

4G LTE Cellular Band Blade Antenna



AEACCA115021-S698



115.6 x 21.7 x 5.8 mm
RoHS/RoHS II Compliant

MSL = N/A: NOT APPLICABLE

FEATURES

- LTE700, GSM850, GSM900, DCS, PCS, UMTS1, LTE2600
- Gain of 2dBi
- VSWR \leq 2.0
- Low profile 5.8mm
- Adhesive mount

APPLICATIONS

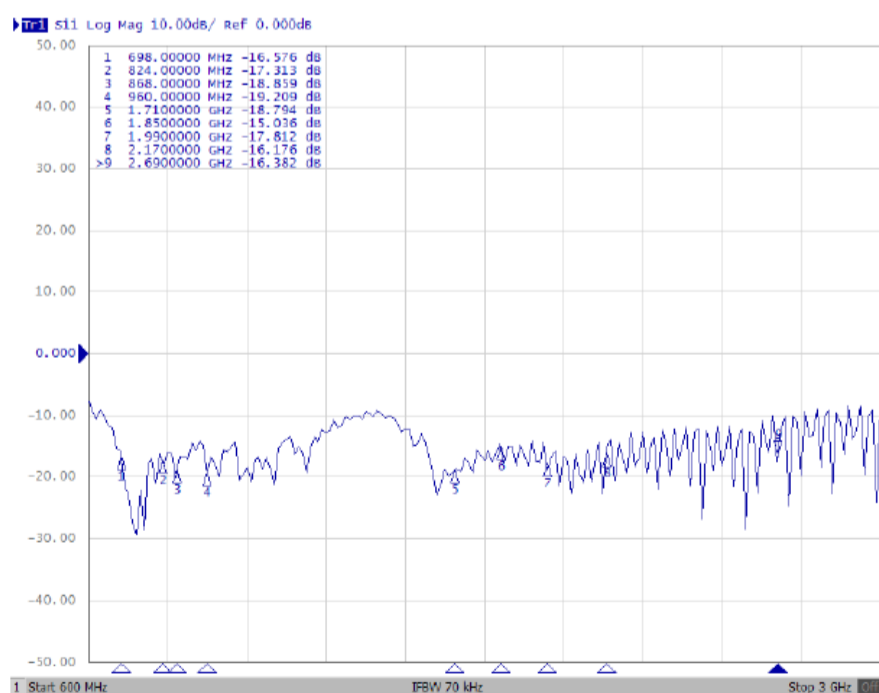
- IoT applications
- M2M
- 4G/LTE applications
- GSM
- DCS
- PCS
- UMTS
- Remote technology/ monitoring
- POS terminals

EXTERNAL ANTENNA

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		698~960/1710~2655		MHz	
VSWR			2.0		
Polarization Model	Linear				
Impedance		50		Ω	
Gain		2		dBi	(Zenith)
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
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REVISED: 07.29.2019

ABRACON IS
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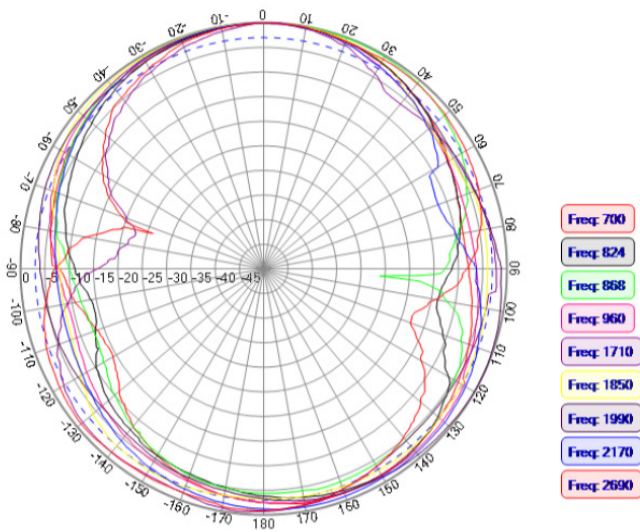


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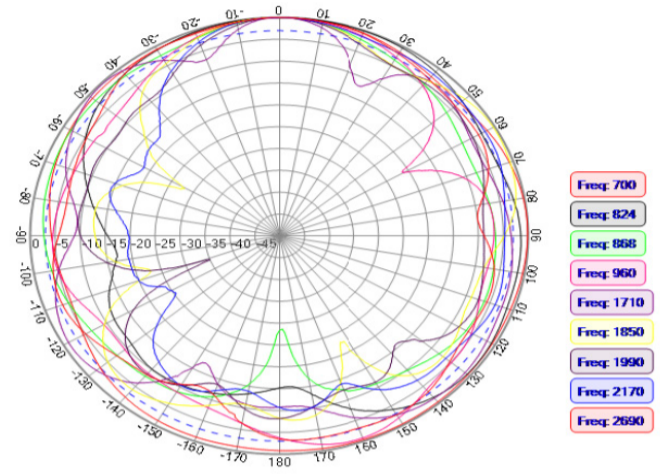
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RADIATION PATTERNS

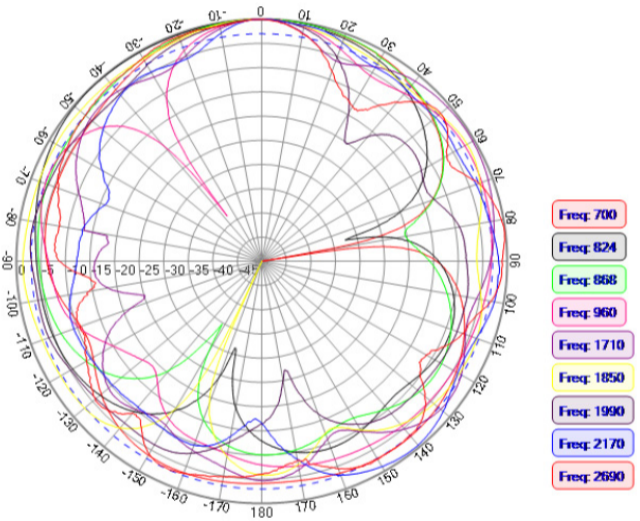
XY Plane



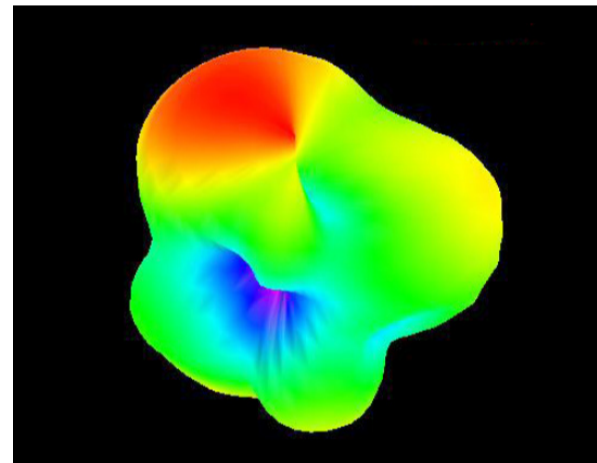
XZ Plane



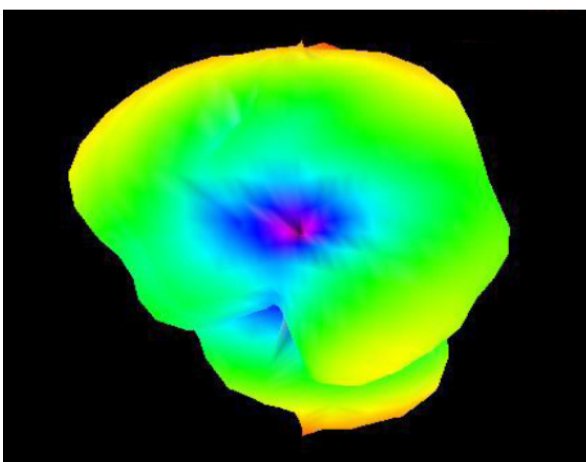
YZ Plane



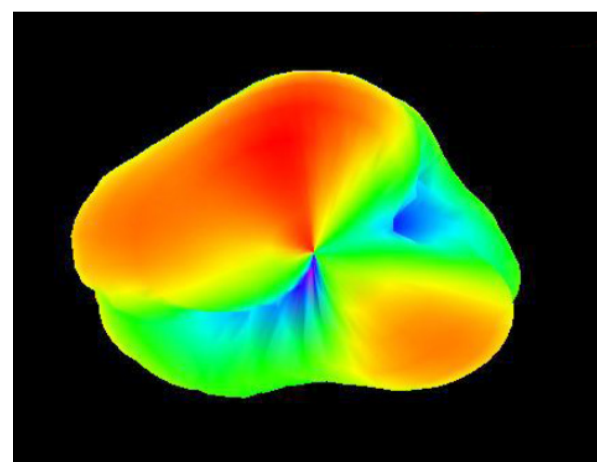
700 MHz



824 MHz



868 MHz



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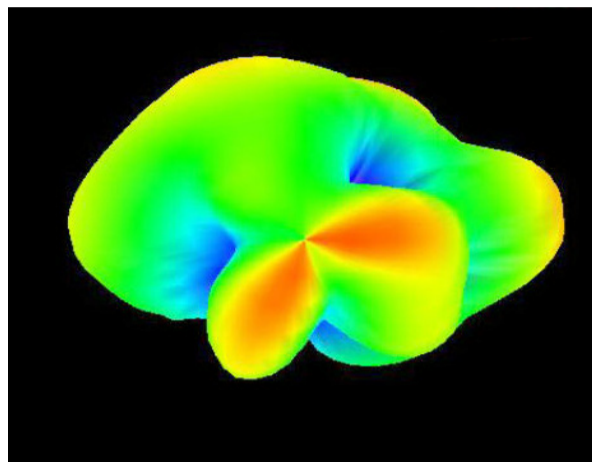


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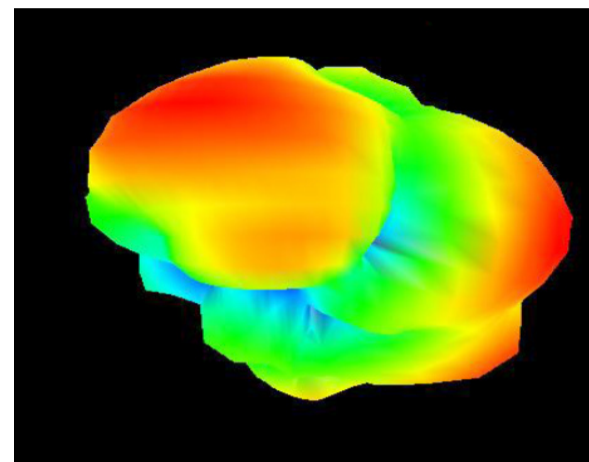
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3D PATTERNS

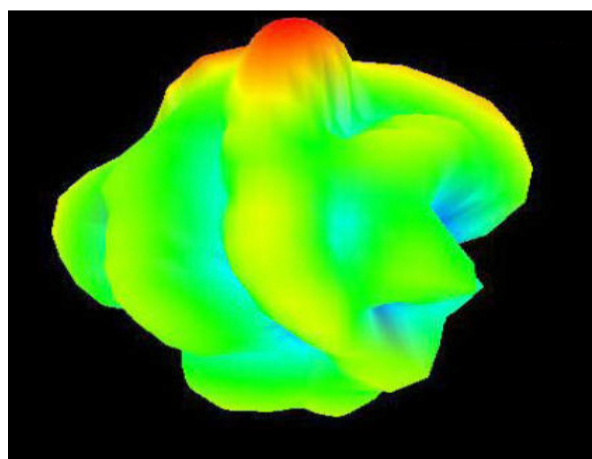
960 MHz



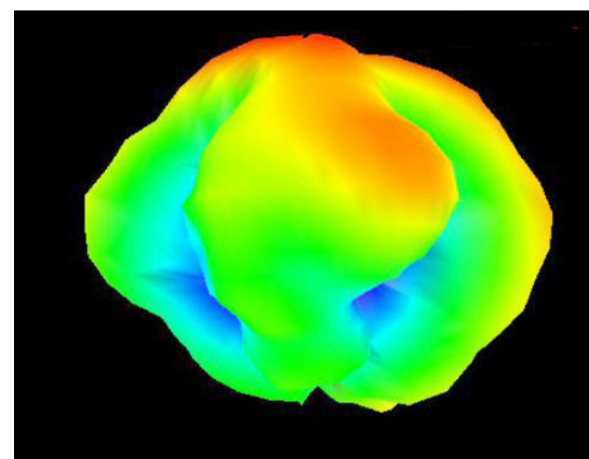
1710 MHz



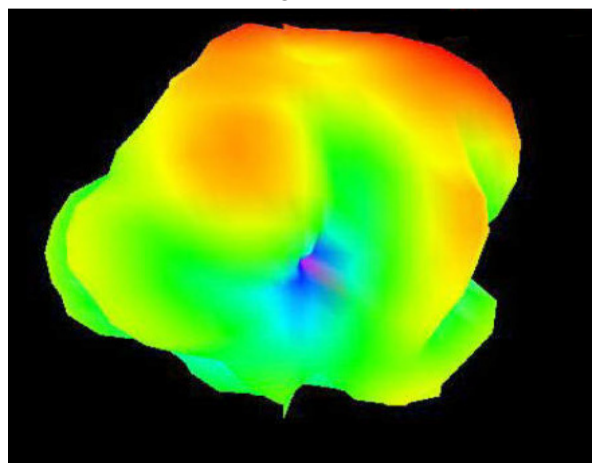
1850 MHz



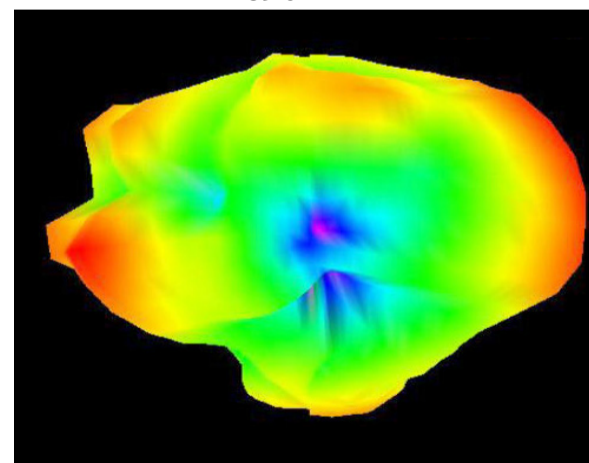
1990 MHz



2170 MHz



2690 MHz



Frequency (MHz)	700	824	868	960	1710	1850	1990	2170	2690
Peak Gain (dBi)	2.12	0.83	2.60	1.00	1.61	0.78	0.34	-0.89	-3.00
Efficiency (%)	59	53	56	71	57	58	57	56	55



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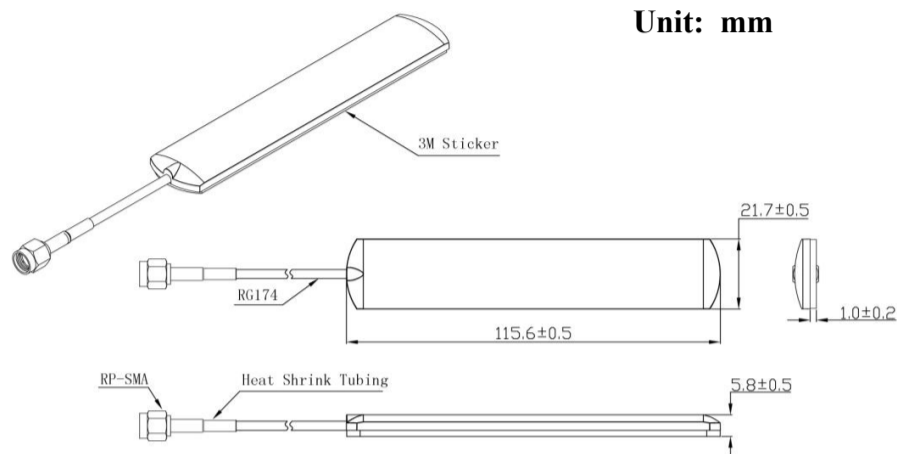


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DIMENSIONS

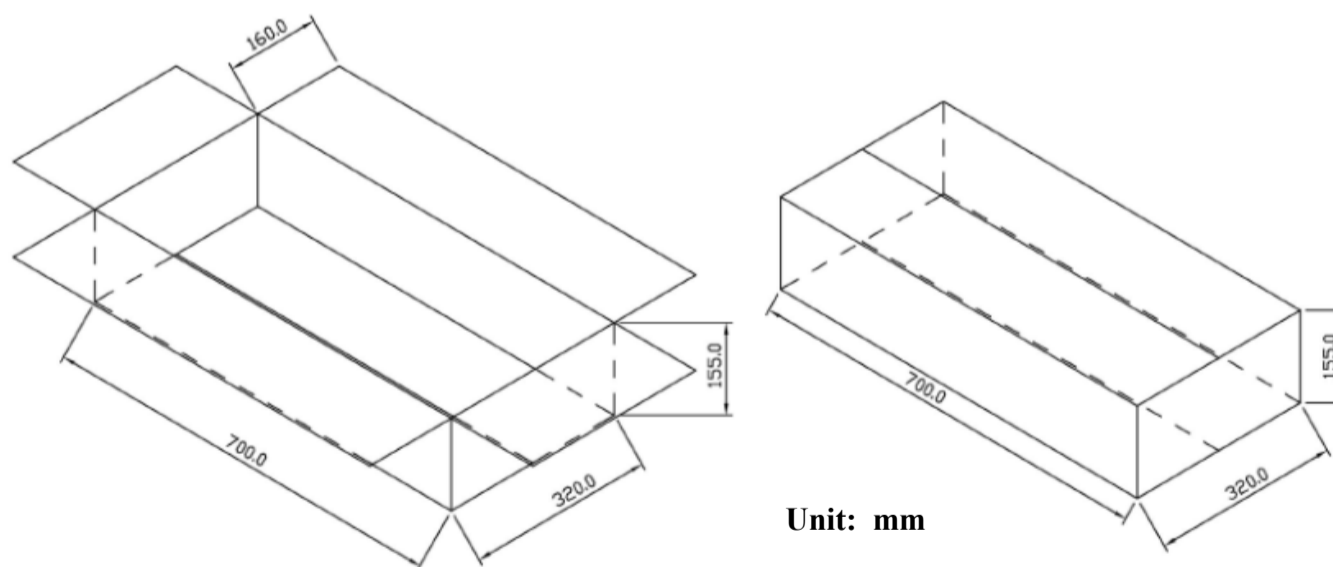
Unit: mm



Parameters	Description
Cable Length	3.00 m
RF Cable	RG174
RF Connector	SMA
Radome Material	ABS
Mounting Type	Adhesive

PACKAGING

Each 700 x 320 x 155 mm size carton includes 250 pcs antenna, 13kgs/carton.



Unit: mm



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