

Multiband 2G 3G 4G/LTE Antenna



Part Number: L-1RC3B

88 mm*30mm
 RoHS/RoHS II Compliant

Features

- Operates in 824-2690 MHz
- Multiband band antenna
- Vertical polarization
- High gain of 5 dBi
- VSWR 1.4
- Omni-directional pattern

Applications

- 4G/LTE radios
- Gateways
- Set-Top Boxes
- Security
- Transportation
- Smart agriculture

Electrical Specifications

Frequency Range	LTE (824 MHz ~2690 MHz)
Input Impedence	50 Ω
VSWR	≤ 1.7
Gain	4 DBi
Efficiency	60%
Polarization Type	Vertical

Mechanical Specifications

Antenna Size	88 x 30 mm
Mounting	Magnetic
Connector	SMA Female
Cable Type	1000mm
Radiator	Cuprum
Enclosure	TPE
Base	PBT + PC
Radom Color	Black
Working Temperature	-20°C to +80°C

Product Images

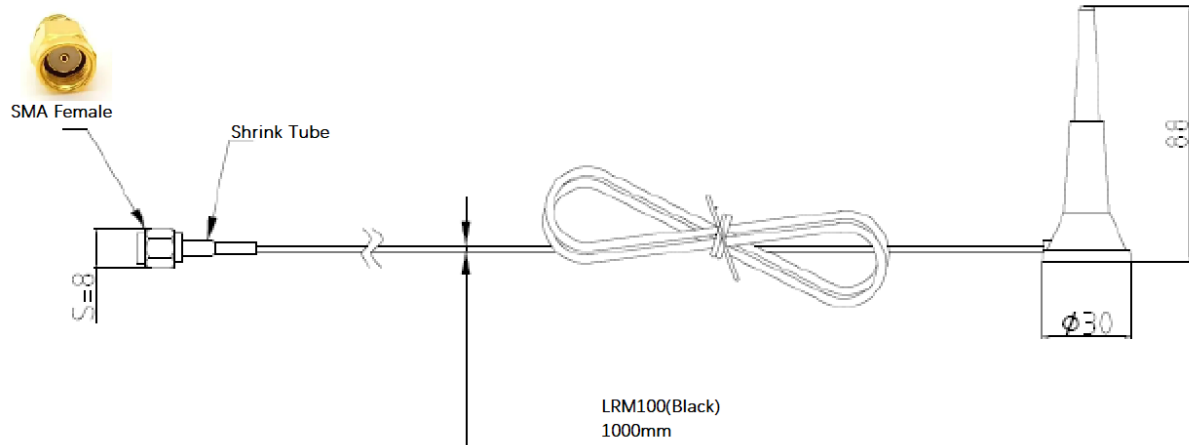


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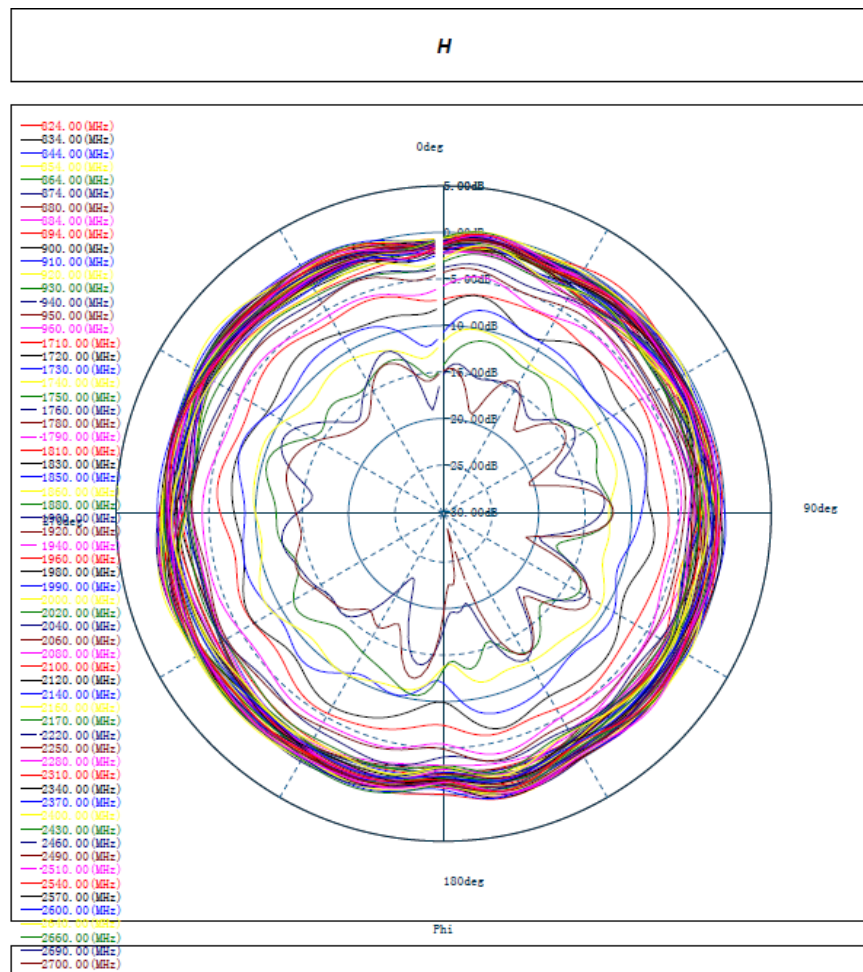


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Radiation Pattern

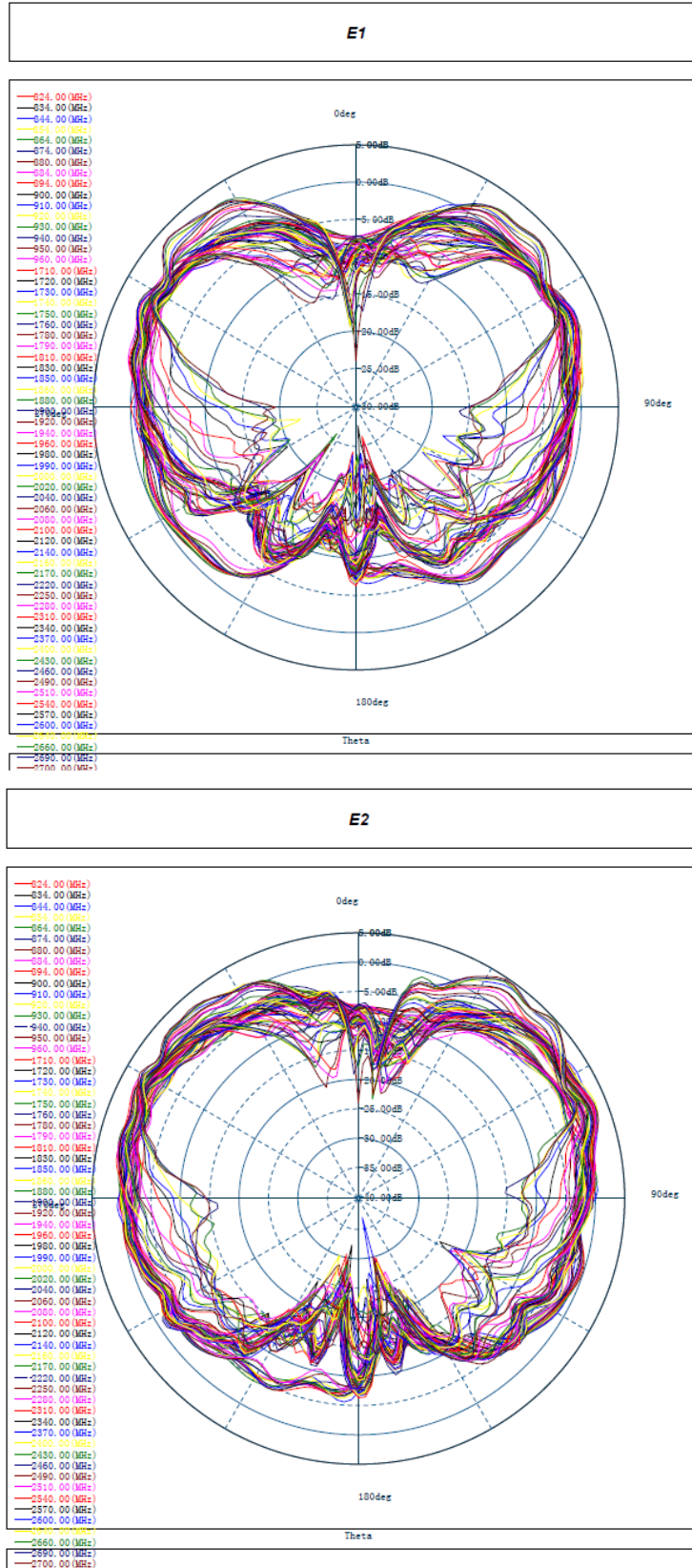


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Antenna Parameters

Frequency (Hz)	Efficiency(%)	Gain (dBi)
8.24E+08	50	0.39676
8.34E+08	54	0.652699
8.44E+08	55	0.365122
8.54E+08	55	0.363259
8.64E+08	60	0.738526
8.74E+08	55	0.605942
8.8E+08	55	0.710534
8.84E+08	54	0.688639
8.94E+08	60	1.156066
9E+08	55	0.681385
9.1E+08	52	0.397439
9.2E+08	50	0.316429
9.3E+08	50	0.557884
9.4E+08	52	0.652894
9.5E+08	46	0.393599
9.6E+08	42	0.035898
1.71E+09	50	2.089099
1.72E+09	52	2.269809
1.73E+09	50	2.214842
1.74E+09	48	2.120625
1.75E+09	48	2.184805

Frequency (Hz)	Efficiency(%)	Gain (dBi)
1.76E+09	52	2.574266
1.78E+09	48	2.214663
1.79E+09	47	2.09233
1.81E+09	54	2.522246
1.83E+09	52	2.297114
1.85E+09	56	2.823039
1.86E+09	57	2.790439
1.88E+09	56	2.719962
1.9E+09	63	3.254147
1.92E+09	59	2.906823
1.94E+09	63	3.038509
1.96E+09	59	3.174803
1.98E+09	62	3.388856
1.99E+09	64	3.242076
2E+09	63	3.148119
2.02E+09	59	3.194956
2.04E+09	61	3.232137
2.06E+09	58	3.585777

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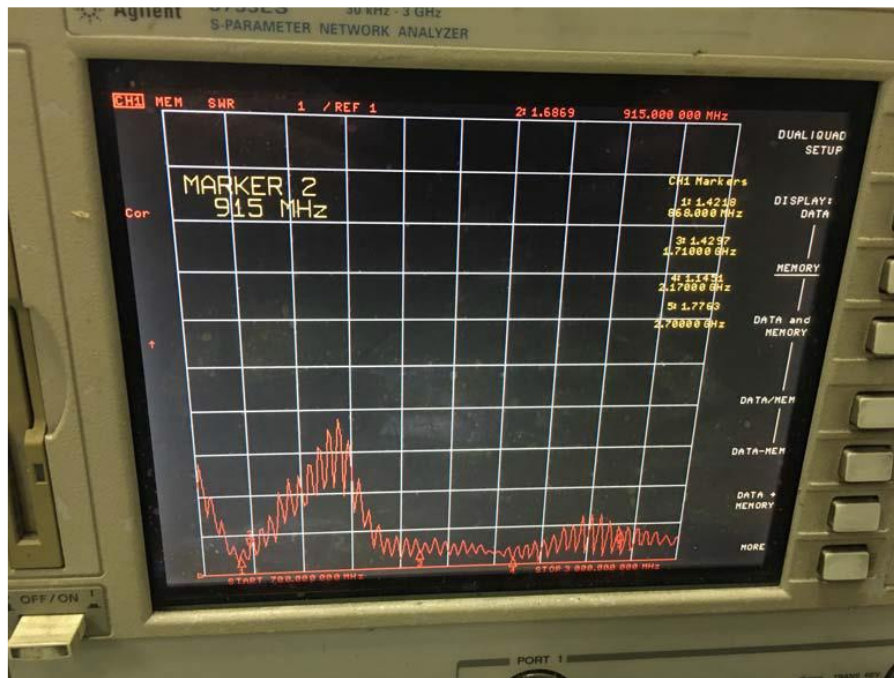


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Antenna VSWR and Smith

Ferq/Mhz	868	915	1710	2170	2700
VSWR	1.4	1.6	1.4	1.1	1.7



Smith



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Packaging

TBD

Caution:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please ensure the component is thoroughly evaluated in the application circuit.