

4G/ LTE Magnetic Mount Antenna



AEACAD097015-S698

97 x Ø 15 mm

RoHS/RoHS II Compliant

MSL - 1

FEATURES

- Operates in 700-2700 MHz
- Linear polarization
- High gain of 5 dBi
- Omni-directional pattern
- VSWR 2.5

APPLICATIONS

- 4G/LTE radios
- Gateways
- Set-Top boxes
- Security
- IoT
- M2M
- Transportation
- Smart agriculture

Electrical Characteristics

Parameters	Min.	Typ.	Max	Units	Note
Frequency Range		700 ~ 2700		MHz	
VSWR			2.5		
Polarization Model	Linear				
Impedance		50		Ω	
Gain		5.0		dBi	Zenith

Mechanical Characteristics

Parameters	Note
Connector	SMA
Cable Type	RG58
Cable Length	3M
Mounting	Magnetic
Dimensions	97 x Φ 62 mm



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REVISED: 08.15.2018

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4G/ LTE Magnetic Mount Antenna



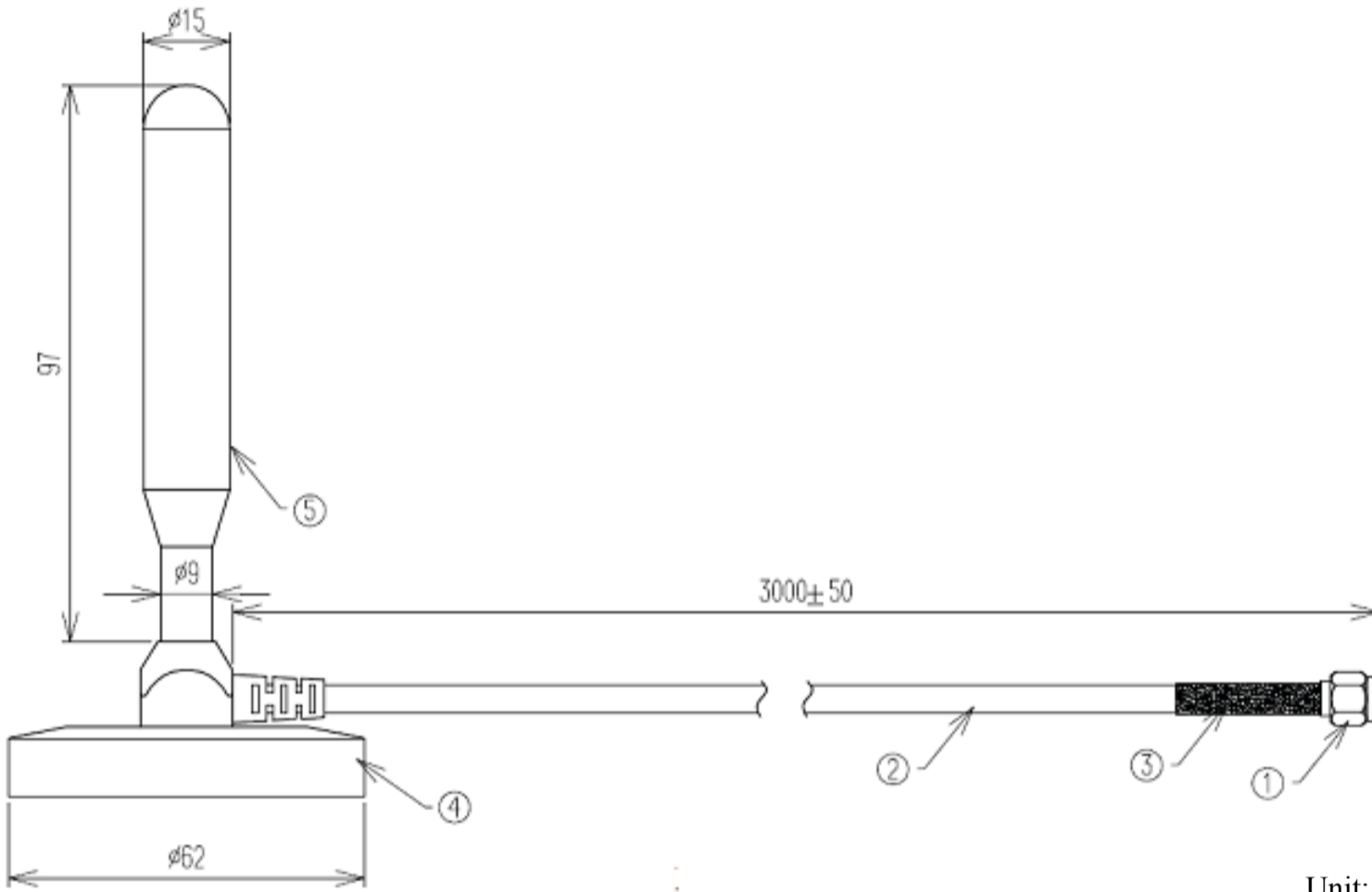
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Dimensions



Unit: mm

Product Image



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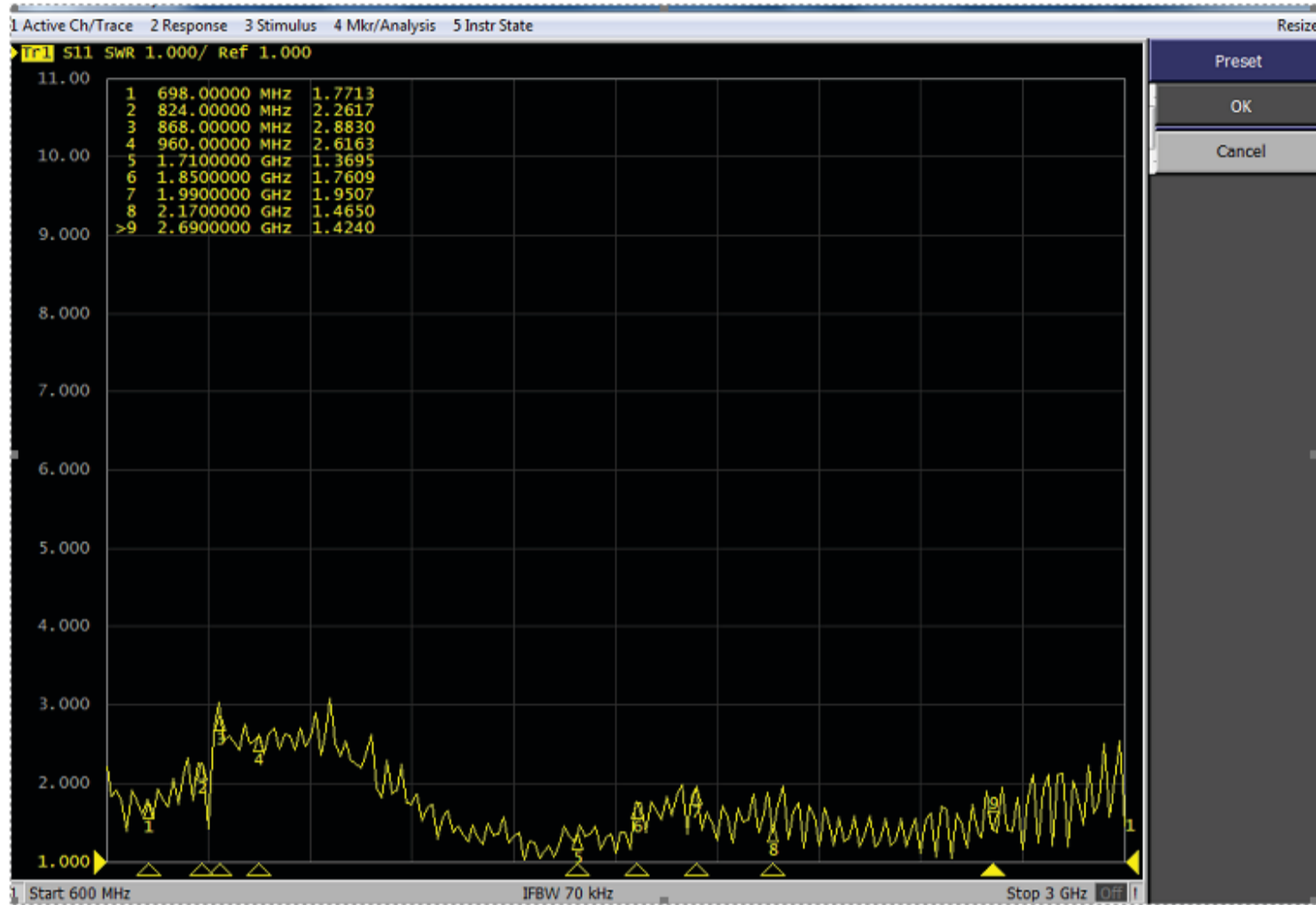
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VSWR



Gain and Efficiency

Frequency(MHz)	Efficiency (%)	Gain (dBi)
700	0.65	4.87
824	0.62	3.08
868	0.61	3.09
960	0.60	2.56
1710	0.53	2.85
1850	0.59	2.92
1990	0.52	1.81
2170	0.57	2.46
2690	0.58	2.66



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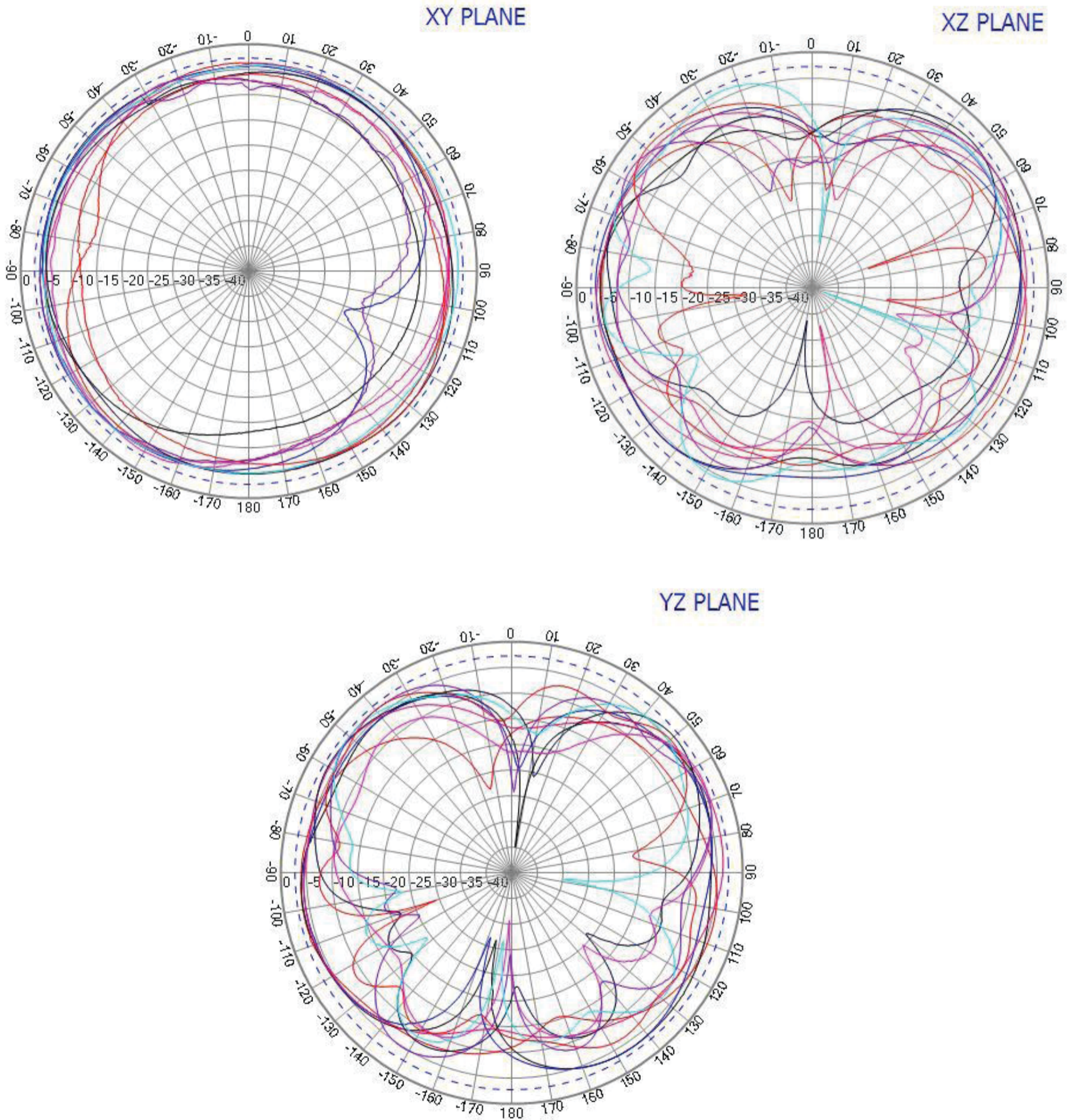
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Radiation Pattern



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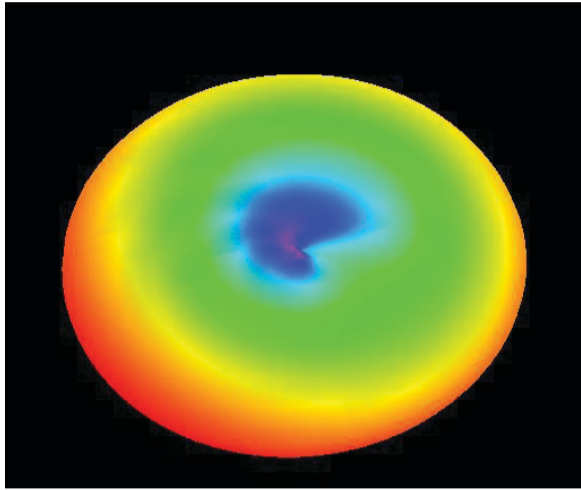
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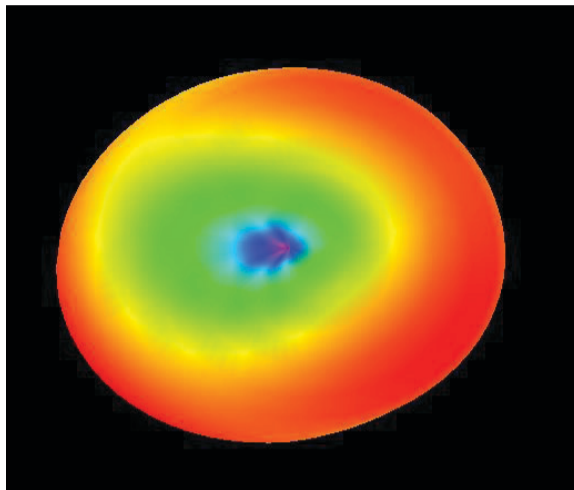
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Radiation Pattern

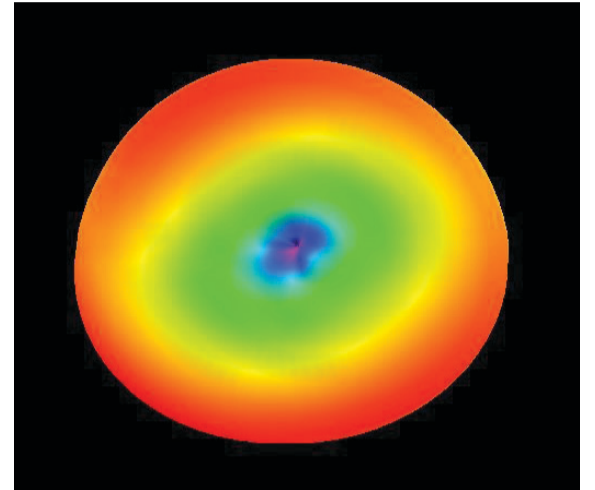
3D Radiation Patterns



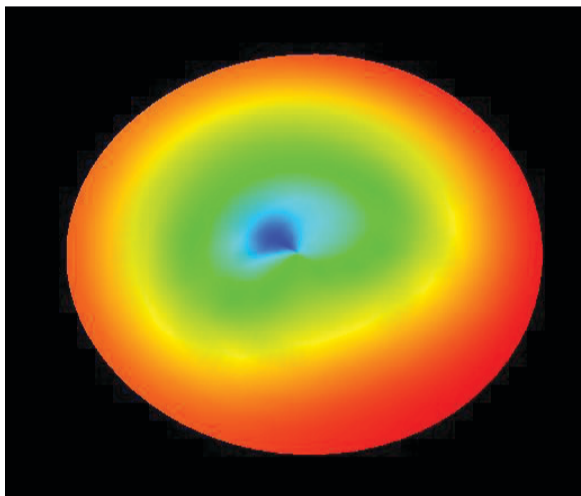
698 MHz



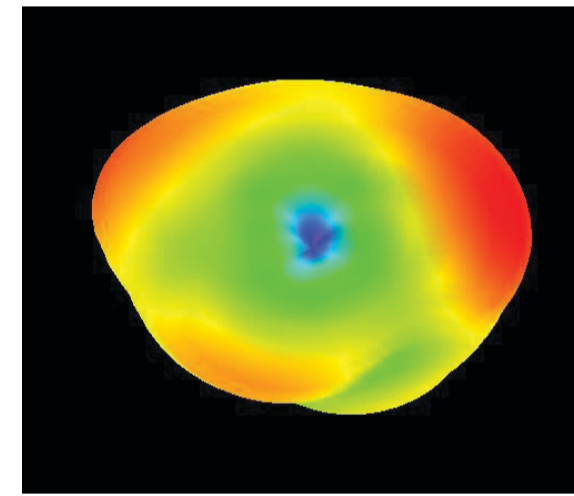
824 MHz



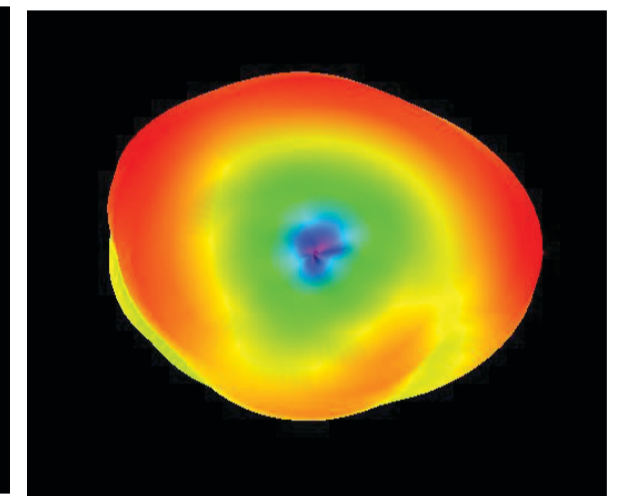
868 MHz



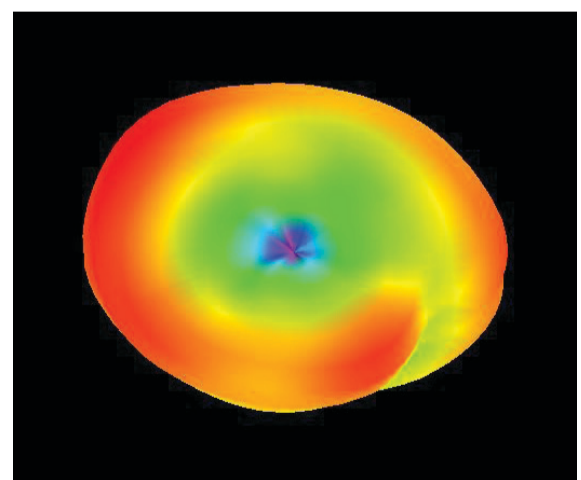
960 MHz



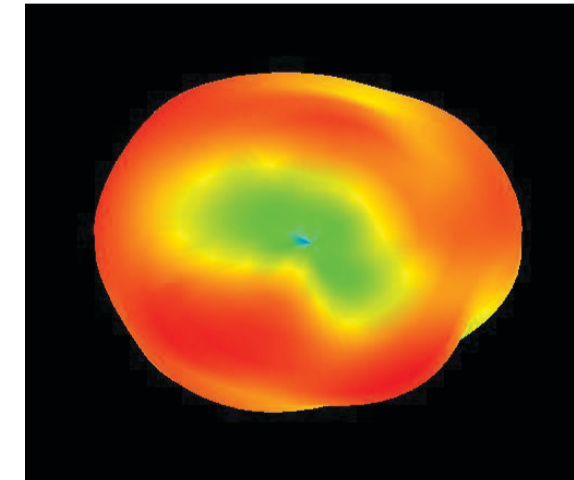
1710 MHz



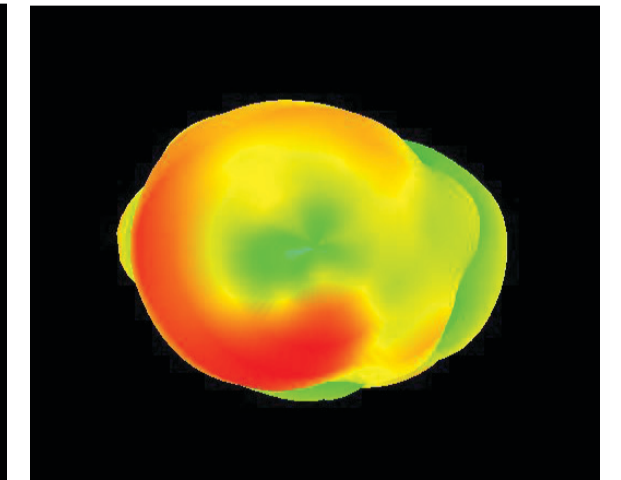
1850 MHz



1900 MHz



2170 MHz



2690 MHz



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Packaging

Each 35 x 35 x 30cm size carton includes 50 pcs antenna, weighs 15 kg



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