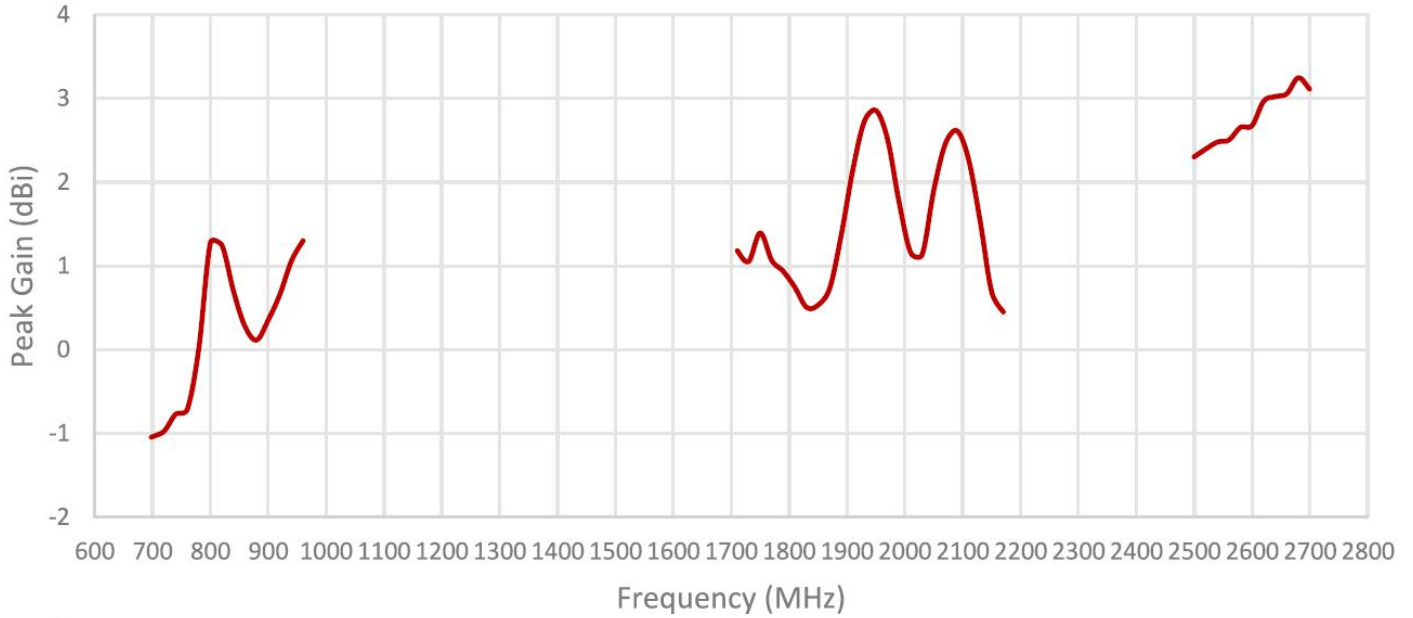


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Packaging

TBD

Caution:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please ensure the component is thoroughly evaluated in the application circuit.