

860-930MHz 55.2x51.6 L45 CM1 Antenna

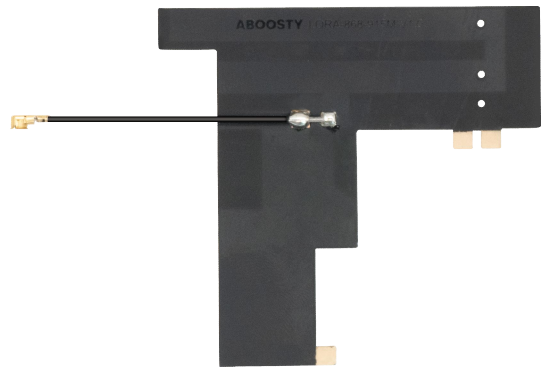
FEATURES & BENEFITS



- 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	860-930MHz 55.2x51.6 L45 CM1 Antenna
Part Number	M01-0401670R0A
Dimensions	55.2x51.6mm
Weight	0.7 g
Color	Black
Mounting	adhesive
Antenna Cable	Default IPEX 1 RF 1.13 black coaxial cable (Ø 1.13 x 45 mm) , customizable.

REFERENCE GUIDE

Technical Features (MHz)	860-930
Max VSWR	8:1
Max Efficiency	20.34%
Peak Gain	-2.19dBi
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)	55.2x51.6mm
All test data were obtained from testing conducted on 1.4mm thick polycarbonate (PC) plastic material; with an 45-mm-long RF 1.13 cable.Application data might vary.	

MyAntenna RF Technology Co., Ltd

ADD:No.RM 410, Country Garden Phoenix Wisdom Valley, No. 50 Tiezai Road, Baoan District, Shenzhen, P.R.China.

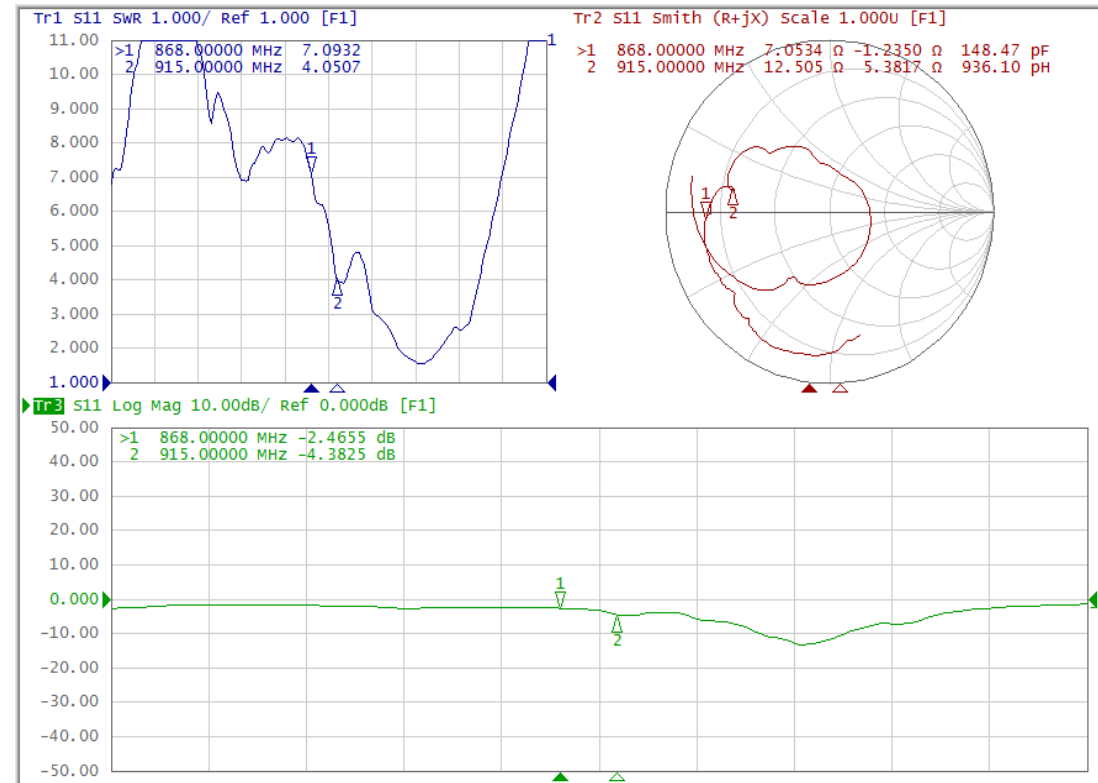
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL PERFORMANCE

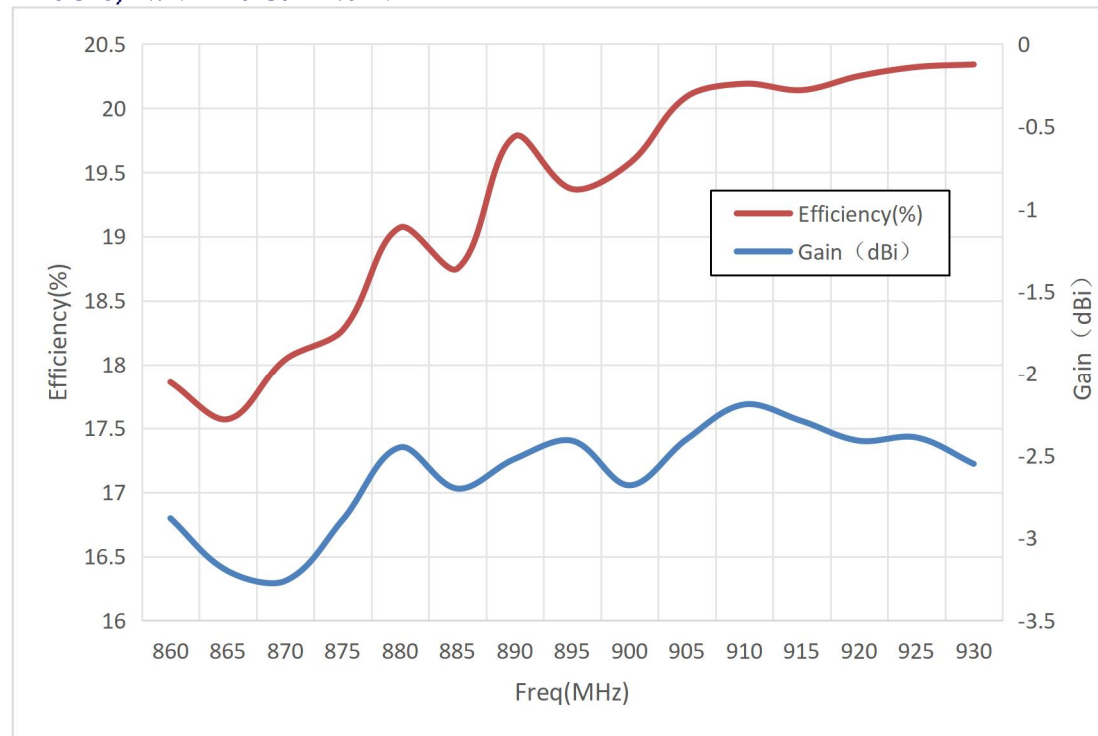
Note

All data displayed in the "ELECTRICAL PERFORMANCE" section were measured using a 45mm-long RF 1.13 cable mounted on 1.4mm thick polycarbonate (PC) plastic material.

Return Loss

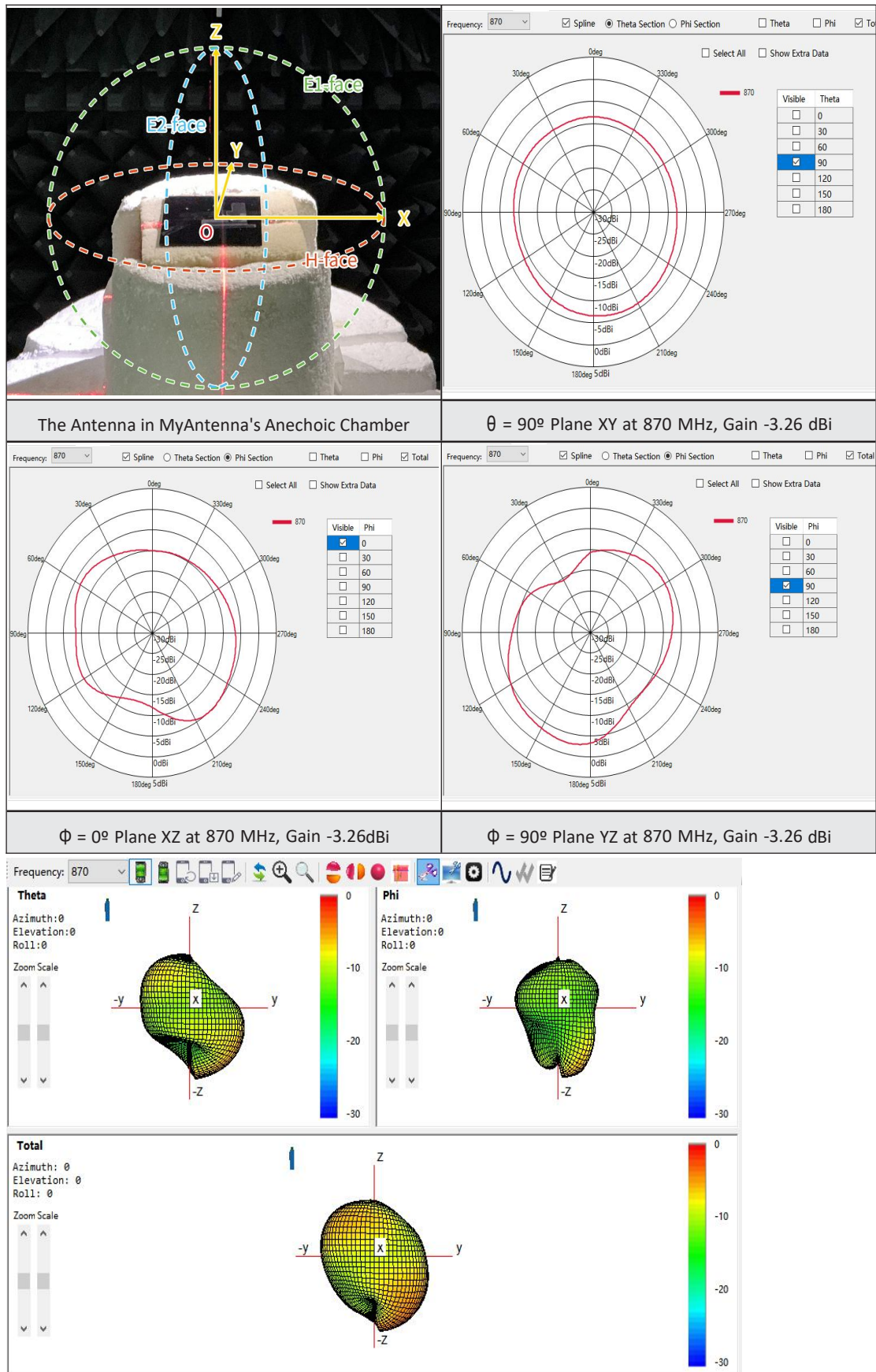


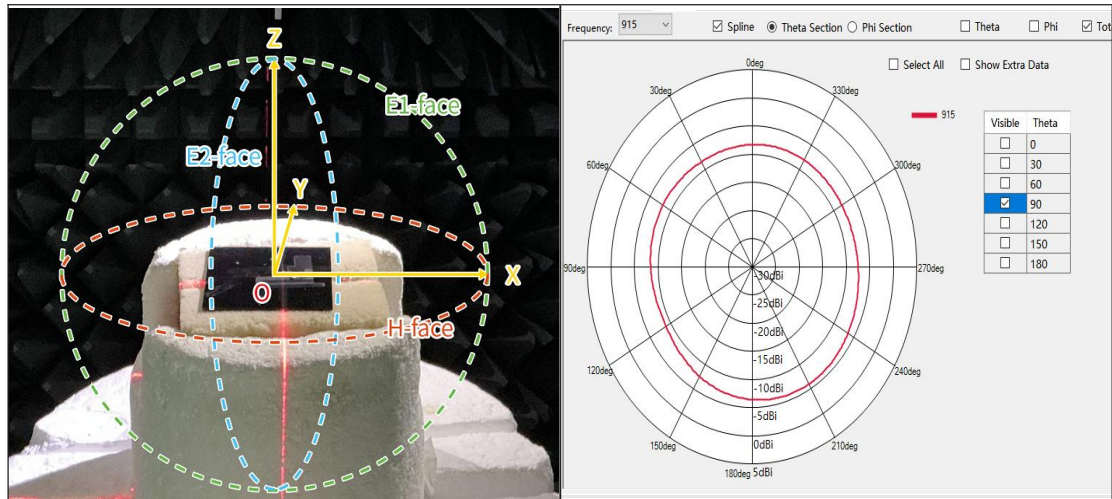
Efficiency (%) And Gain (dBi)



Freq(MHz)	Gain (dBi)	Efficiency(%)
860	-2.88	17.86
865	-3.20	17.57
870	-3.26	18.04
875	-2.89	18.27
880	-2.45	19.07
885	-2.70	18.75
890	-2.52	19.78
895	-2.41	19.37
900	-2.68	19.57
905	-2.40	20.09
910	-2.19	20.19
915	-2.29	20.14
920	-2.41	20.25
925	-2.39	20.32
930	-2.55	20.34

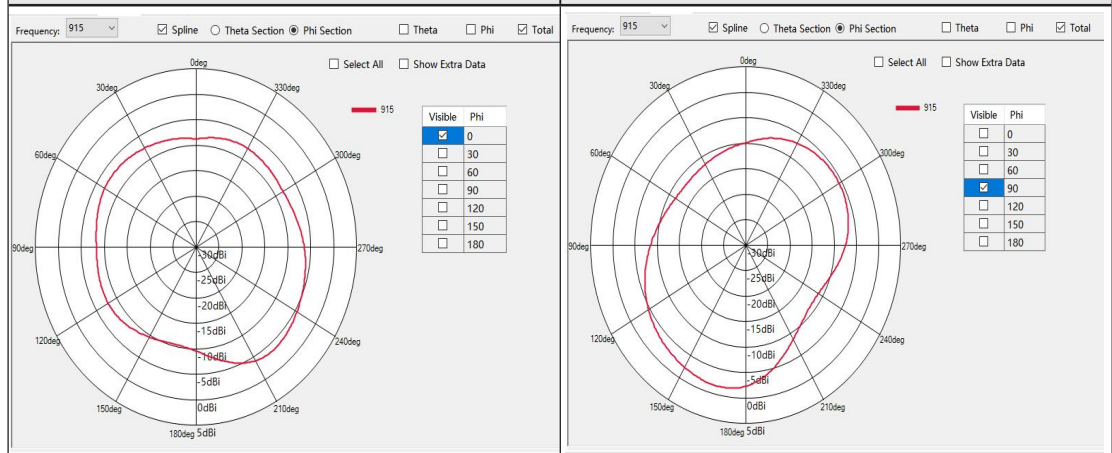
RADIATION PATTERNS





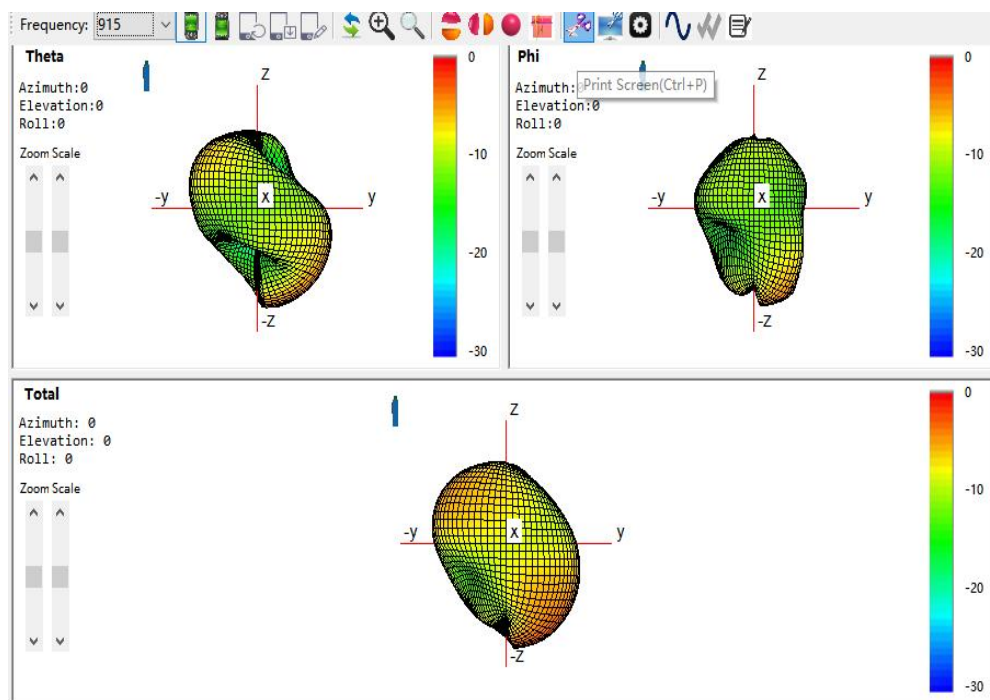
The Antenna in MyAntenna's Anechoic Chamber

$\theta = 90^\circ$ Plane XY at 915 MHz, Gain -2.29 dBi



$\phi = 0^\circ$ Plane XZ at 915 MHz, Gain -2.29 dBi

$\phi = 90^\circ$ Plane YZ at 915 MHz, Gain -2.29 dBi



HOUSING CONFIGURATIONS

