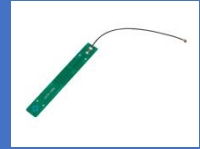




## 4G/LTE Printed Circuit Board Antenna



Part Number: L-2FA3

105 x 15 x 1 mm  
 RoHS/RoHS II Compliant

### Features

- Operates in 698-2700 MHz
- Linear polarization
- Low VSWR
- Low profile
- Omni-directional pattern
- IPEX connector with cable

### 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	1.6		2.8		
Polarization Model	Linear				
Impedance		50		$\Omega$	
Gain		3.5		dBi	

### Mechanical Characteristics

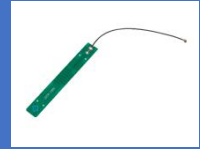
Parameters	Description
Connector	IPEX
Cable Type	RF1.13
Mounting	Embedded
Dimensions	105 x 15 x 1 mm (L*W*H)

### 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



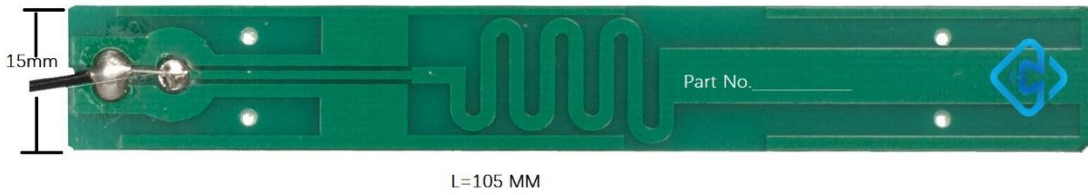
# 4G/LTE Printed Circuit Board Antenna



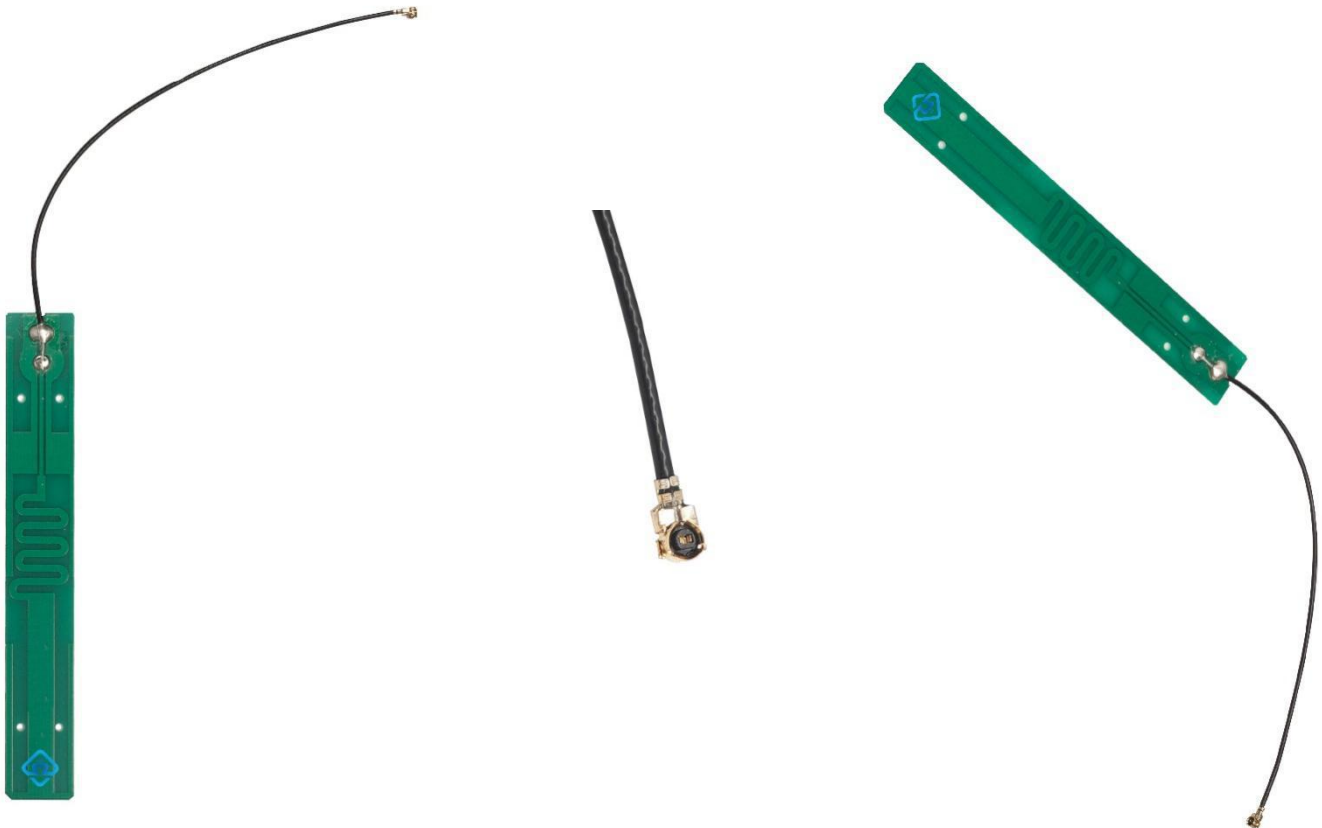
Part Number: L-2FA3

105 x 15 x 1 mm  
RoHS/RoHS II Compliant

## Dimensions

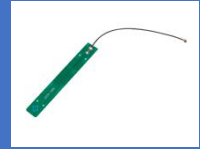


## Product Image





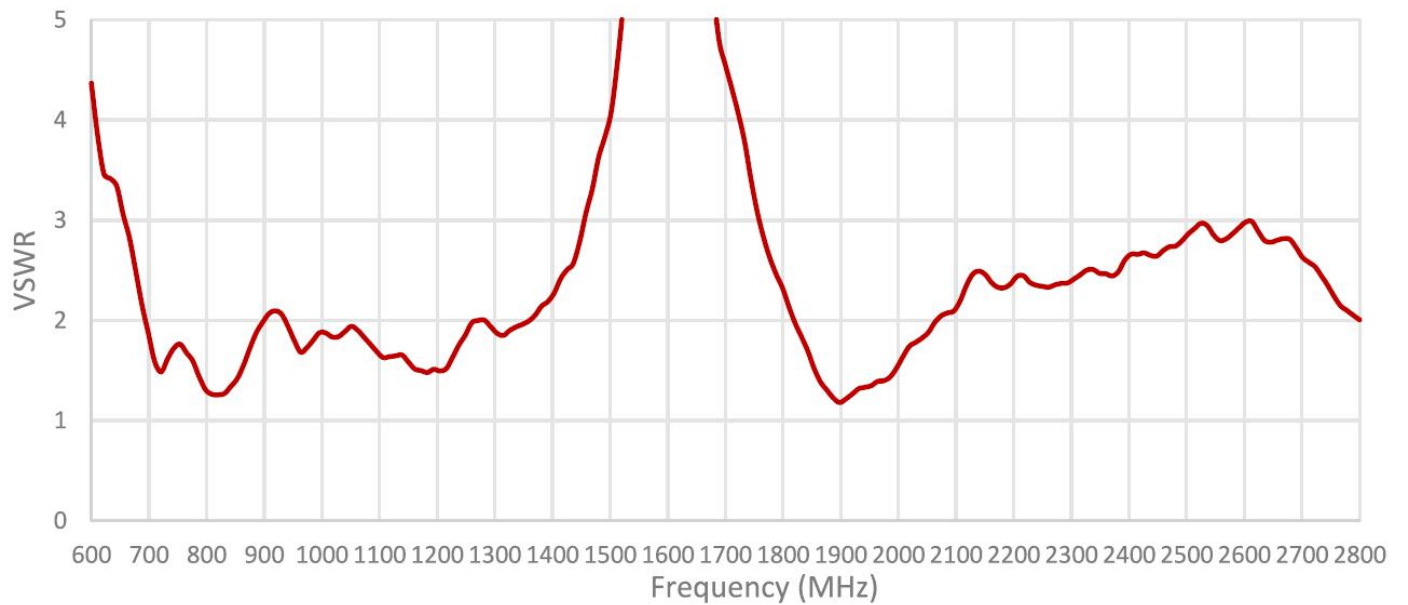
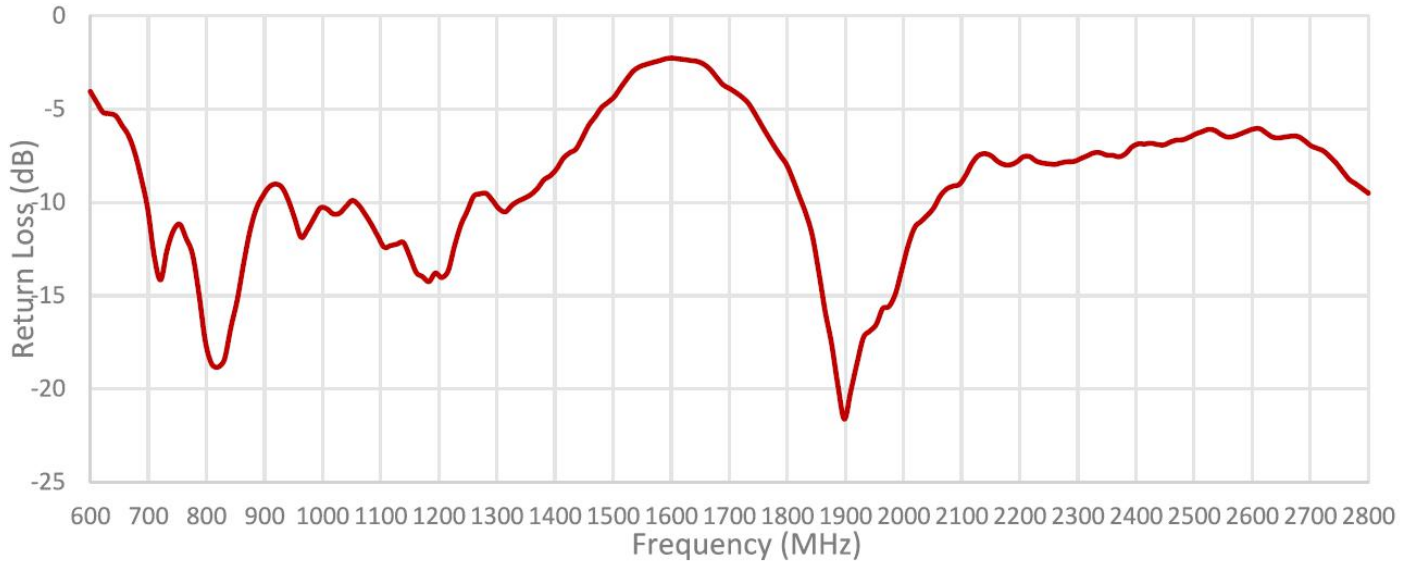
# 4G/LTE Printed Circuit Board Antenna



Part Number: L-2FA3

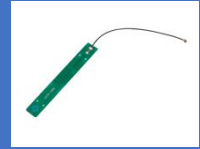
105 x 15 x 1 mm  
RoHS/RoHS II Compliant

## Antenna parameters



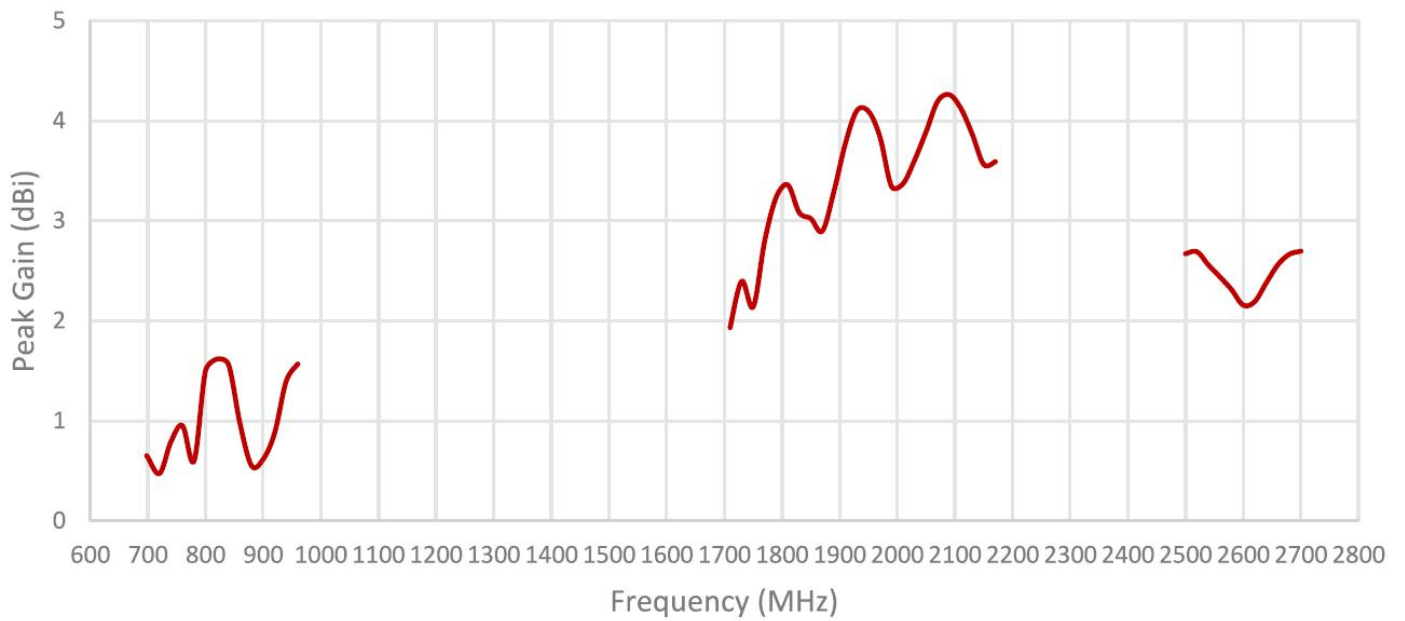
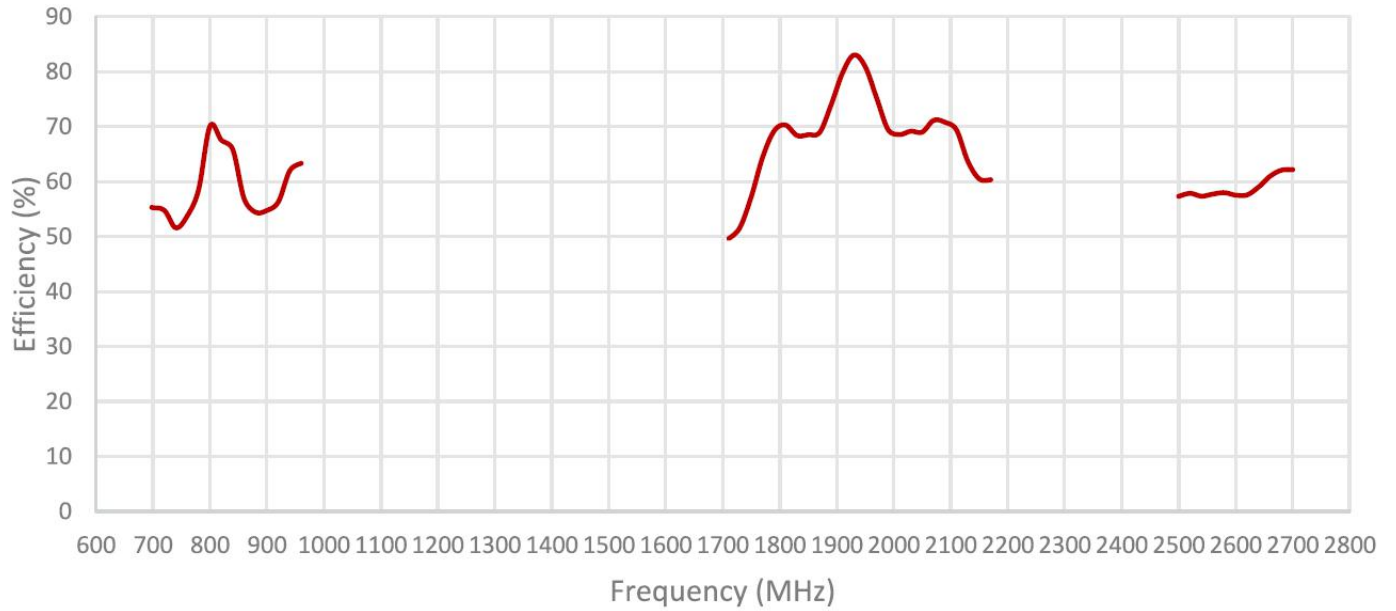


# 4G/LTE Printed Circuit Board Antenna



Part Number: L-2FA3

105 x 15 x 1 mm  
RoHS/RoHS II Compliant



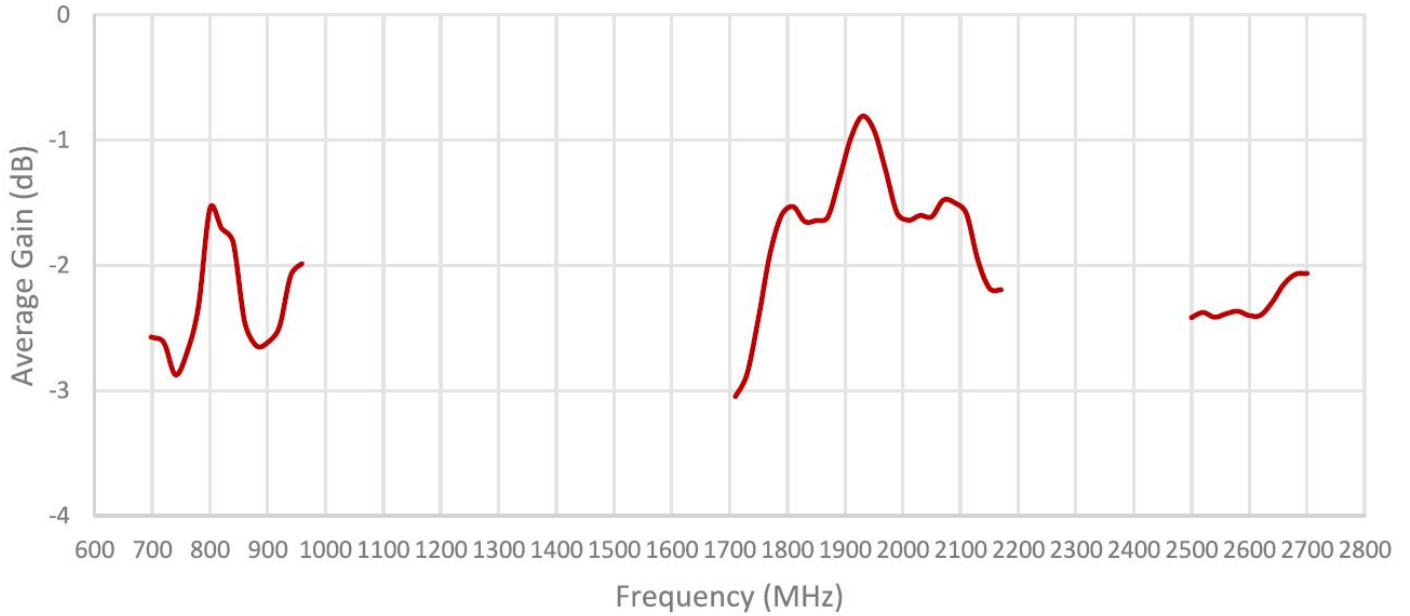


# 4G/LTE Printed Circuit Board Antenna



Part Number: L-2FA3

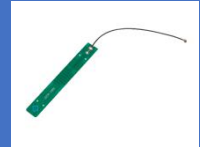
105 x 15 x1 mm  
RoHS/RoHS II Compliant



Frequency (MHz)	Efficiency	Gain (dBi)
698	0.56	0.6
824	0.68	1.6
868	0.62	1.2
960	0.64	1.6
1710	0.49	1.9
1850	0.68	3.0
1990	0.69	3.3
2170	0.60	3.5
2690	0.62	2.7



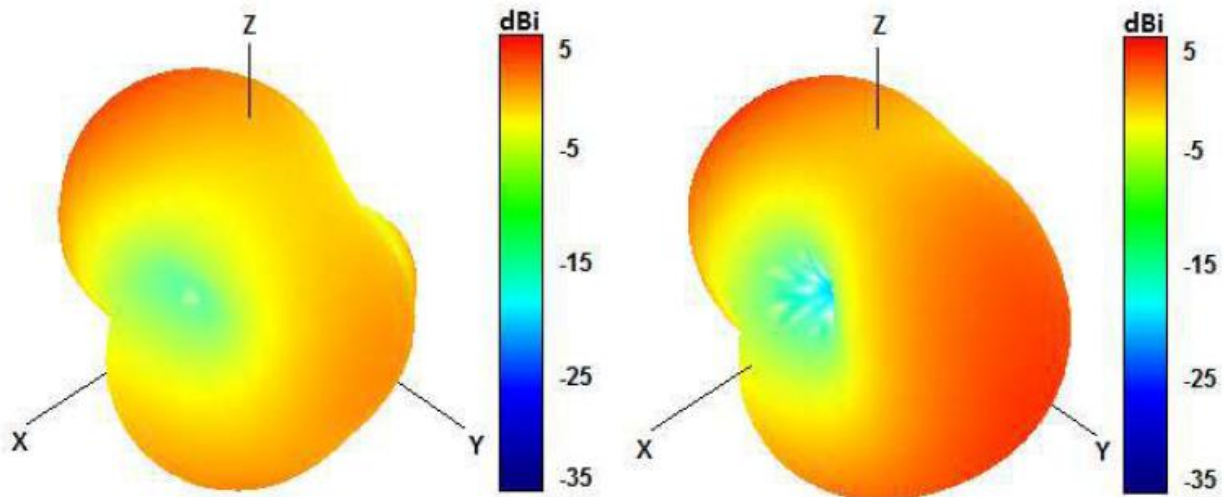
# 4G/LTE Printed Circuit Board Antenna



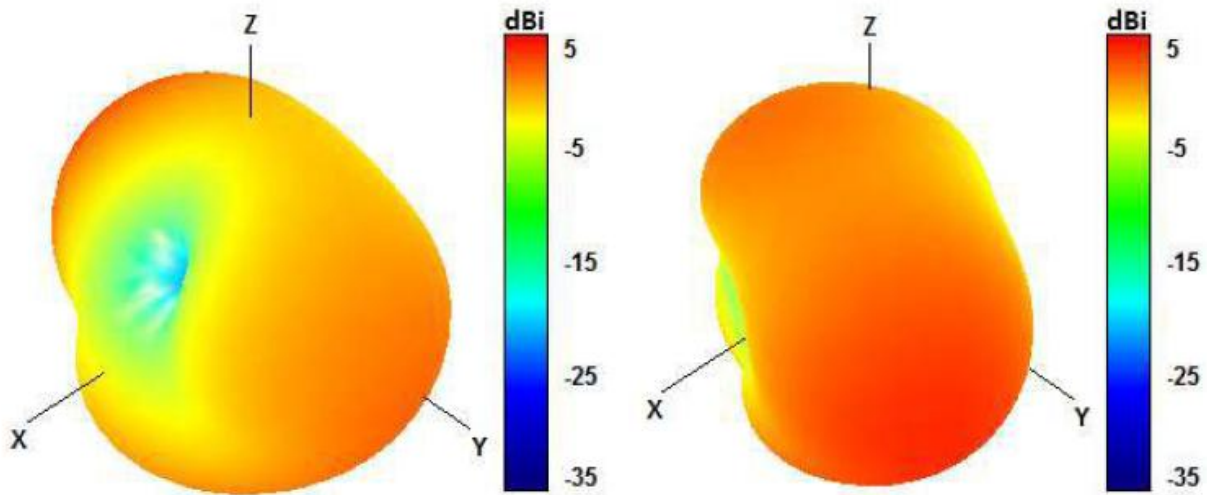
Part Number: L-2FA3

105 x 15 x 1 mm  
RoHS/RoHS II Compliant

## 3D – Pattern



750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

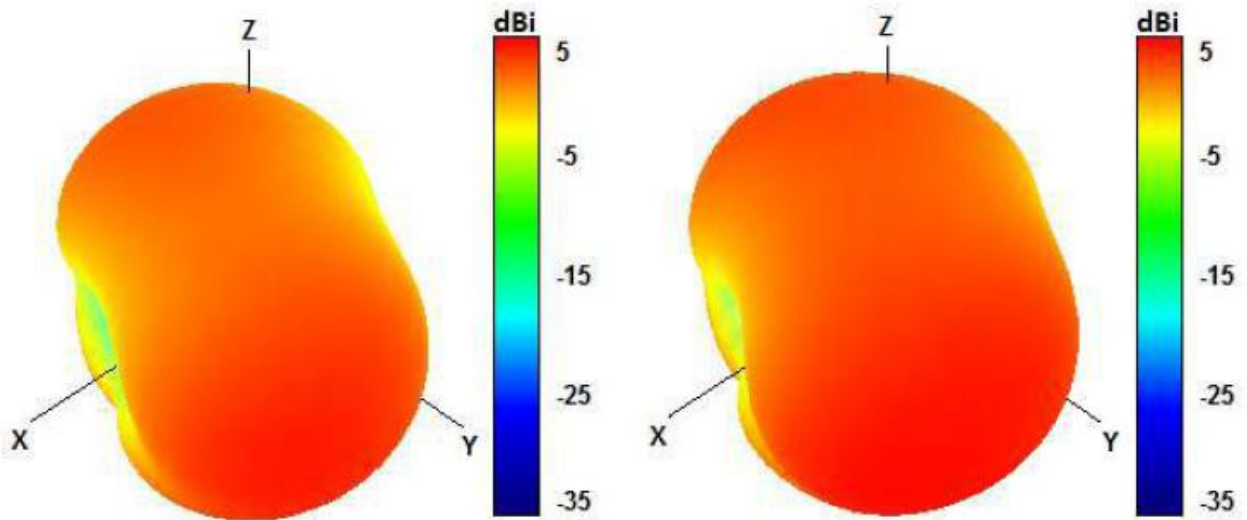


# 4G/LTE Printed Circuit Board Antenna

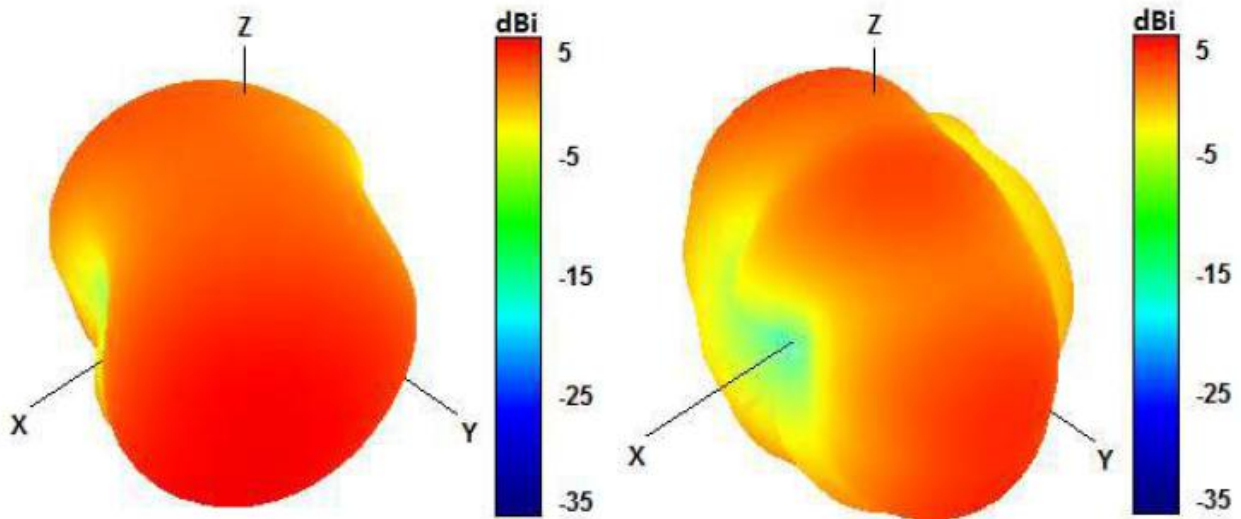


Part Number: L-2FA3

105 x 15 x 1 mm  
RoHS/RoHS II Compliant



1850 and 1950 MHz Radiation pattern



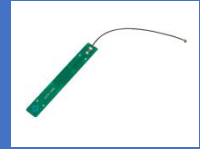
2100 and 2600 MHz Radiation pattern



MiotWireless

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## 4G/LTE Printed Circuit Board Antenna



Part Number: L-2FA3

105 x 15 x1 mm  
RoHS/RoHS II Compliant

### Packaging

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**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.