

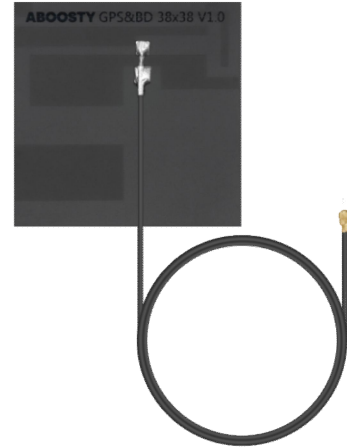
L1+B1+G1 F38x38 L100CM1 Antenna

FEATURES & BENEFITS

- Welding RG 1.13 cable, IPEX connector, 3M sticker for easy installation.
- Mounting to: non-conductive surface
- Installation type: adhesive

APPLICATIONS

- IoT Devices
- Smart Cities
- Smart Agriculture
- Consumer Tracking
- Smart Metering
- Smart Agriculture



ORDER INFORMATION

Product Name	L1+B1+G1 F38x38 L100CM1 Antenna
Part Number	AIGF002
Dimensions	38 x 38 mm
Weight	0.9 g
Color	Black
Mounting	adhesive
Antenna Cable	Default IPEX 1 RF 1.13 black coaxial cable (\varnothing 1.13 x 100 mm) , customizable.

REFERENCE GUIDE

Technical Features (MHz)	1556-1606
Max VSWR	2.0:1
Max Efficiency	57.35%
Peak Gain	-0.79dBi
Radiation Pattern	Omnidirectional
Polarization	Linear
Input Impedance	50 Ω
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Relative Humidity	10 to 70%
Material Substance Compliance	RoHS Compliant
Dimensions (L x W x H)	38 x 38mm

All test data were obtained from testing conducted on 1.4mm thick polycarbonate (PC) plastic material; with an 100-mm-long RF 1.13 cable. Application data might vary.

MyAntenna RF Technology Co., Ltd

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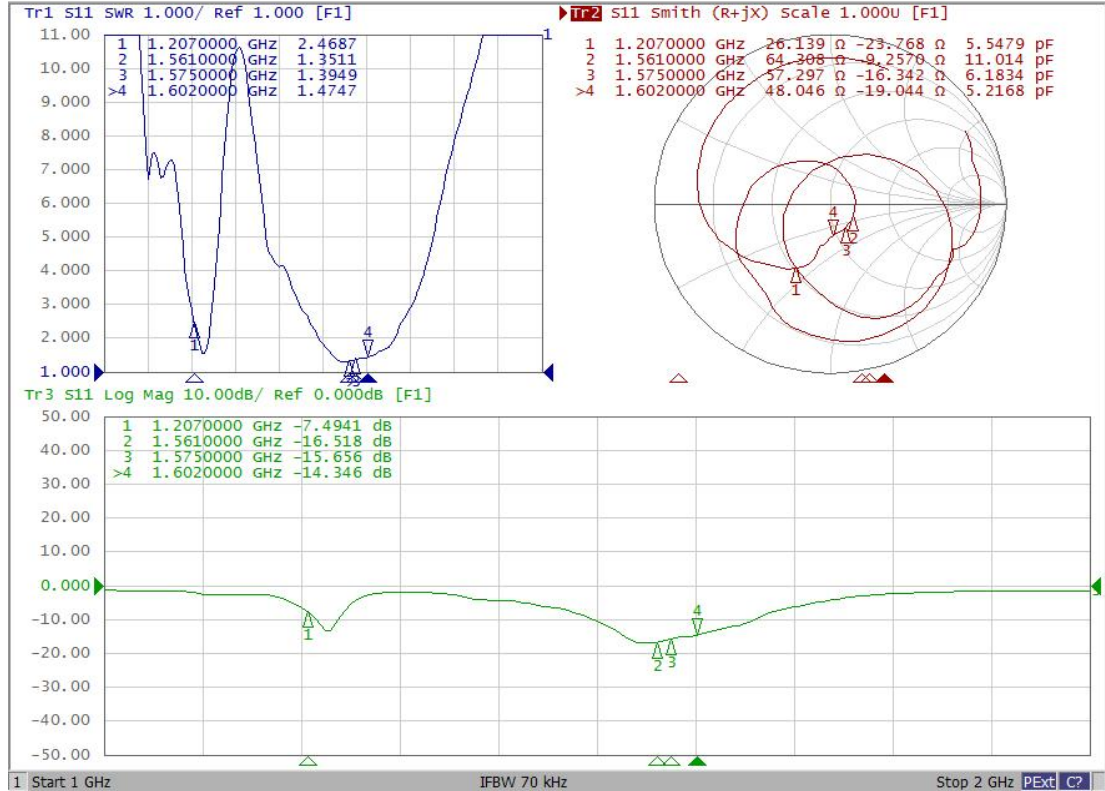
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL PERFORMANCE

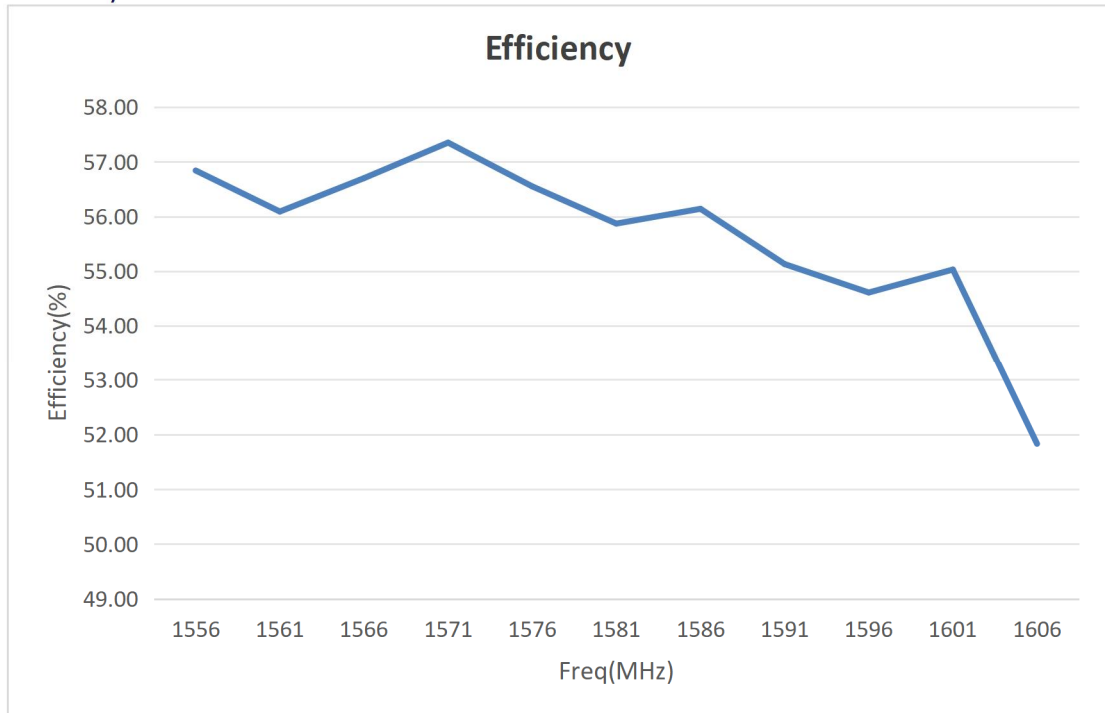
- Note

All data displayed in the "ELECTRICAL PERFORMANCE" section were measured using a 100mm-long RF 1.13 cable mounted on 1.4mm thick polycarbonate (PC) plastic material.

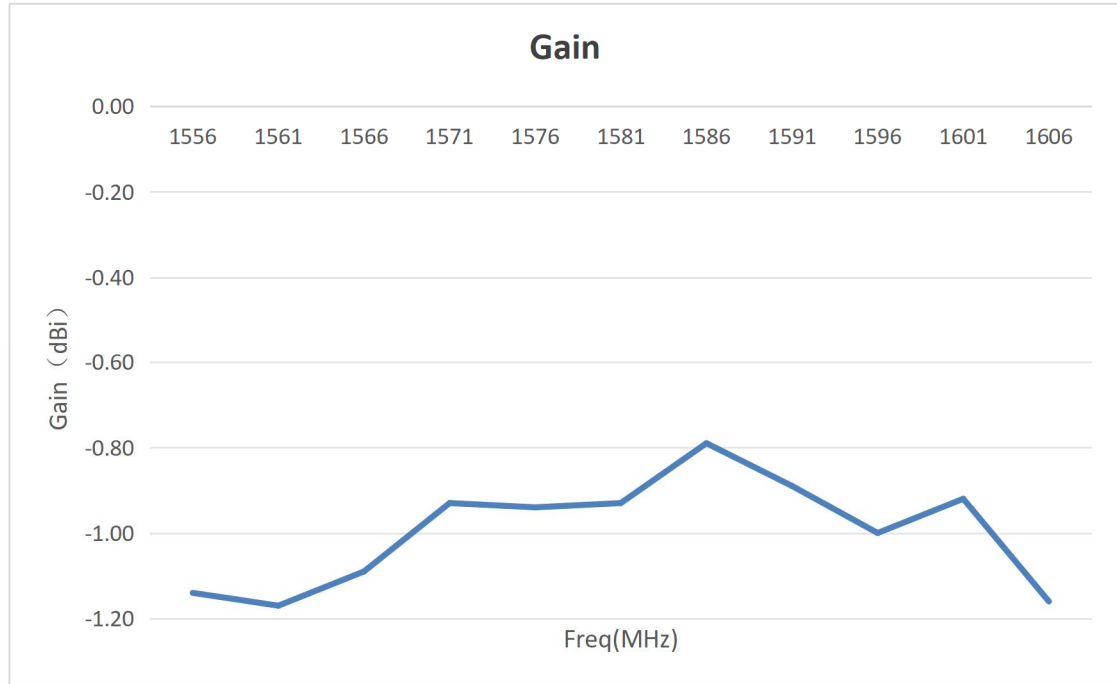
Return Loss



Efficiency (%)



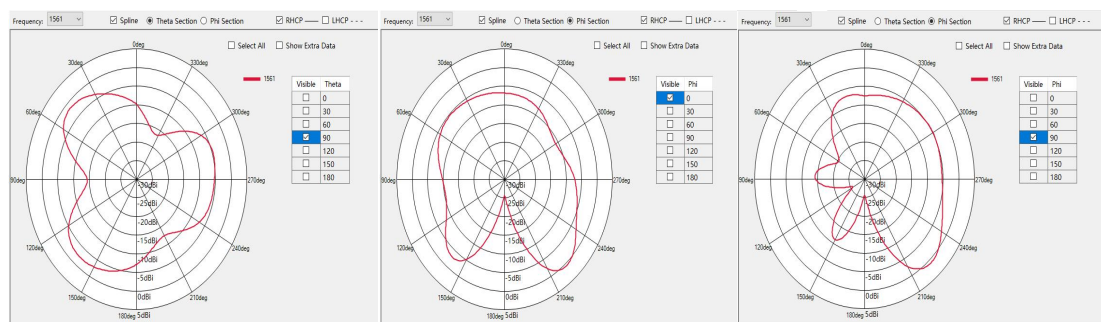
Peak Gain (dBi)



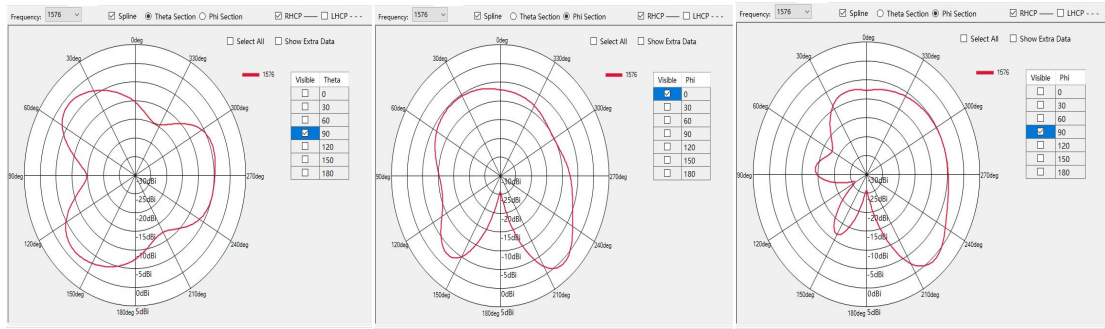
Freq(MHz)	Gain (dBi)	Efficiency(%)
1556	-1.14	56.84
1561	-1.17	56.09
1566	-1.09	56.70
1571	-0.93	57.35
1576	-0.94	56.55
1581	-0.93	55.87
1586	-0.79	56.14
1591	-0.89	55.13
1596	-1.00	54.61
1601	-0.92	55.03
1606	-1.16	51.83

RADIATION PATTERNS(The data were obtained through testing conducted using a 100-mm-long RF 1.13 cable mounted on a 1.4mm thick polycarbonate (PC) plastic substrate.)

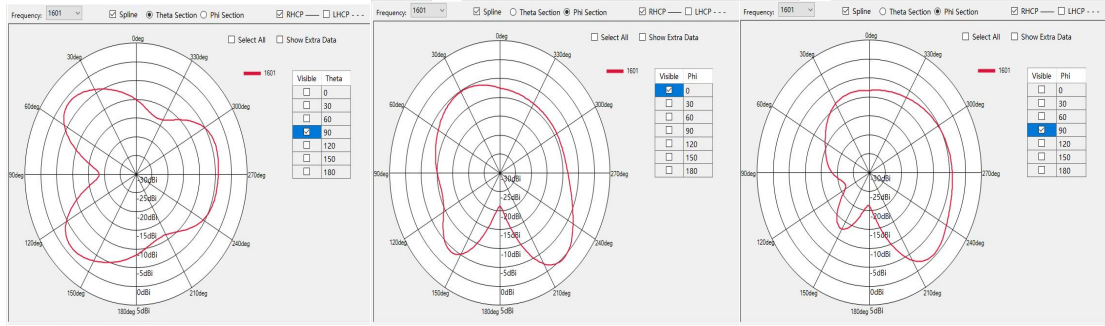
2D Radiation Pattern at 1561MHz



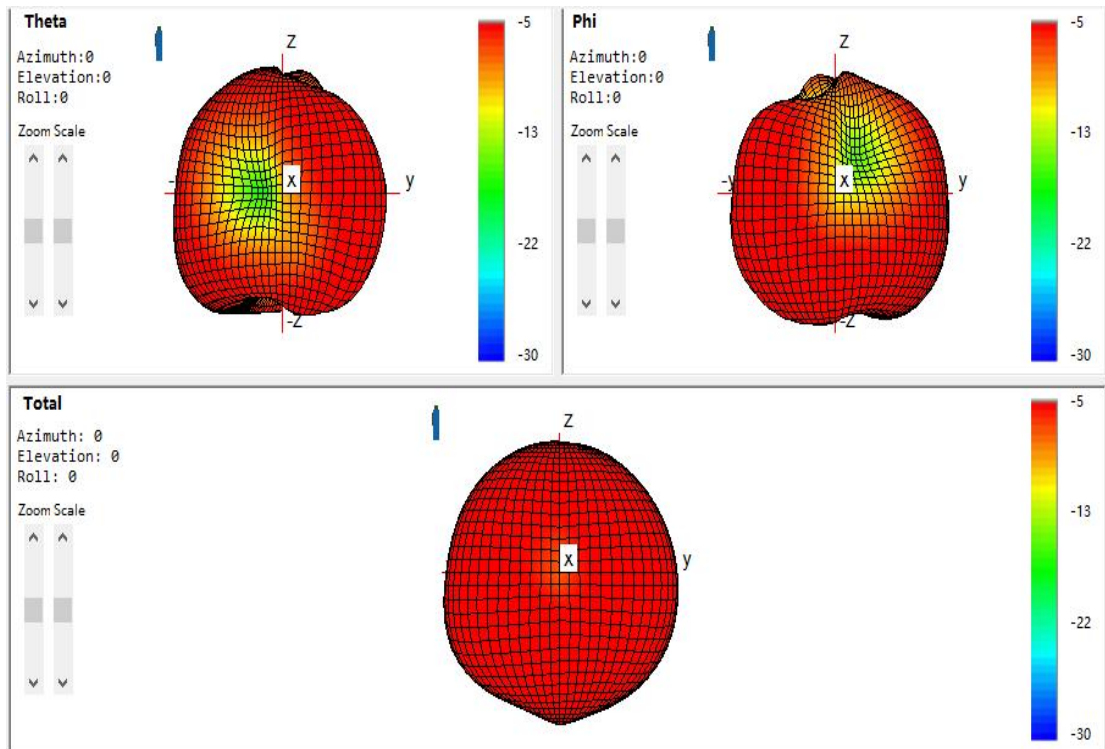
2D Radiation Pattern at 1575MHz



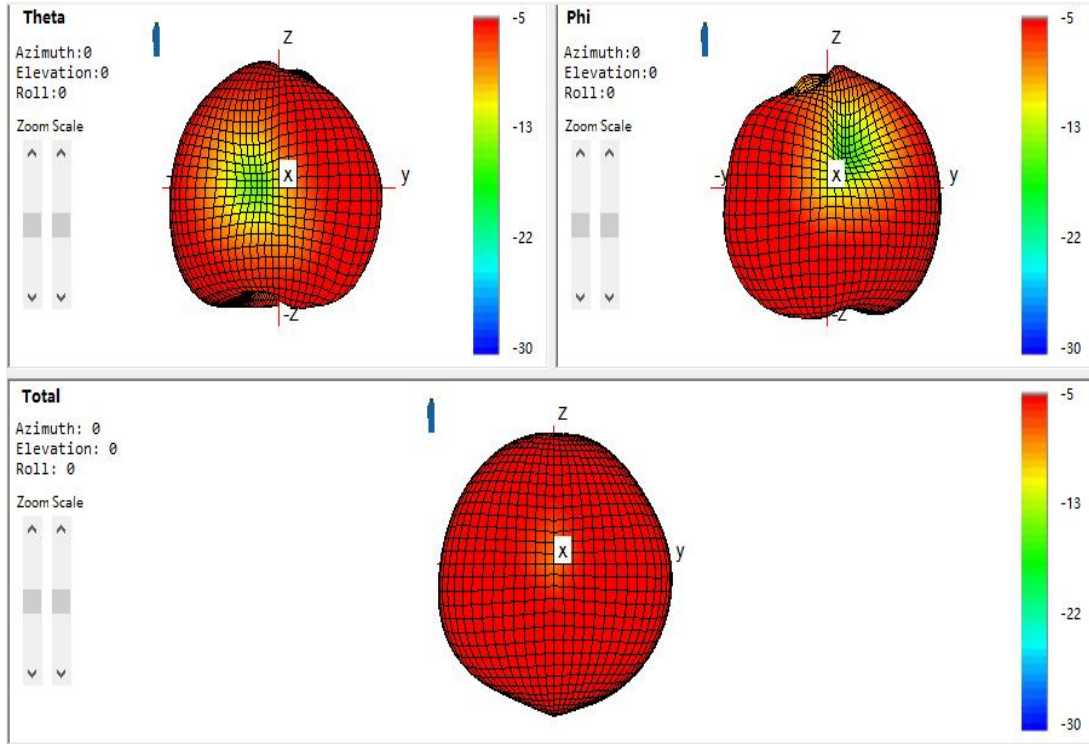
2D Radiation Pattern at 1602MHz



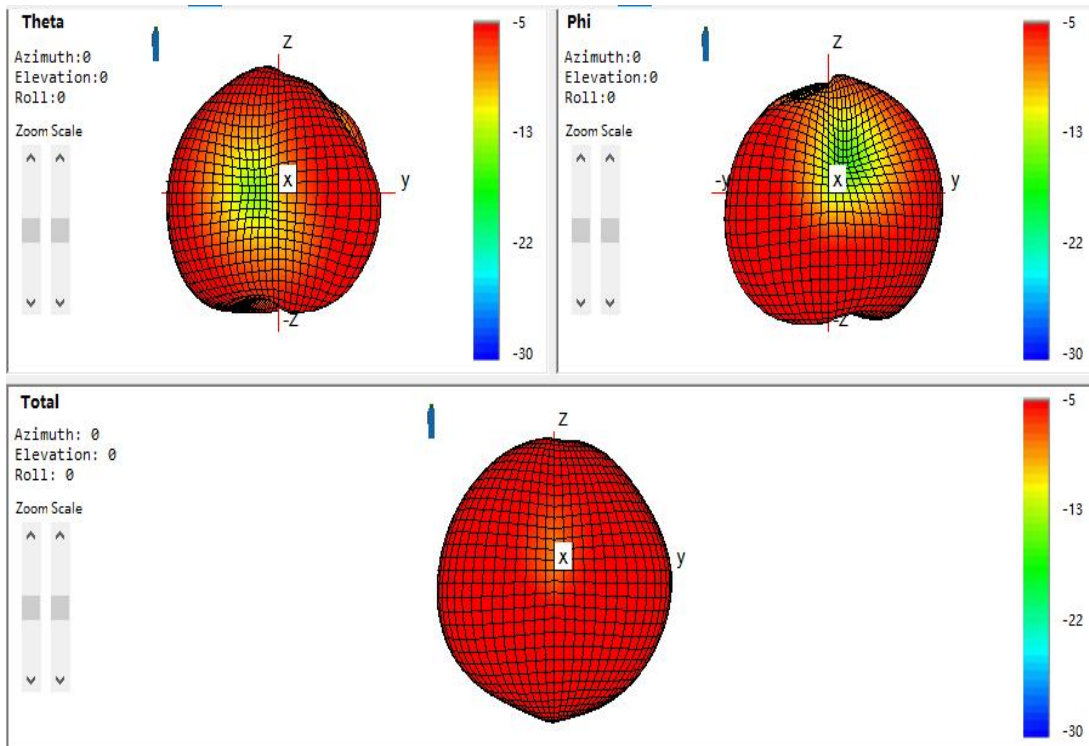
3D Radiation Pattern at 1561MHz



3D Radiation Pattern at 1575MHz



3D Radiation Pattern at 1602MHz



HOUSING CONFIGURATIONS

