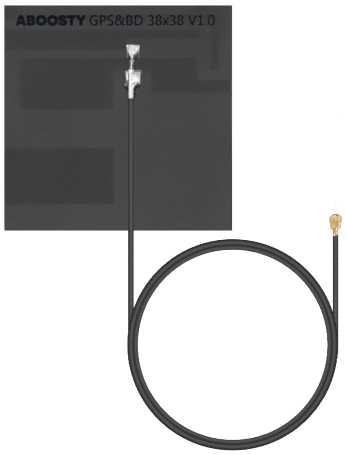
L1+B1+G1 F38x38 L100CM1 Antenna

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	M01-0300350R0A
Dimensions	38 x 38 mm
Weight	0.9 g
Color	Black
Mounting	adhesive
Antenna Cable	Default IPEX 1 RF 1.13 black coaxial cable (Ø 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	-40ºC to +85ºC
Storage Temperature	-40ºC to +85ºC
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.	

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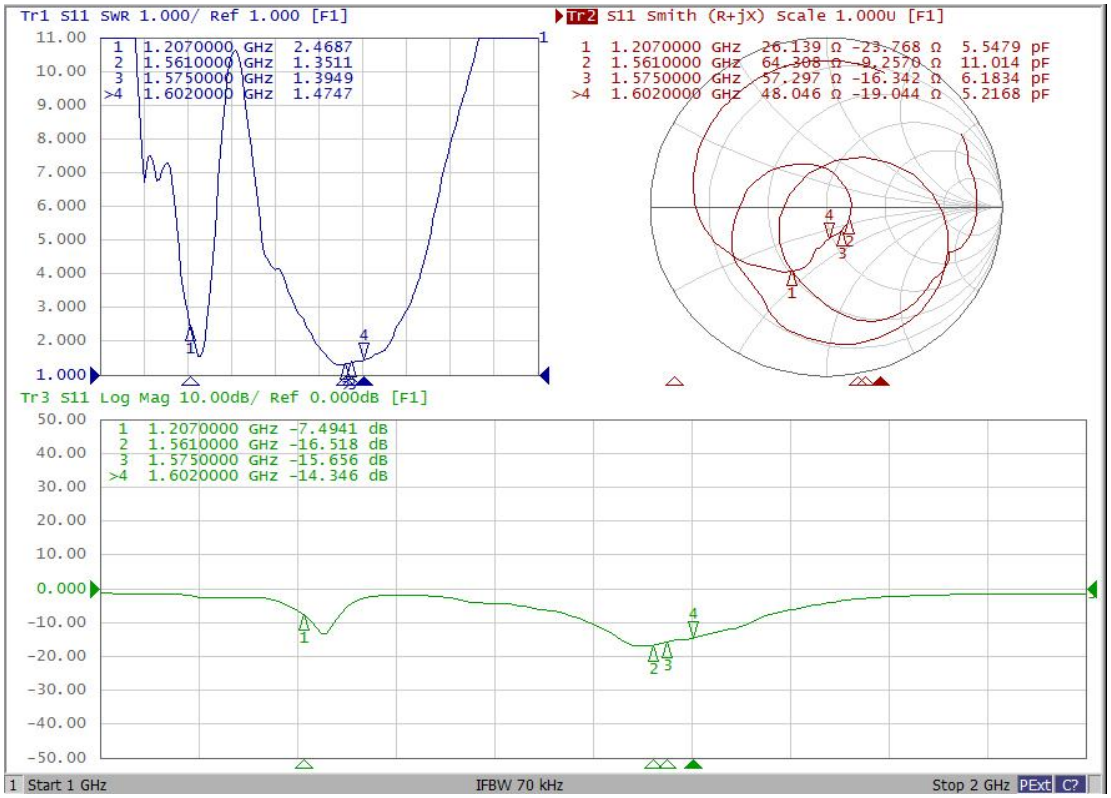
ELECTRICAL PERFORMANCE

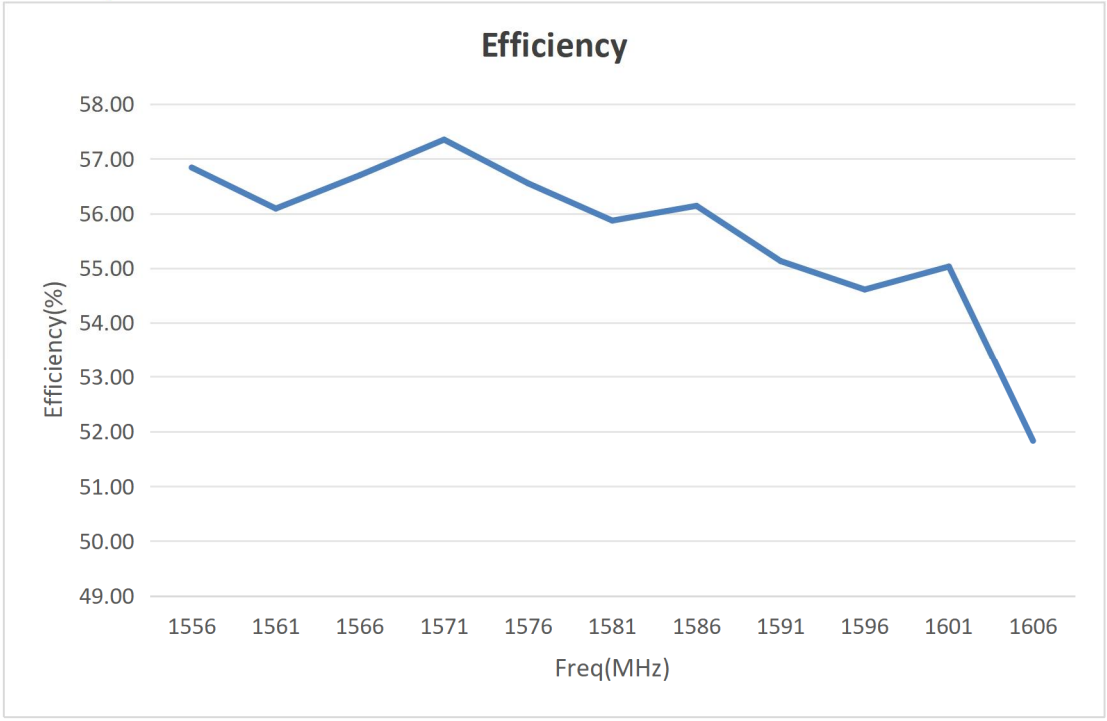
- Note

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（%）



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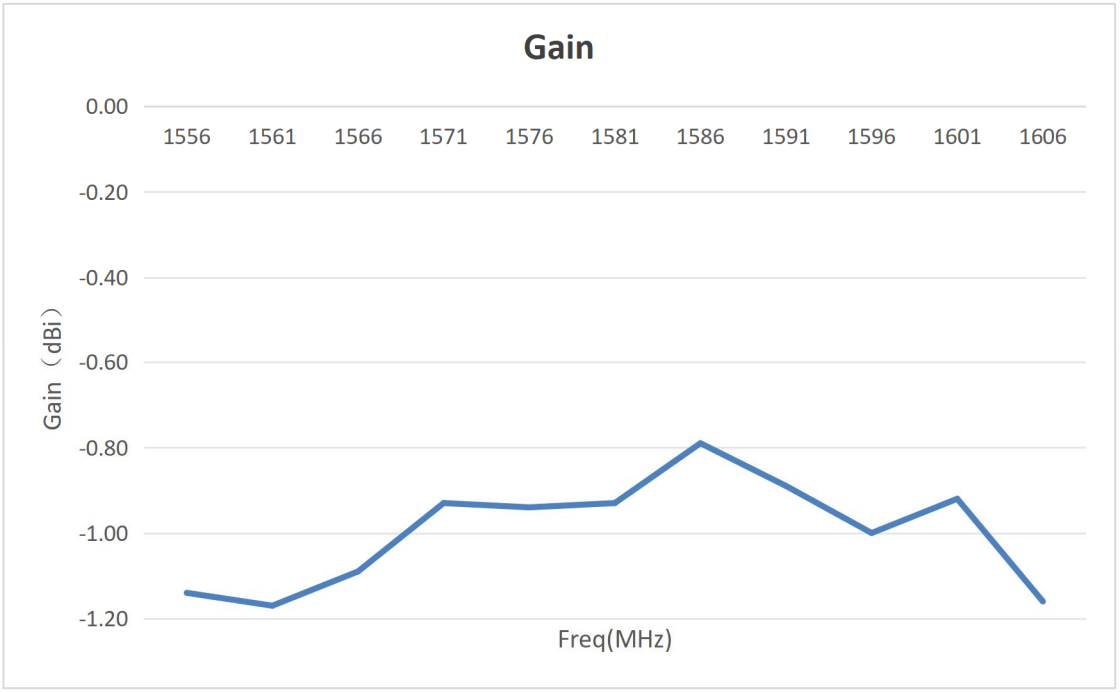
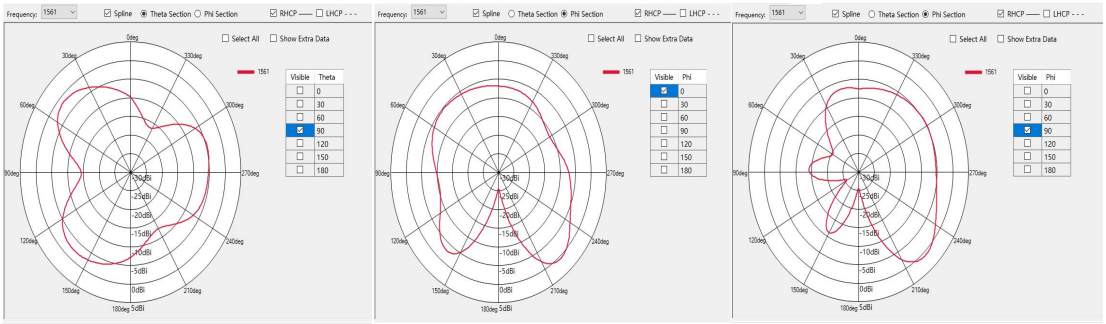
Peak Gain（dBi）



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



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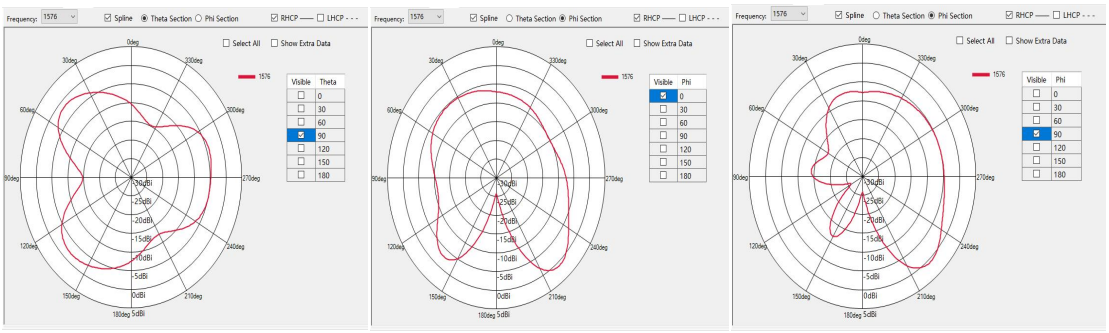
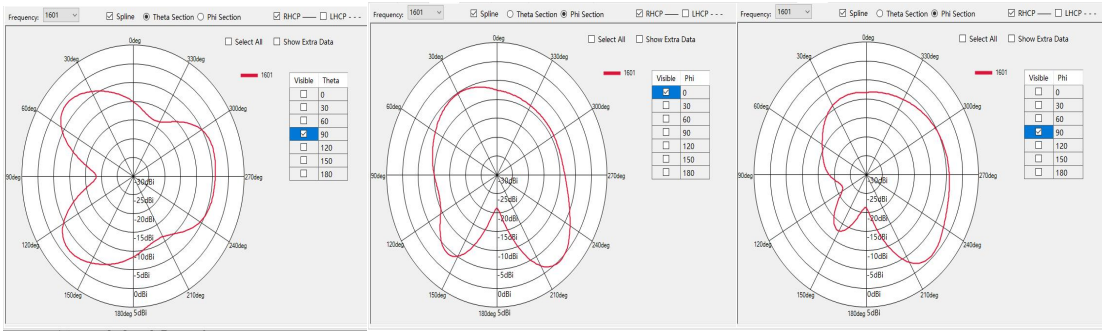
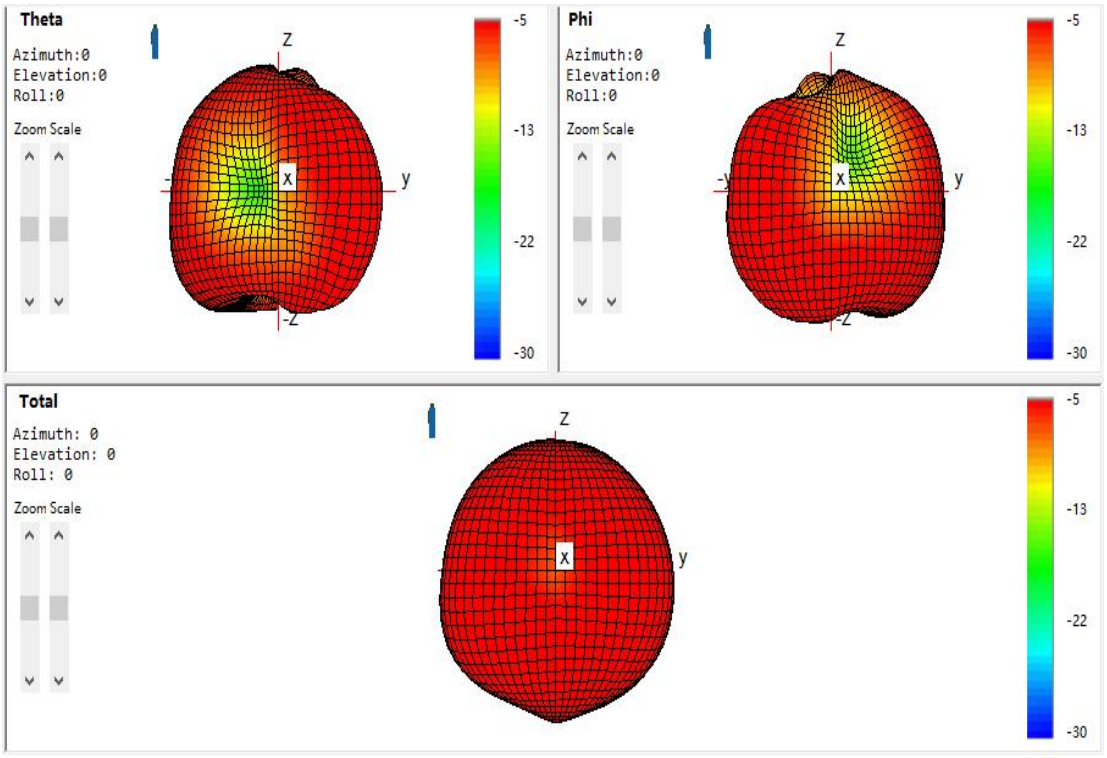
2D Radiation Pattern at 1575MHz



2D Radiation Pattern at 1602MHz



3D Radiation Pattern at 1561MHz



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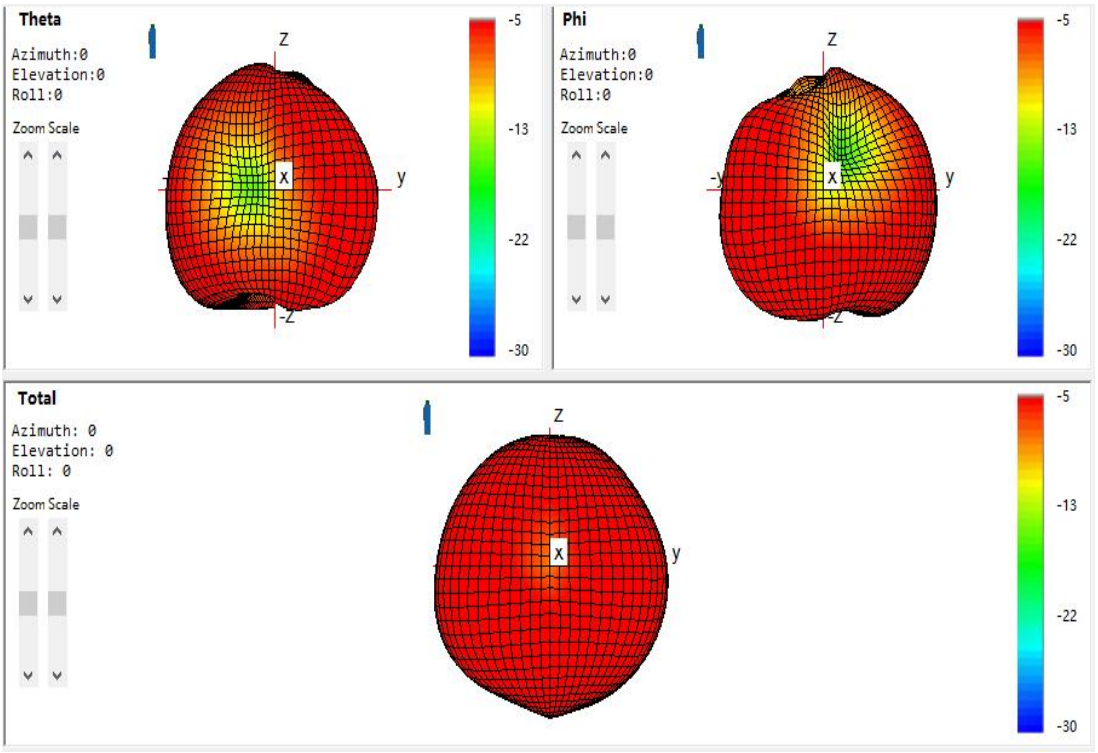
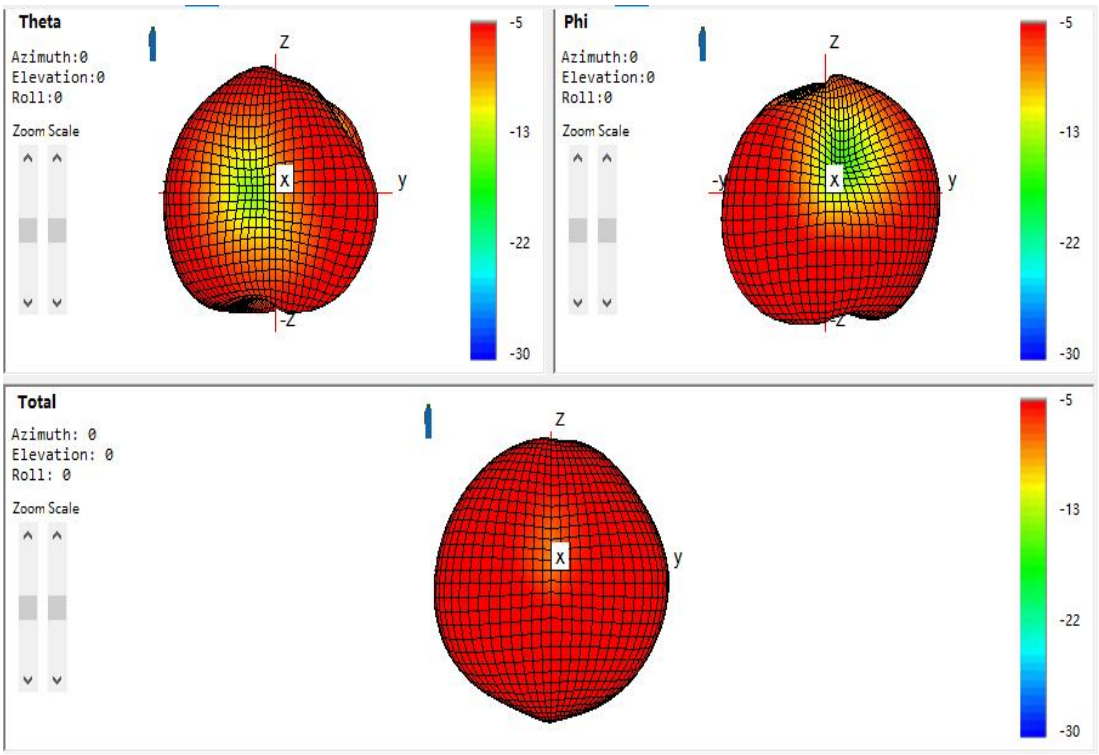
3D Radiation Pattern at 1575MHz



3D Radiation Pattern at 1602MHz



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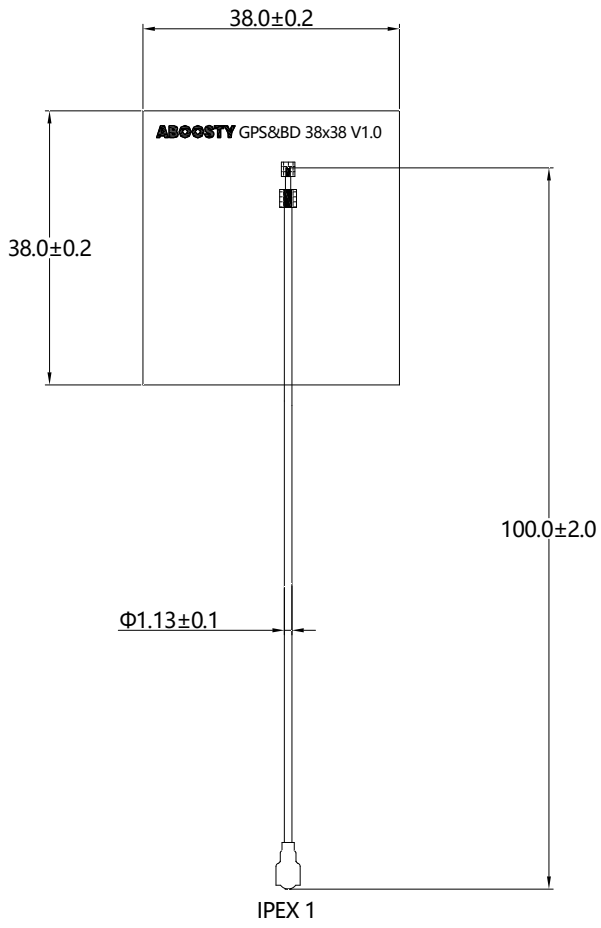
HOUSING CONFIGURATIONS



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