

4G/LTE External Antenna



AEACAC198013-S698



198.0 x Ø13.0 mm
RoHS/RoHS II Compliant

MSL = N/A: NOT APPLICABLE

FEATURES

- Operates in 698-960 MHz and 1710-2655 MHz
- Gain of 3dBi
- VSWR \leq 3.0
- Input of 10W

APPLICATIONS

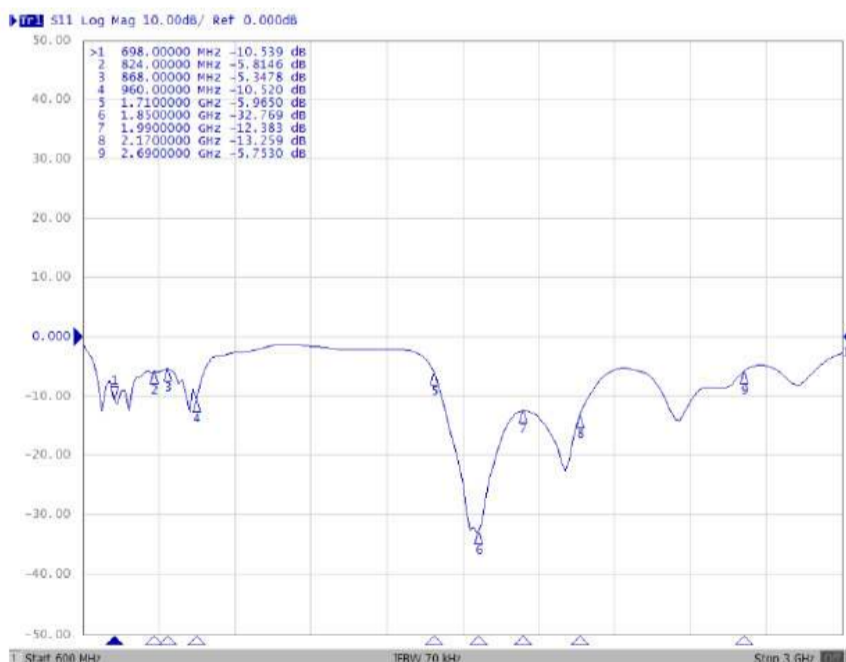
- 4G/LTE
- 2G/3G/4G radios
- LTE radios
- Gateways
- Set-Top Boxes
- Security
- IoT

ELECTRICAL SPECIFICATIONS

Parameters	min	Typ.	Max.	Units	Note
Frequency Range		698~960/1710~2655		MHz	
VSWR			3.0		
Polarization Model		Linear			
Impedance		50		Ω	
Gain		3		dBi	
Operating Temperature	-40		+85	$^{\circ}\text{C}$	
Input Power			10	W	

RETURN - LOSS CHARACTERISTICS

S11 Return-Loss



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 04.10.2020

ABRACON IS
ISO9001-2015
CERTIFIED

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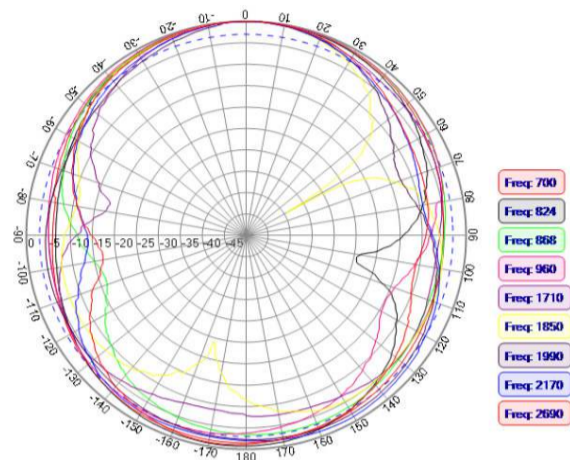
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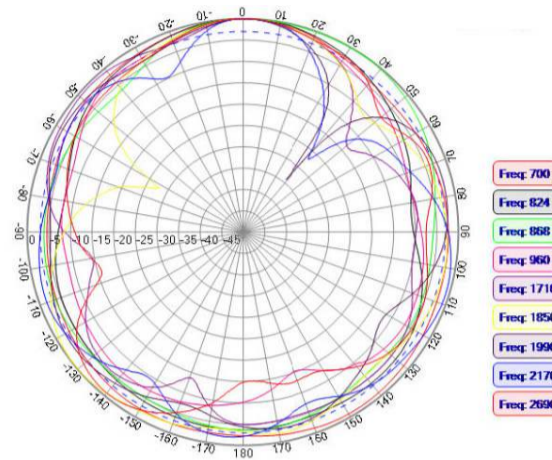
RADIATION PATTERNS

Antenna 2D Patterns

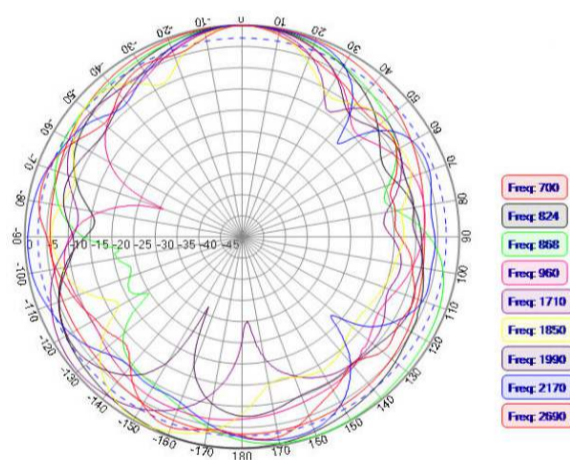
XY Plane



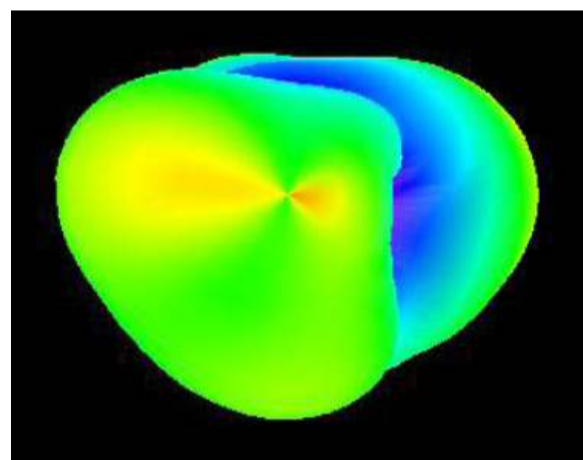
XZ Plane



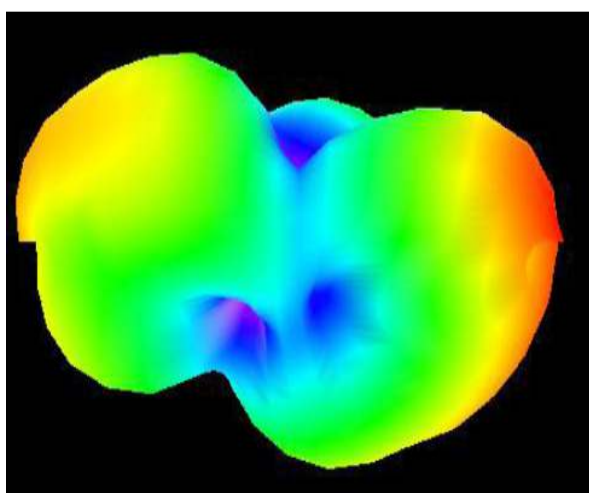
YZ Plane



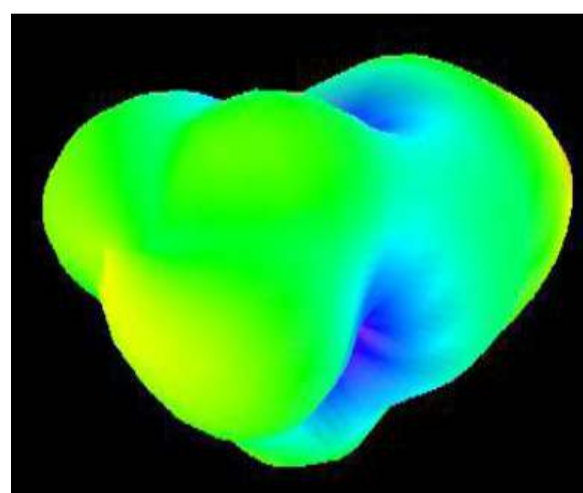
Antenna 3D Patterns 700 MHz



824 MHz



868 MHz



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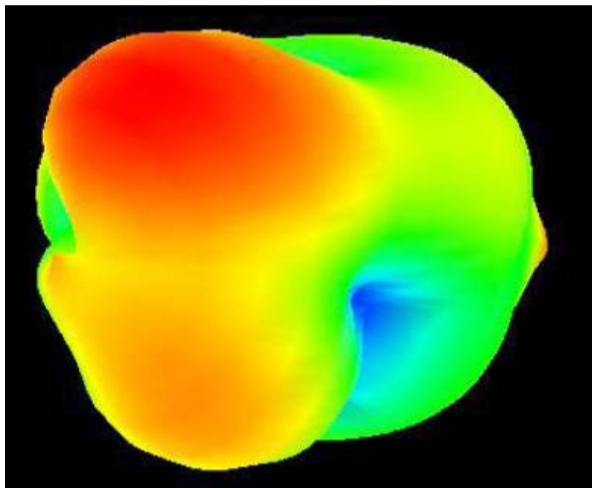


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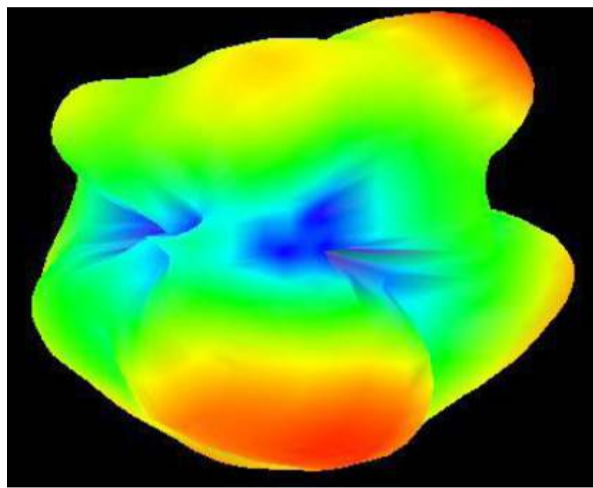
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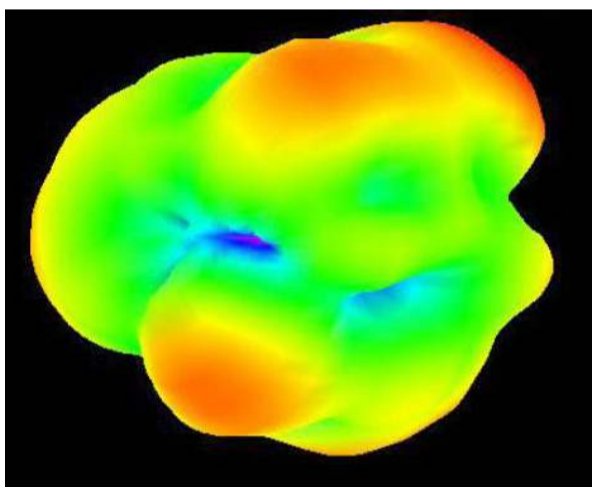
960 MHz



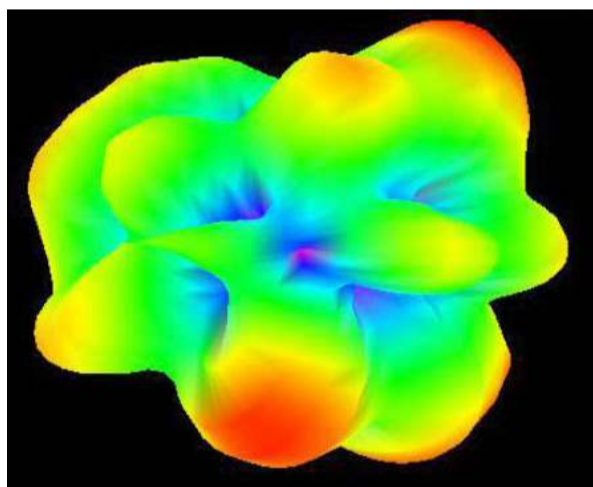
1710 MHz



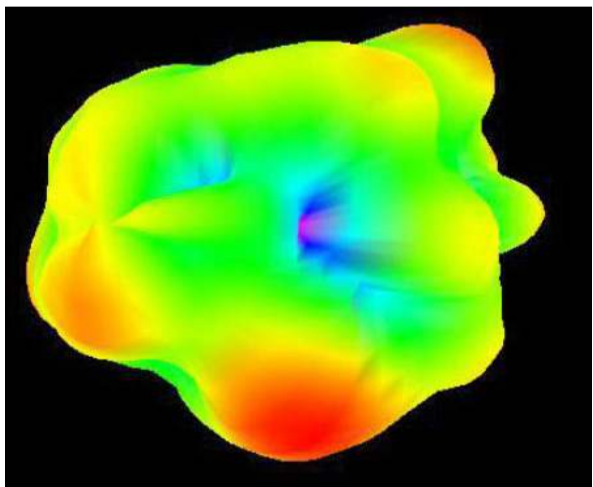
1850 MHz



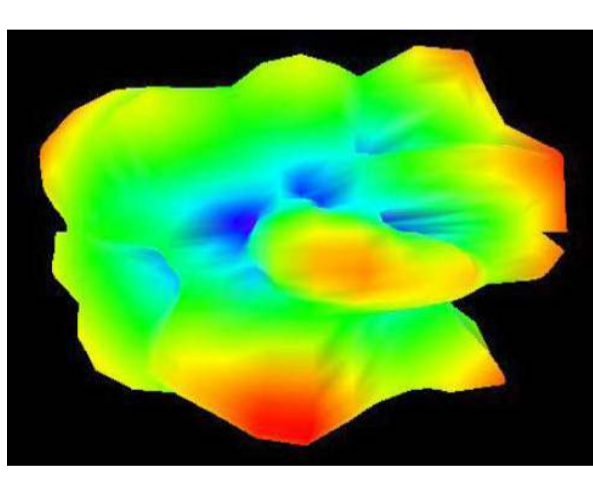
1990 MHz



2170 MHz



2690 MHz



Frequency (MHz)	700	824	868	960	1710	1850	1990	2170	2690
Peak Gain (dBi)	3.50	3.60	4.60	3.30	-0.40	3.20	2.00	1.69	0.52
Efficiency (%)	55	58	57	56	57	60	63	60	58



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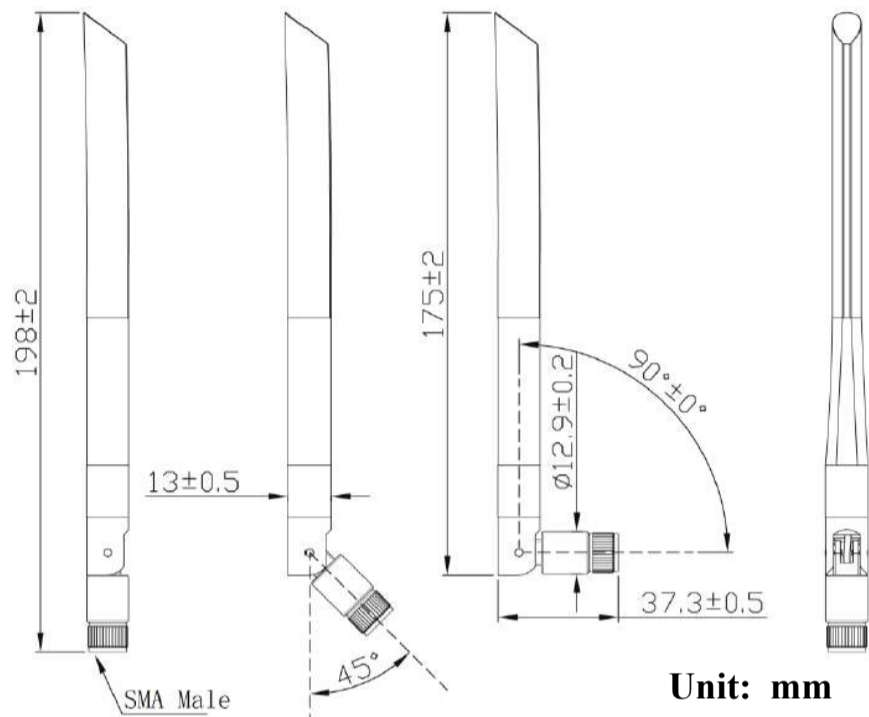
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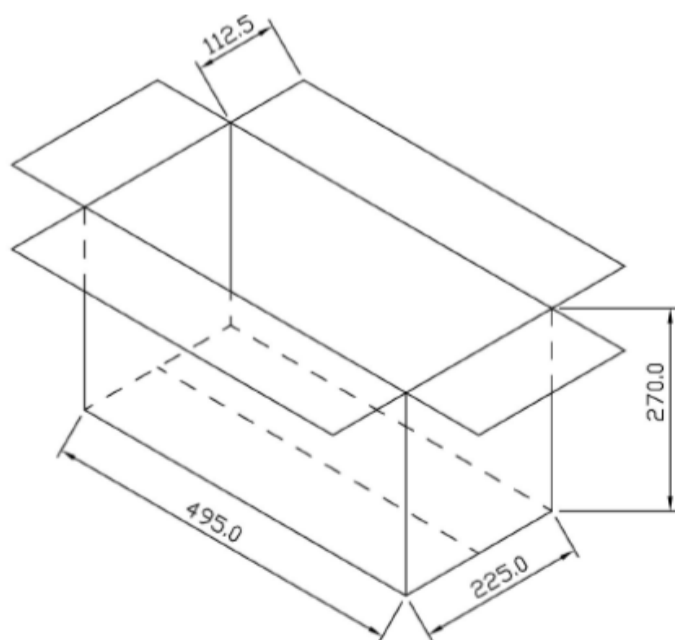
DIMENSIONS:



Parameters	Description
RF Connector	SMA Male
Mounting Type	Connector mount

PACKAGING:

Each 495 x 225 x 270 mm size carton includes 500 pcs antenna, 13kgs/carton.



Unit: mm

