4G/LTE Flexible Printed Antenna

AFAC5867-S698

67.4 x 58.4 x 0.2 mm

RoHS/RoHS II Compliant

MSL - 1

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	Note
Frequency Range		698~960/1710~2690		MHz	
VSWR			2.0		
Polarization Model		Linear			
Impedance		50		Ω	
Gain		2.0		dBi	

Mechanical Characteristics

Parameters	Description
Connector	IPEX
Cable Type	RF1.13
Mounting	Embedded
FPC Dimensions	67.4 x 58.4 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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4G/LTE Flexible Printed Antenna

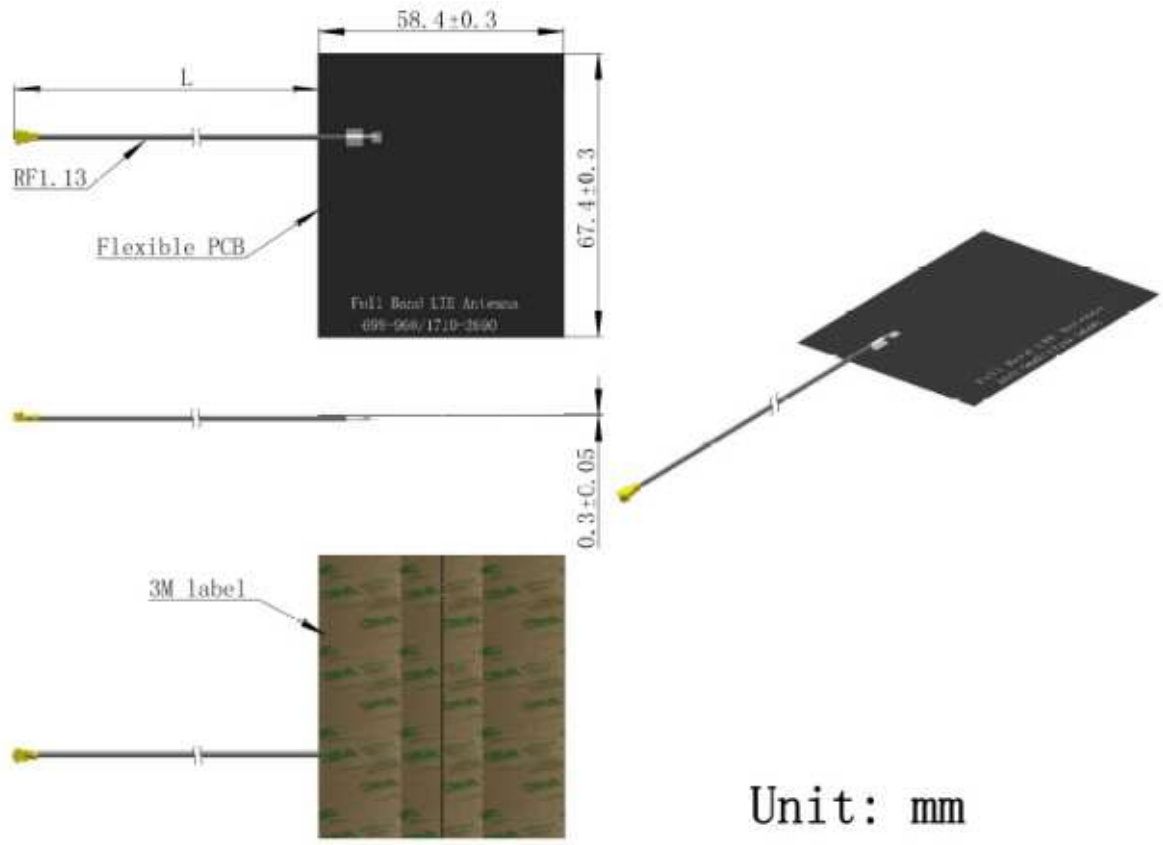
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Dimensions



Product Image



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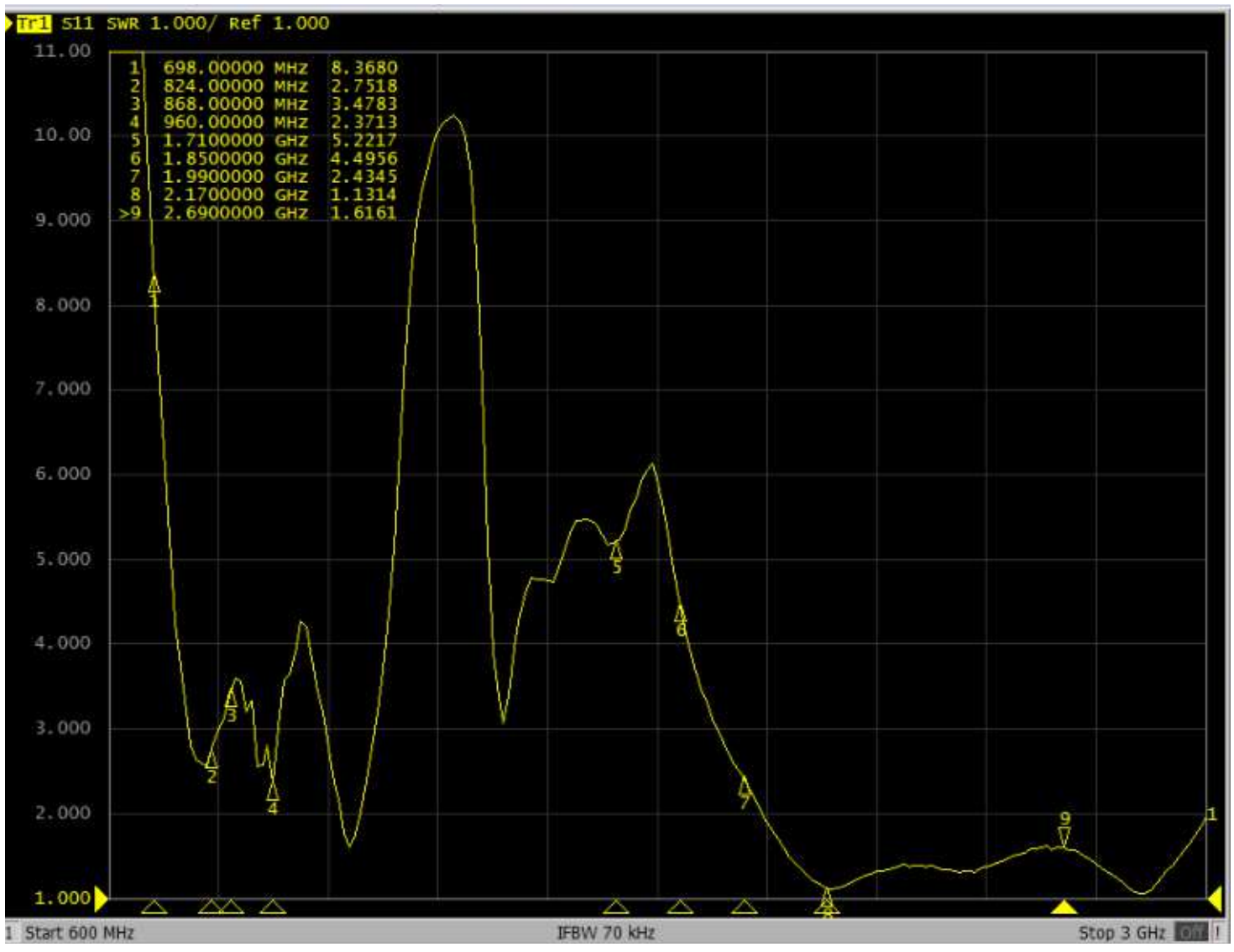
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VSWR



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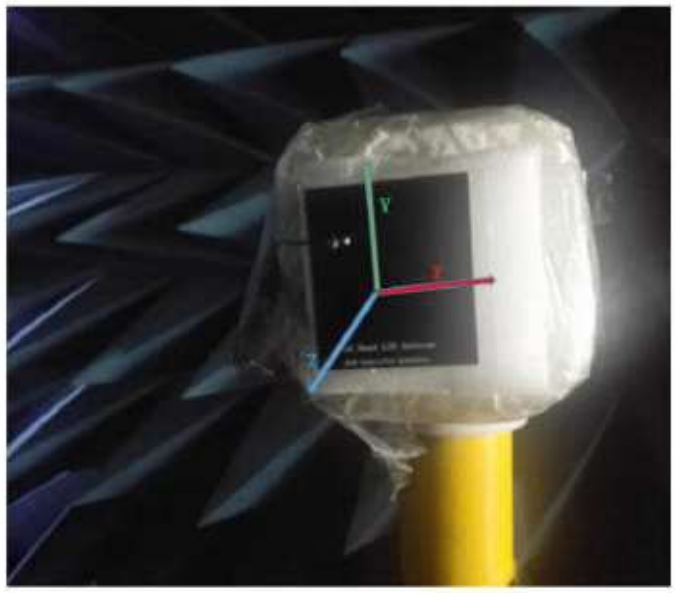
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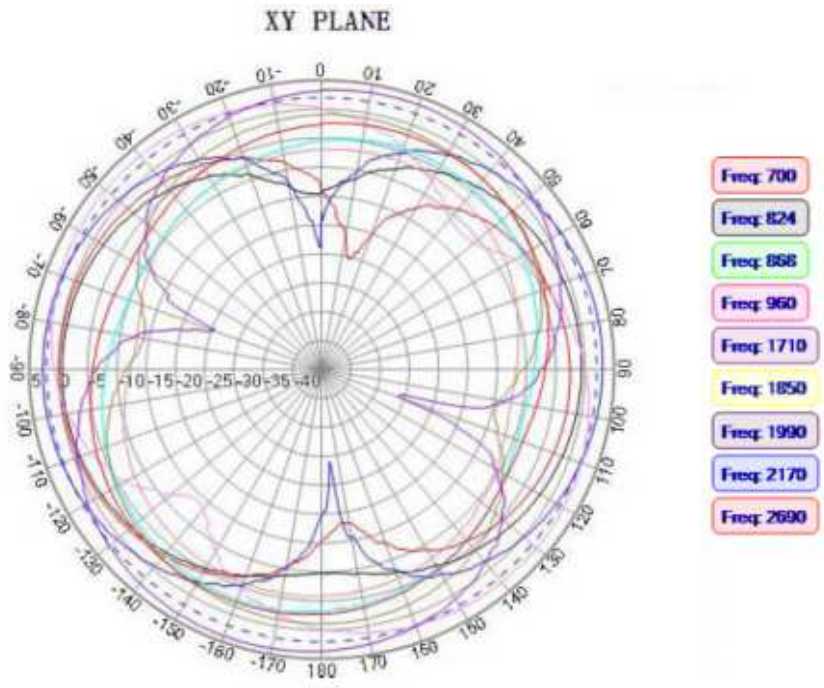
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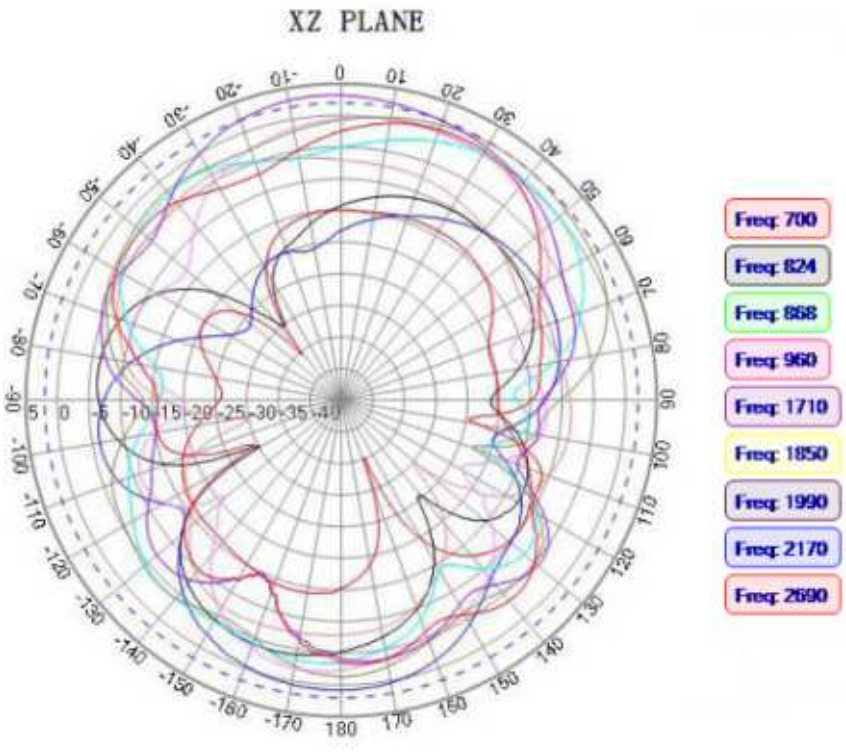
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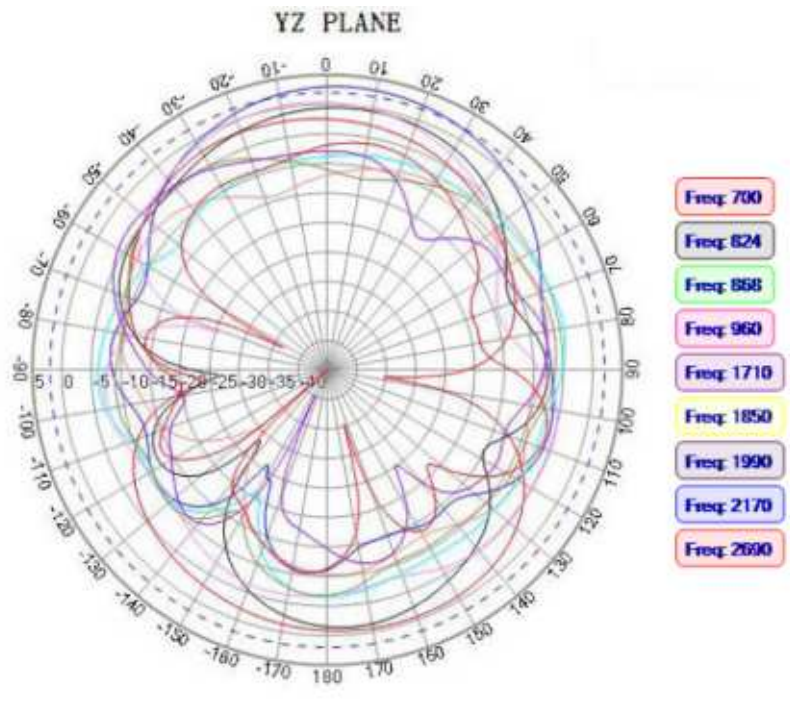
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Radiation Patterns









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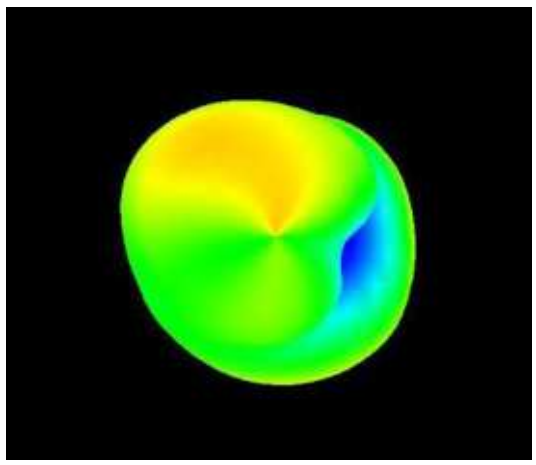
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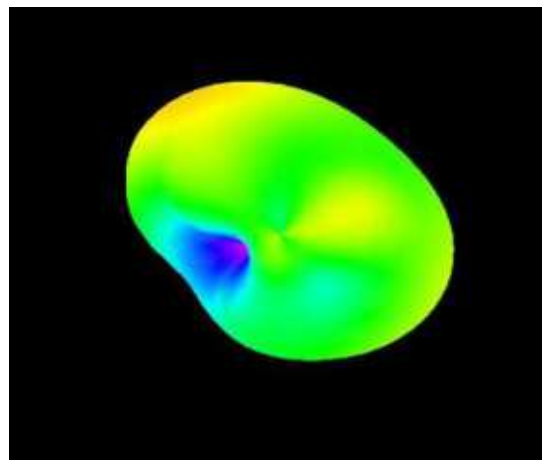
Radiation Patterns

3D-Pattern

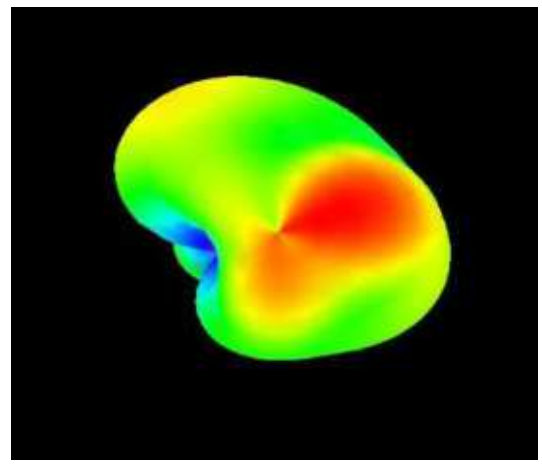
698 MHZ



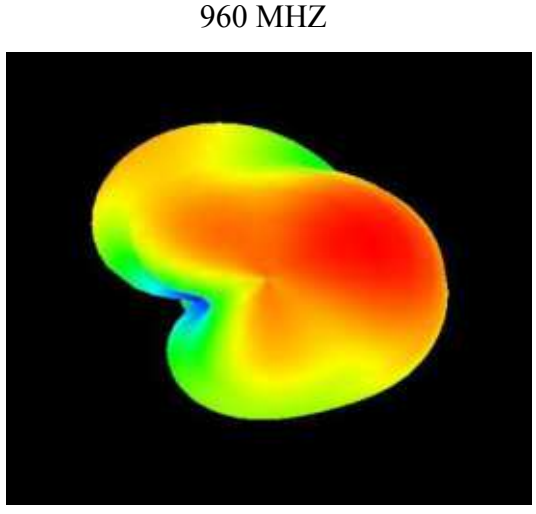
824 MHZ



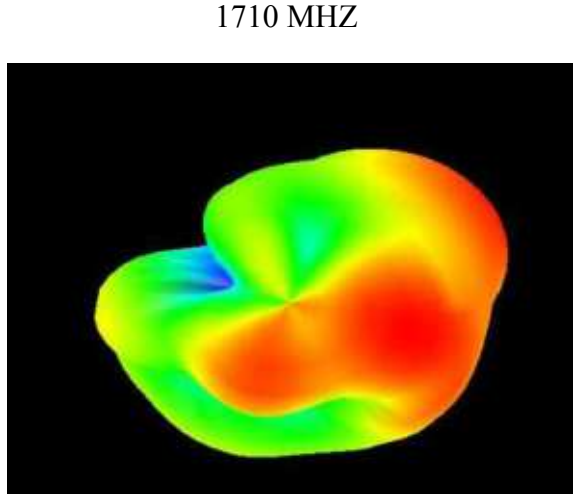
868 MHZ



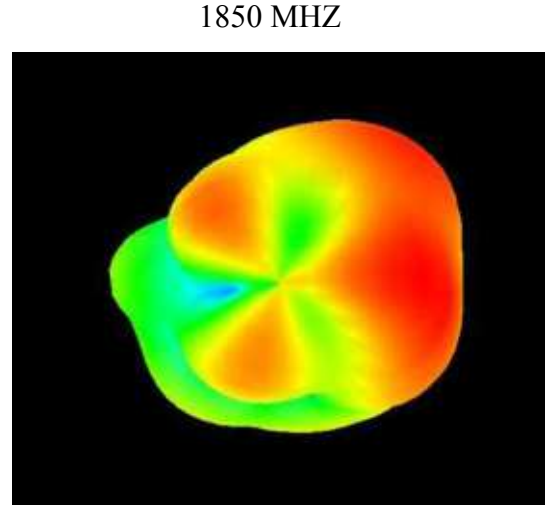
960 MHZ



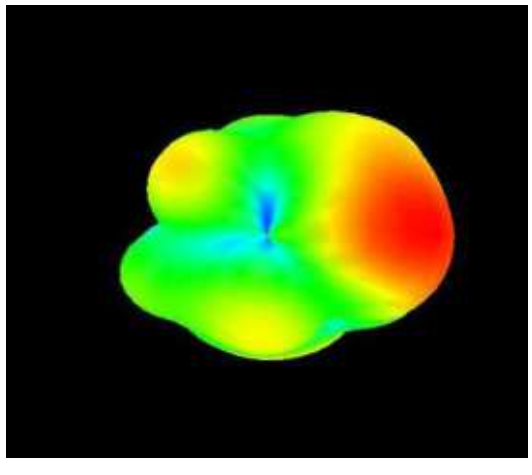
1710 MHZ



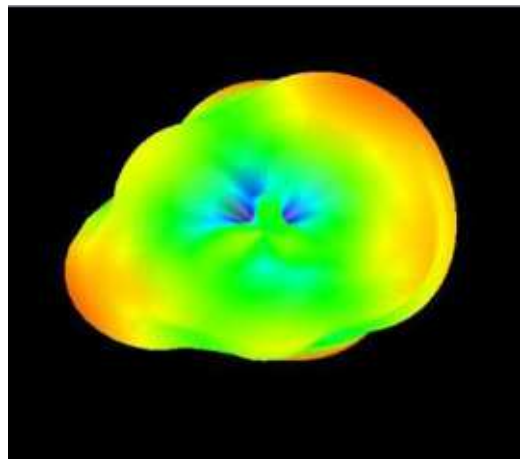
1850 MHZ



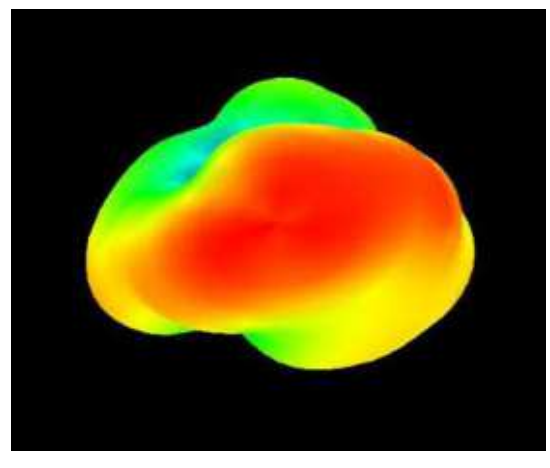
1990 MHZ



2170 MHZ



2690 MHZ



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Gain and Efficiency

Frequency (MHz)	Efficiency	Gain (dBi)
698	0.39	-10.11
824	0.4	-3.96
868	0.46	0.82
960	0.44	0.3
1710	0.4	-3.85
1850	0.43	0.33
1990	0.53	2.52
2170	0.57	3.1
2690	0.45	1.59

Packaging

Each 37 x 36 x 17 cm size carton includes 1,000 pcs antenna, weighs 8 kg

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