

# External 4G/LTE Antenna



AEACBK081014-S698



Ø81.3 x 14.6 mm  
RoHS/RoHS II Compliant  
MSL = 1

## Features

- 4G/LTE full band coverage
- IP67 rated
- Screw mount
- Gain of 3 dBi

## Applications

- 4G/LTE/3G/2G radios
- Telematics
- M2M
- IoT and Industrial IoT
- Set top boxes
- Gateway and security
- Transportation and agriculture
- Smart city

## Electrical Characteristics

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		698-960/1710-2690		MHz	
VSWR			3.0		
Polarization Model	Linear				
Impedance		50		Ω	
Gain		3		dBi	Zenith

## Mechanical Characteristics

Parameters	Description
Connector	SMA Male
Cable Type	RG174
Cable Length	3M
Material	ABS
Mount way	Screw
Dimensions	Ø81.3 x 14.6 mm

## Environmental Characteristics

Parameters	Description
Waterproof	IP67
Operating Temperature	-40 ~ +85°C
Relative Humidity	Up to 95%
MSL Level	1
ROHS Complaint	Yes
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours

# External 4G/LTE Antenna

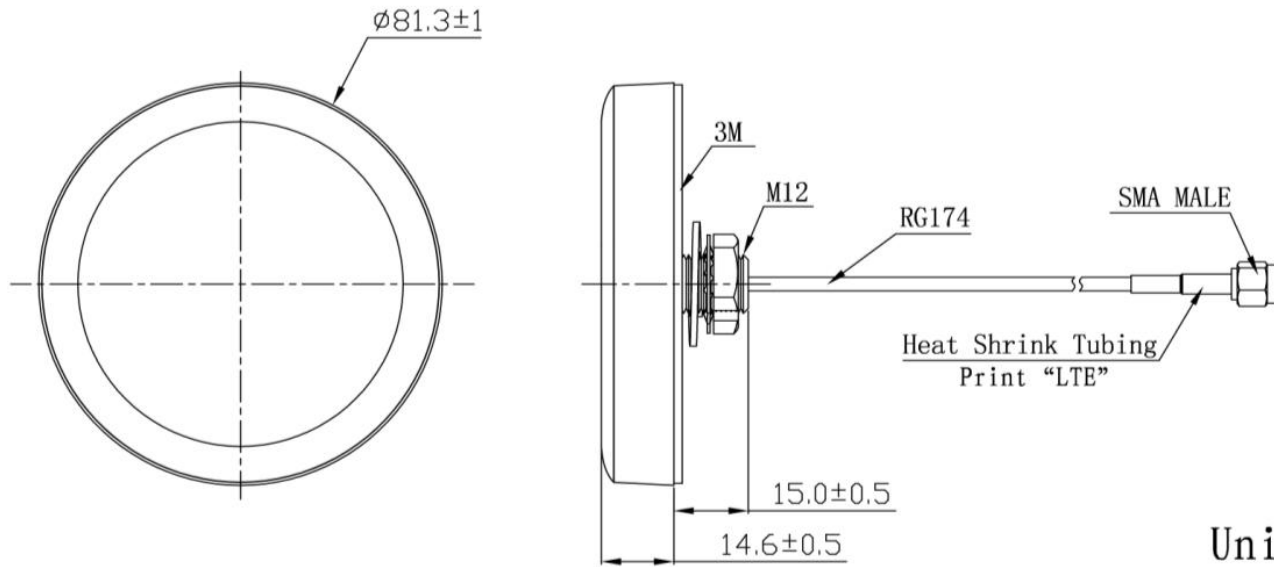


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## Dimensions



Unit: mm

## Product Image



# External 4G/LTE Antenna

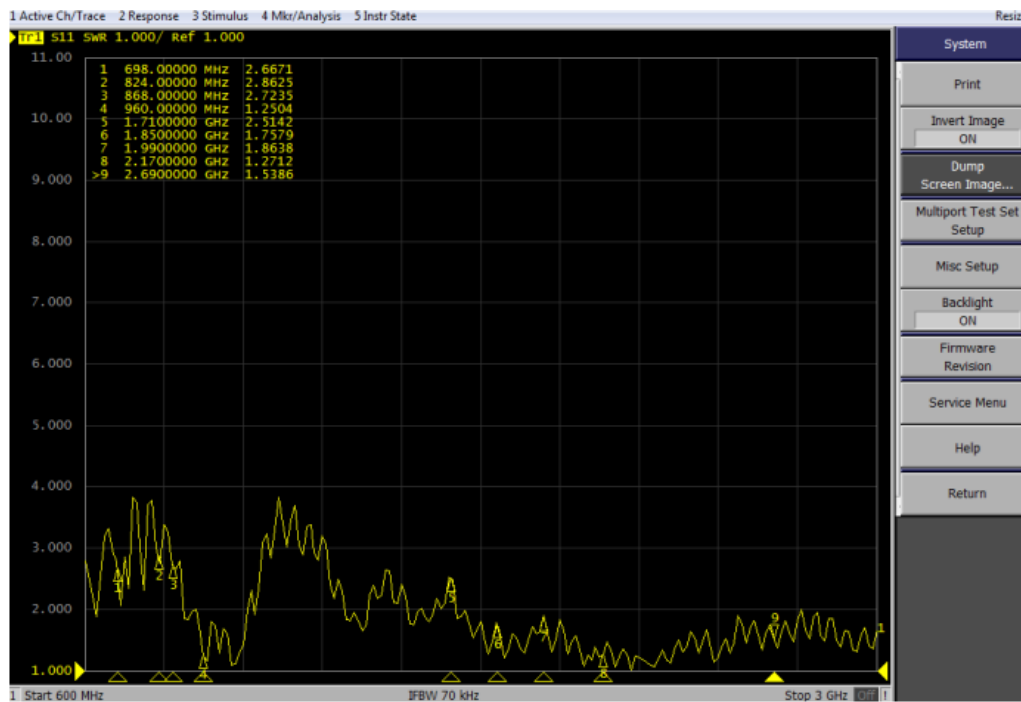


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## VSWR Characteristics



## Gain and Efficiency

Frequency (MHz)	Efficiency	Gain (dBi)
700	0.62	1.19
824	0.62	0.98
868	0.68	3.11
960	0.61	0.56
1710	0.53	-3.13
1850	0.57	-2.17
1990	0.63	0.34
2170	0.67	2.57
2690	0.58	-0.69

# External 4G/LTE Antenna

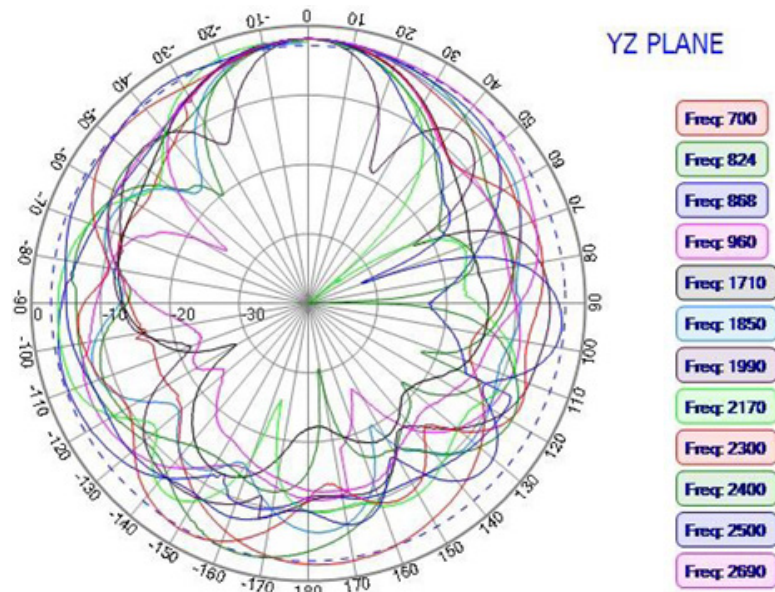
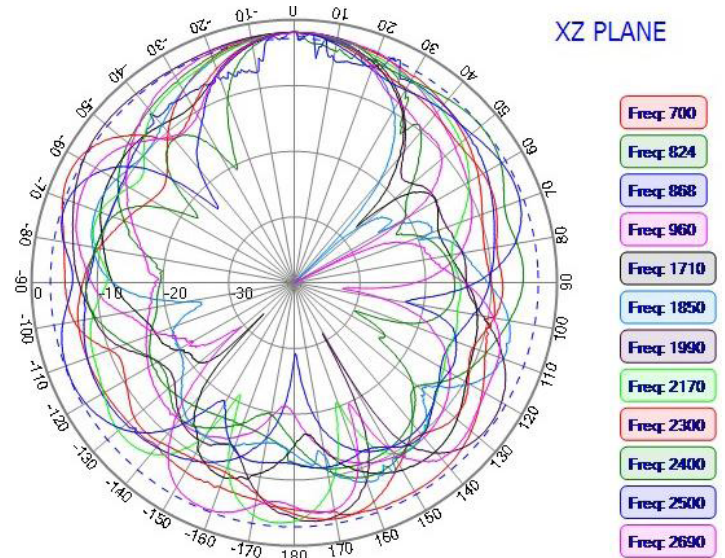
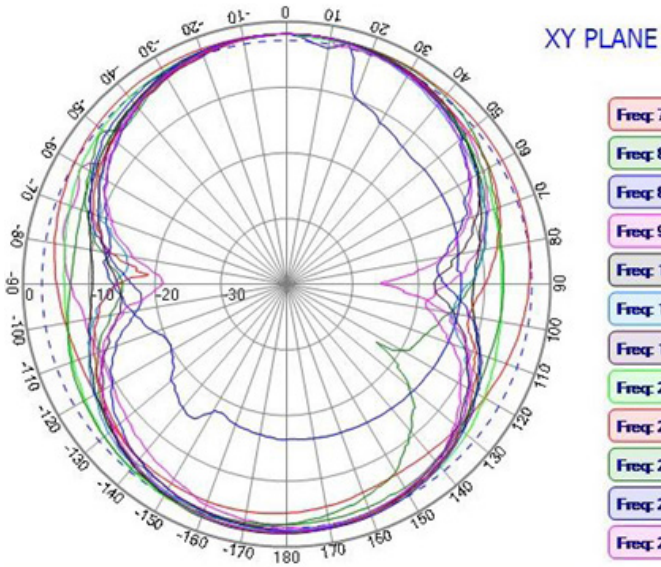


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## Radiation Patterns



# External 4G/LTE Antenna



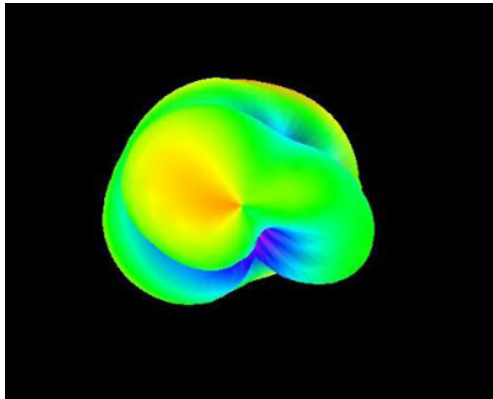
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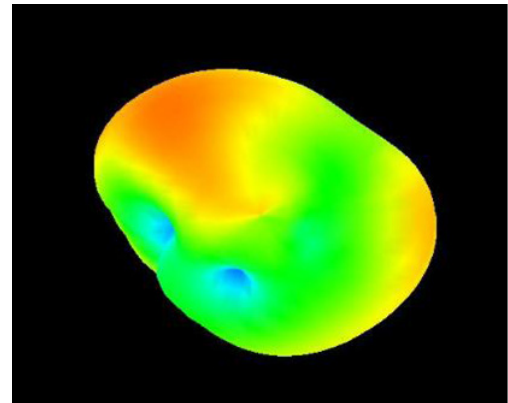
Ø81.3 x 14.6 mm  
RoHS/RoHS II Compliant  
MSL = 1

## 3D Radiation Patterns

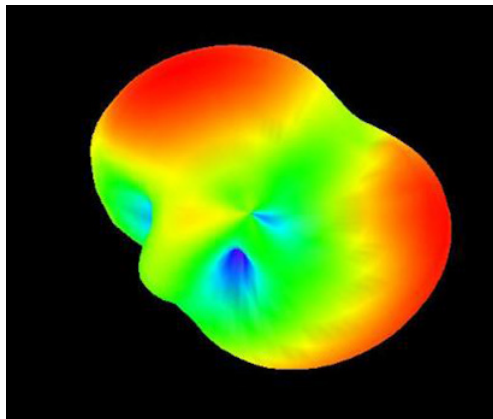
698 MHz



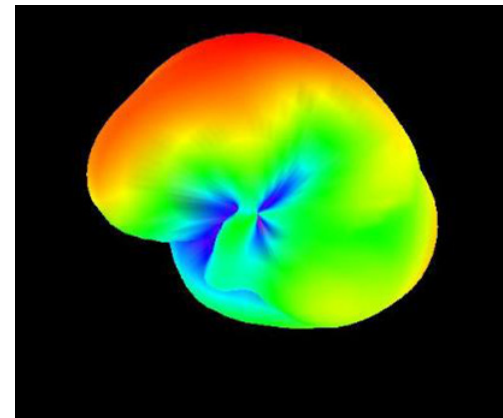
824 MHz



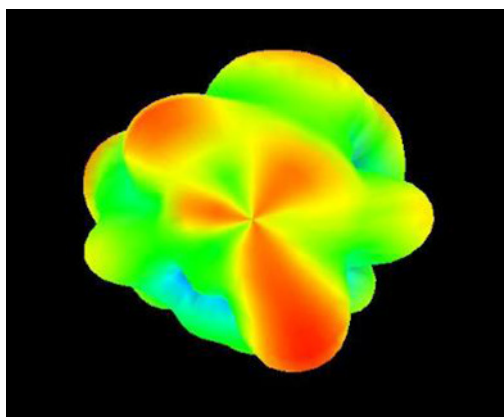
868 MHz



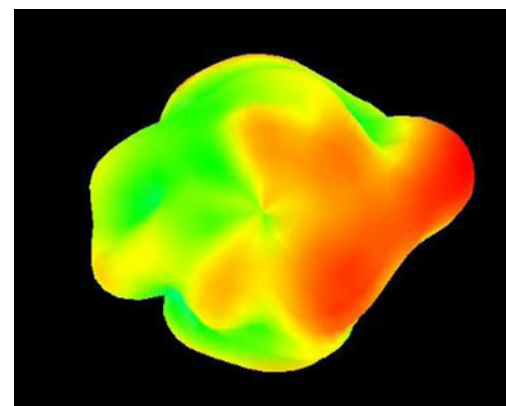
960 MHz



1710 MHz



1850 MHz



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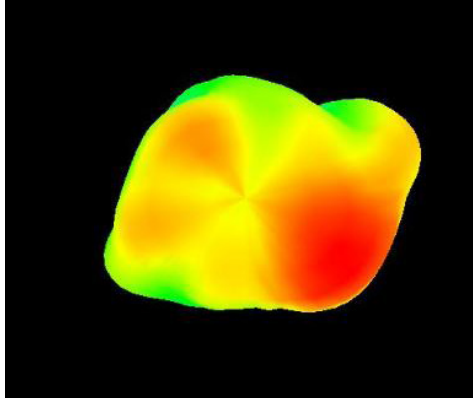
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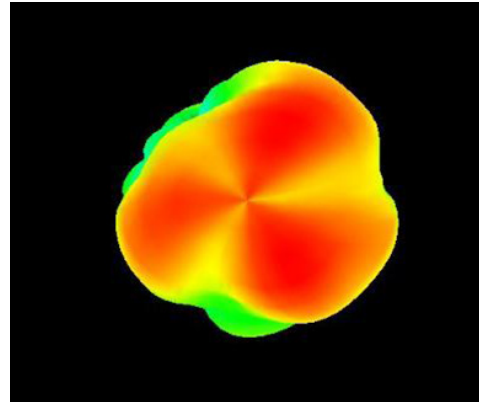
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## 3D Radiation Patterns

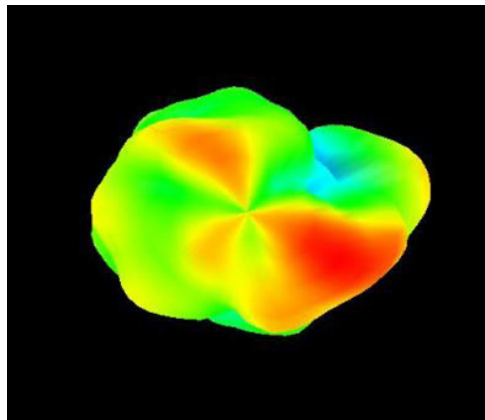
1990 MHz



2170 MHz



2690 MHz



## Packaging

Each 49.5 x 22.5 x 27 cm size carton includes 50 pcs antenna, weighs 5 kg.

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