

2.4G P47x6.8 L60 CM1 Antenna

FEATURES & BENEFITS



- Welding RG 1.13 cable, IPEX1 connector
- Mounting to: non-conductive surface

APPLICATIONS

- Smartphones, tablets, laptops, and notebooks
- Smart home devices like home security systems
- Internet of Things (IoT), wearable devices, E-health devices
- Networking equipment like WiFi routers, WiFi extenders and repeaters
- Asset tracking, point of sale (POS) systems
- Automotive like V2X communication
- Smart city infrastructure like public WiFi hotspots, environmental monitoring



ORDER INFORMATION

Product Name	2.4G P47x6.8 L60 CM1 Antenna
Part Number	AIWP007
Dimensions	47x6.8x0.8mm
Weight	0.7g
Color	Black
Antenna Cable	Default IPEX1 RF 1.13 black coaxial cable ($\varnothing$ 1.13 x 60 mm) , customizable.

REFERENCE GUIDE

Technical Features (MHz)	2400-2500
Max VSWR	2.0:1
Max Efficiency	63.84%
Peak Gain	0.76dBi
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)	47x6.8x0.8mm

MyAntenna RF Technology Co., Ltd

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

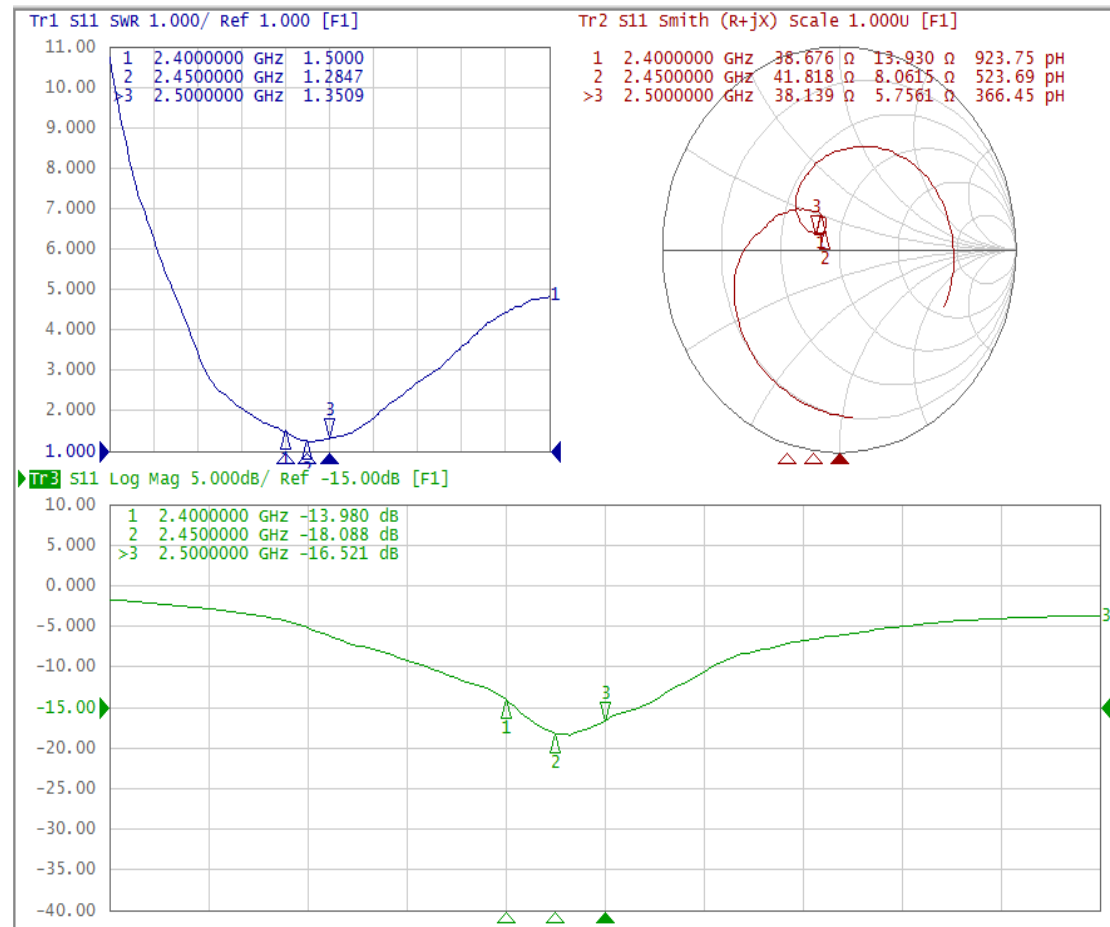
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL PERFORMANCE

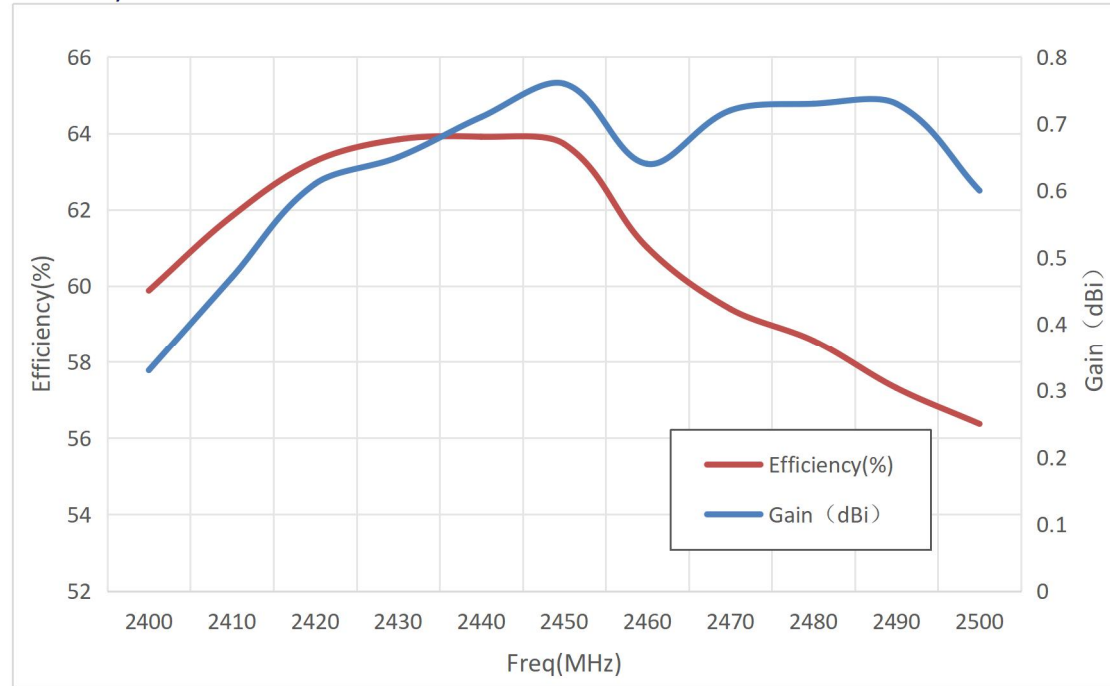
- Note

All data displayed in the "ELECTRICAL PERFORMANCE" section were measured using a 60mm-long RF 1.13 cable

Return Loss

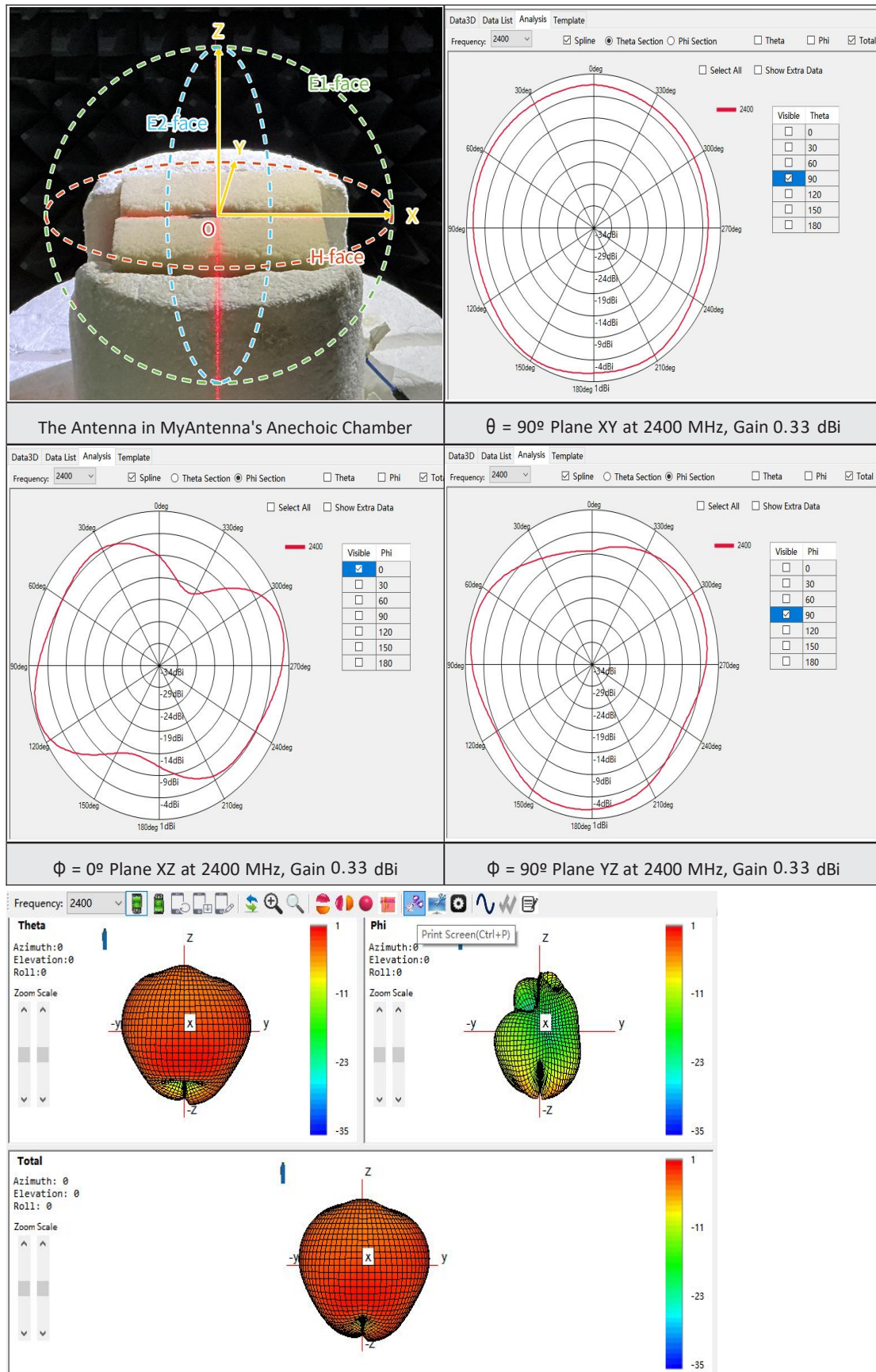


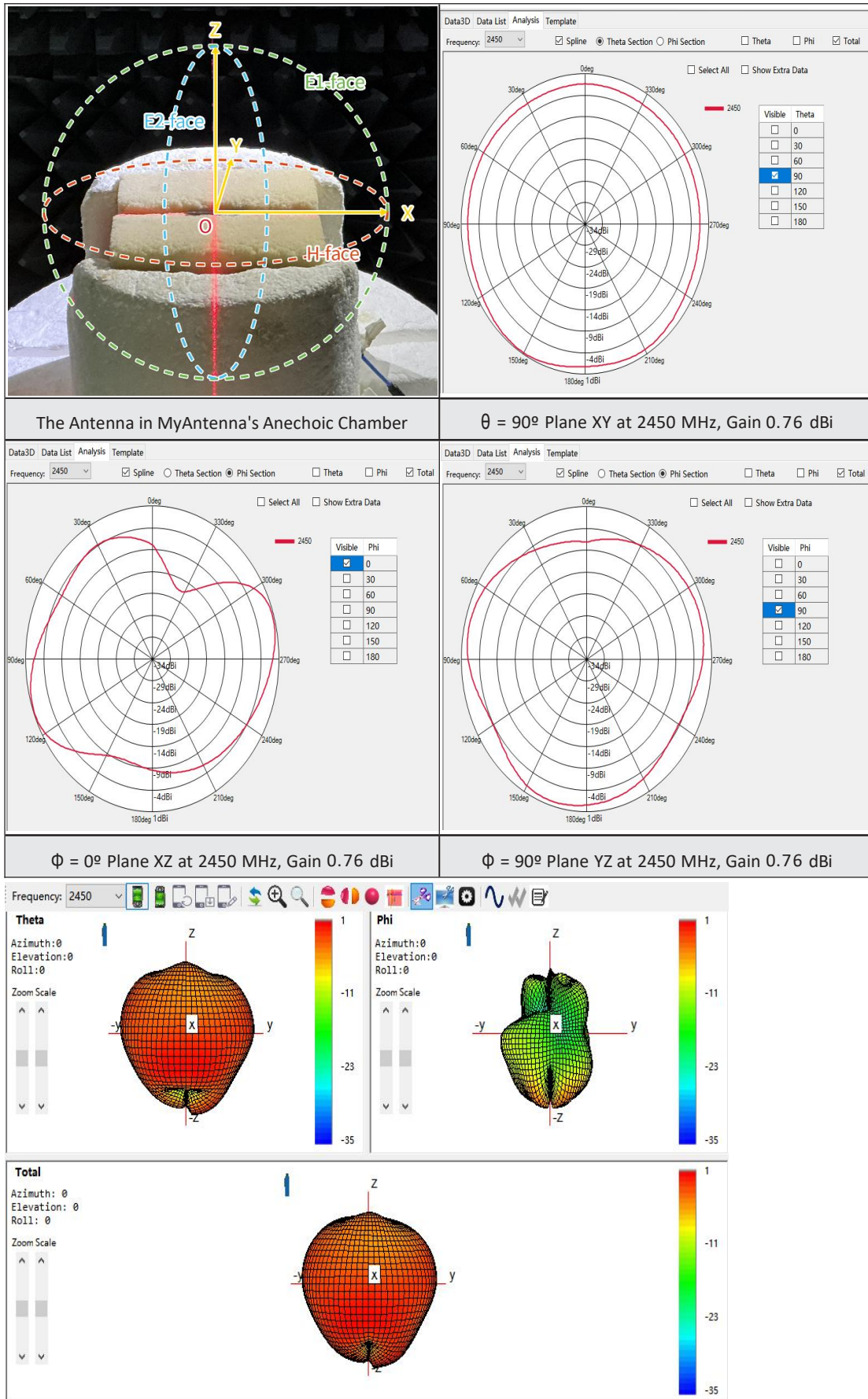
Efficiency (%) And Gain (dBi)

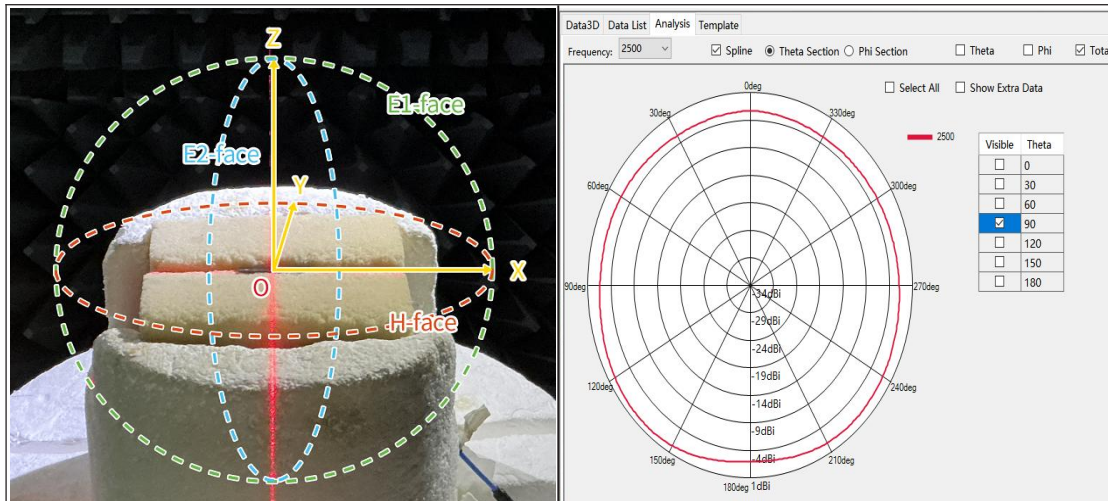


Freq(MHz)	Gain (dBi)	Efficiency(%)
2400	0.33	59.88
2410	0.47	61.83
2420	0.61	63.27
2430	0.65	63.84
2440	0.71	63.91
2450	0.76	63.72
2460	0.64	61.01
2470	0.72	59.40
2480	0.73	58.56
2490	0.73	57.31
2500	0.60	56.37

RADIATION PATTERNS

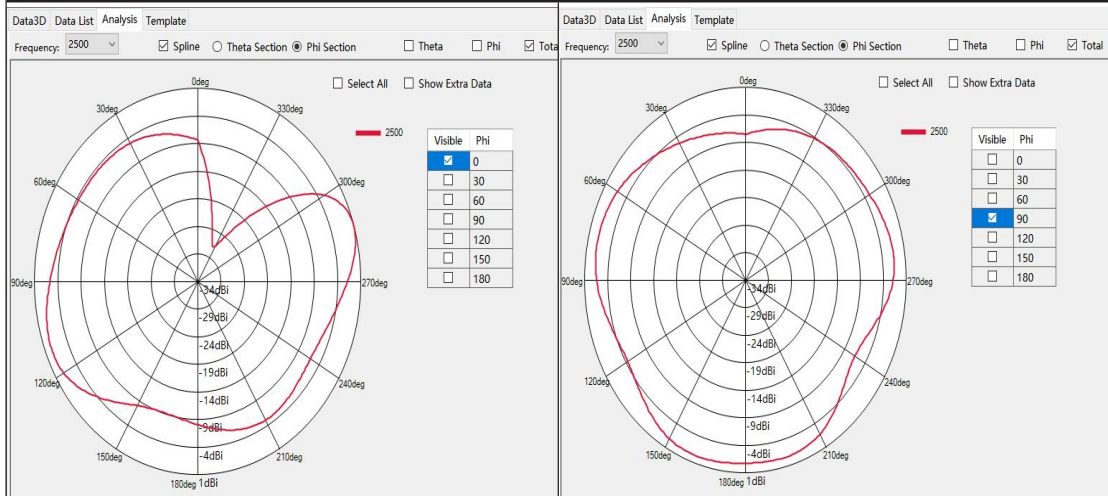






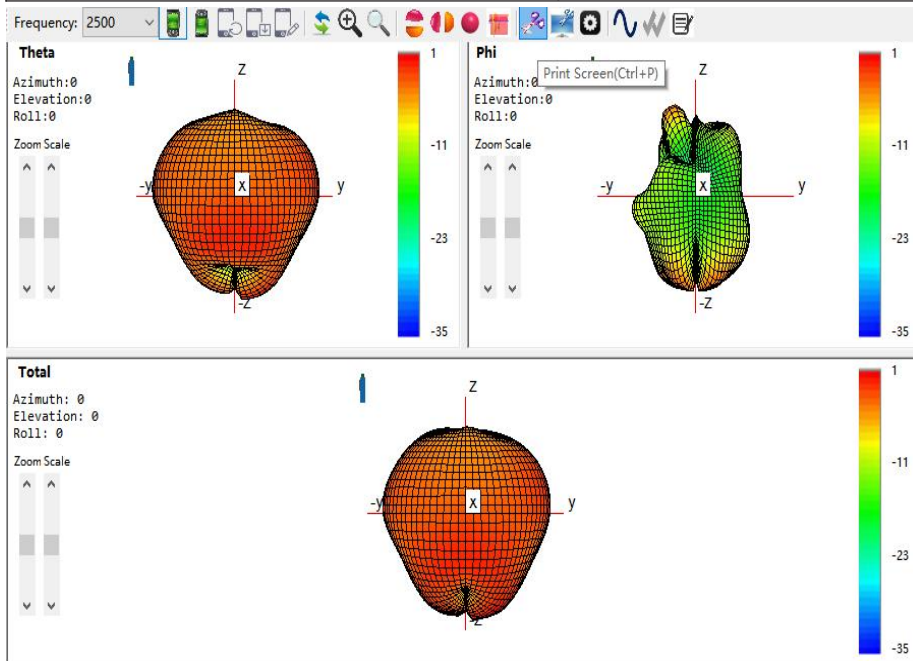
The Antenna in MyAntenna's Anechoic Chamber

$\theta = 90^\circ$ Plane XY at 2500 MHz, Gain 0.6 dBi



$\Phi = 0^\circ$ Plane XZ at 2500 MHz, Gain 0.6 dBi

$\Phi = 90^\circ$ Plane YZ at 2500 MHz, Gain 0.6 dBi



HOUSING CONFIGURATIONS

