

reTerminal E1005 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	reTerminal E1004 Antenna
Part Number	M01-0602480ROA
Dimensions	49.5x4.3x0.47mm
Weight	
Color	Black
Mounting	adhesive
Antenna Cable	Default IPEX 4 RF 0.81 black coaxial cable (Ø 0.81 x 38 mm) , customizable.

REFERENCE GUIDE

Technical Features (MHz)	2400-2500
Max VSWR	2.0:1
Max Efficiency	36.27%
Peak Gain	-1.14dBi
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)	26.62x18.25mm

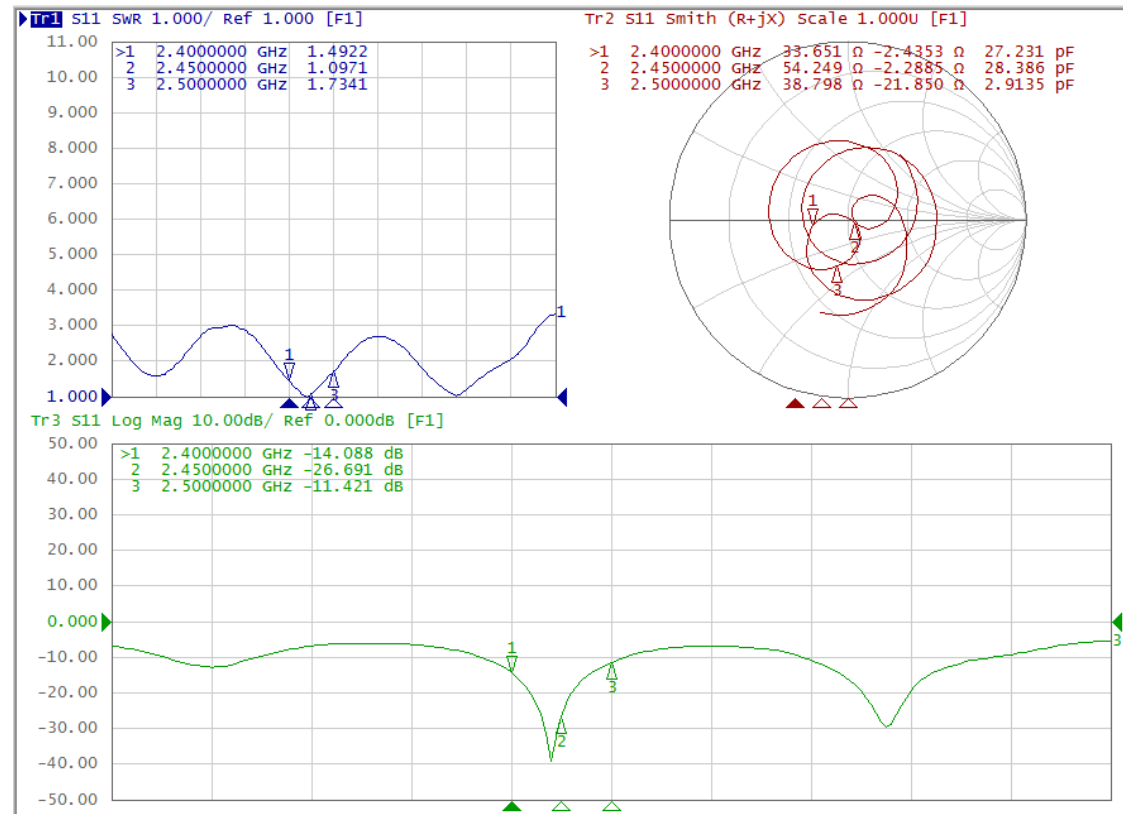
MyAntenna RF Technology Co., Ltd

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

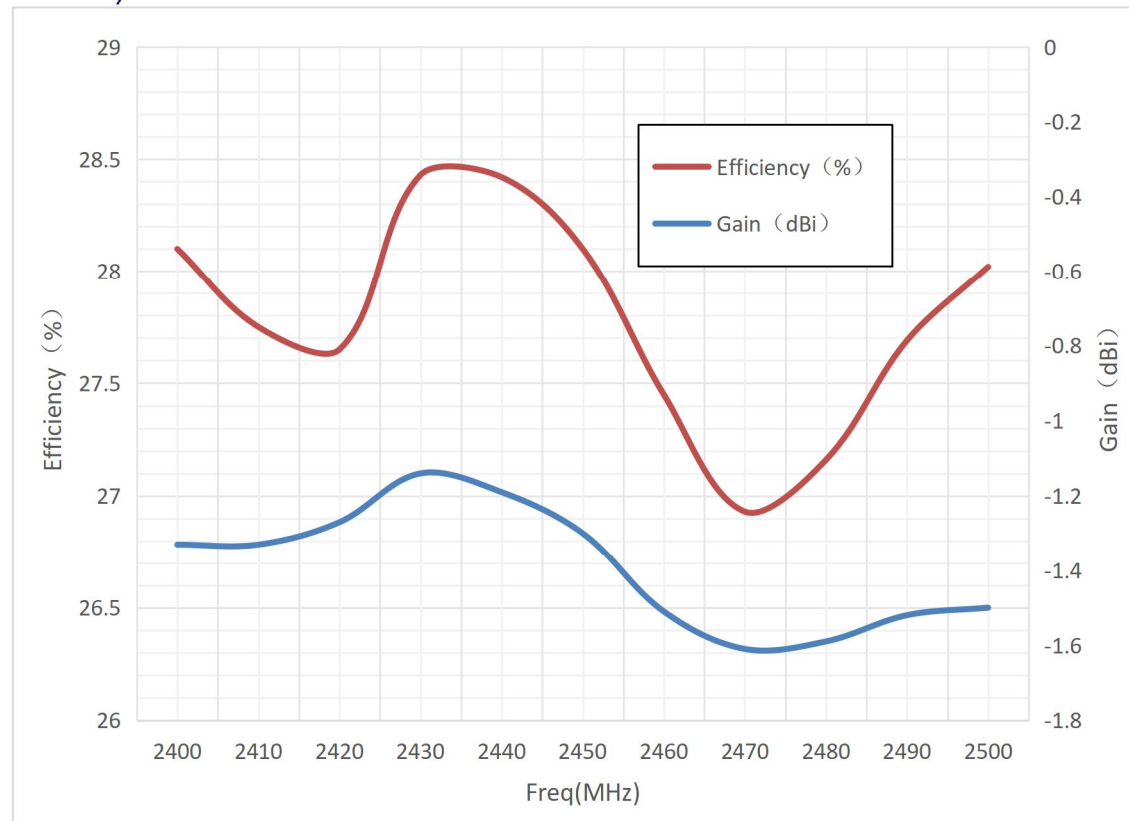
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL PERFORMANCE

Return Loss



Efficiency (%) And Gain (dBi)

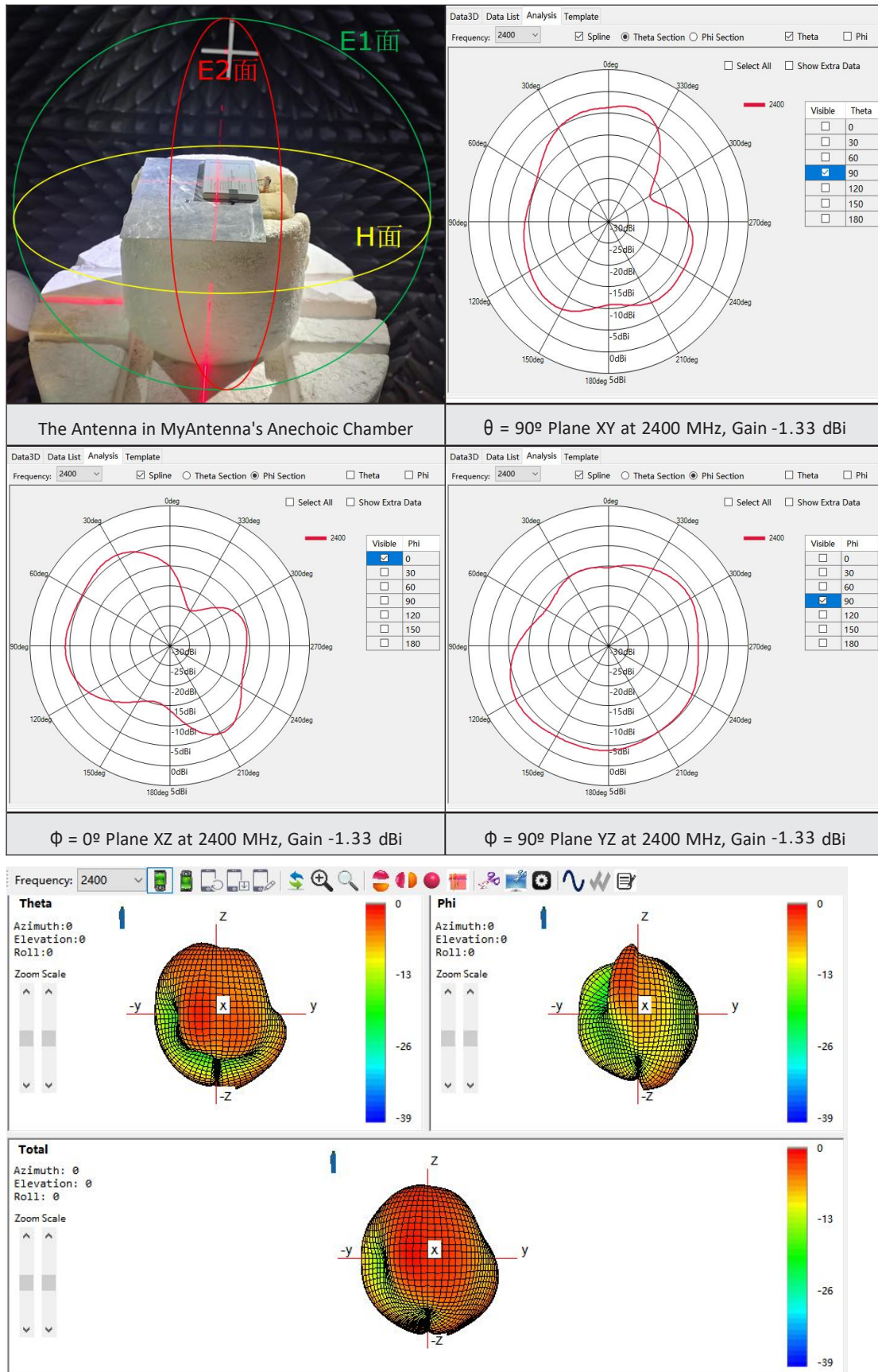


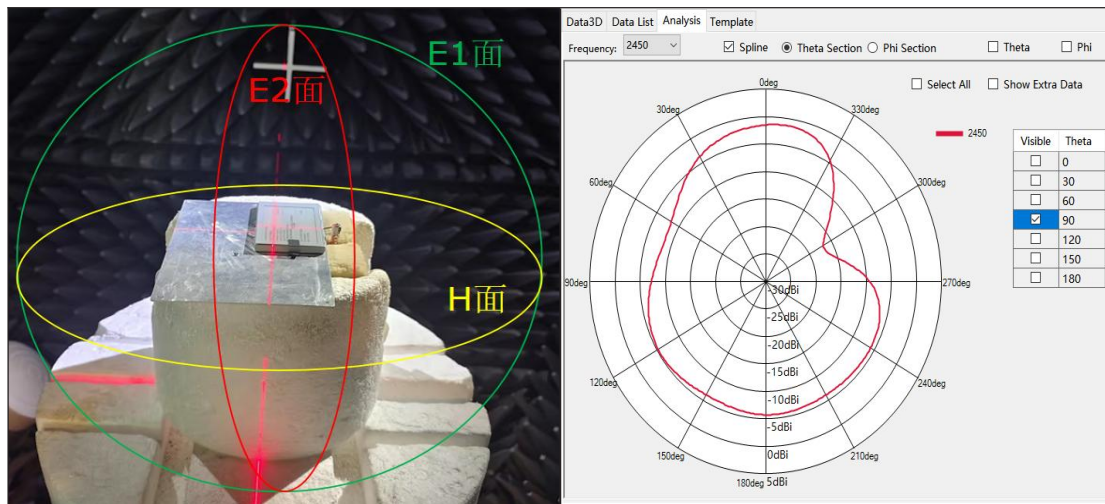
Freq(MHz)	Gain (dBi)	Efficiency (%)
2400	-1.33	28.1
2410	-1.33	27.75
2420	-1.27	27.65
2430	-1.14	28.43
2440	-1.19	28.42
2450	-1.3	28.1
2460	-1.51	27.45
2470	-1.61	26.93
2480	-1.59	27.16
2490	-1.52	27.69
2500	-1.5	28.02

Antenna Mounting Diagram



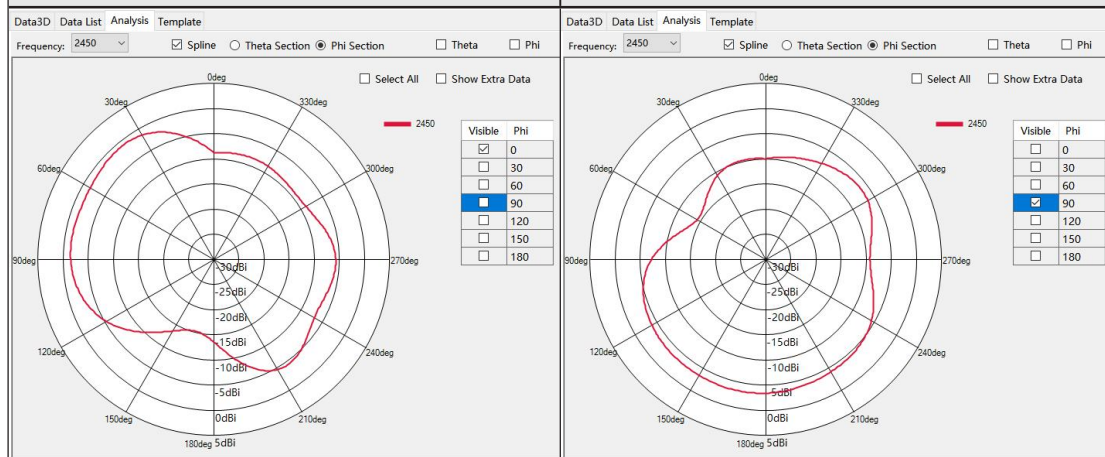
RADIATION PATTERNS





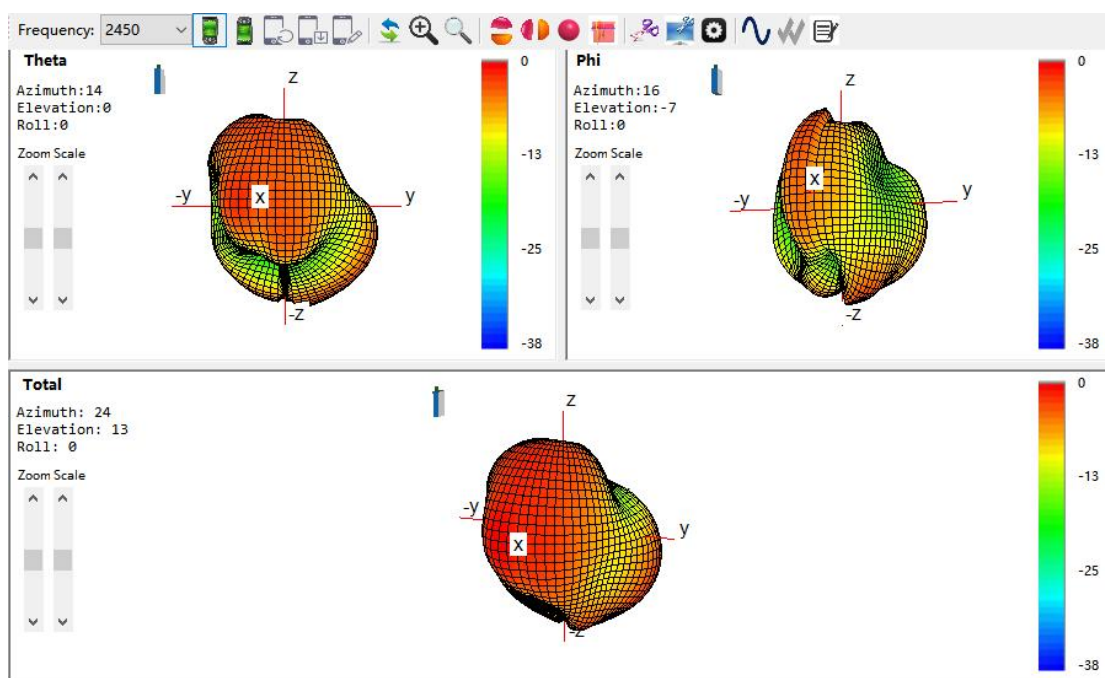
The Antenna in MyAntenna's Anechoic Chamber

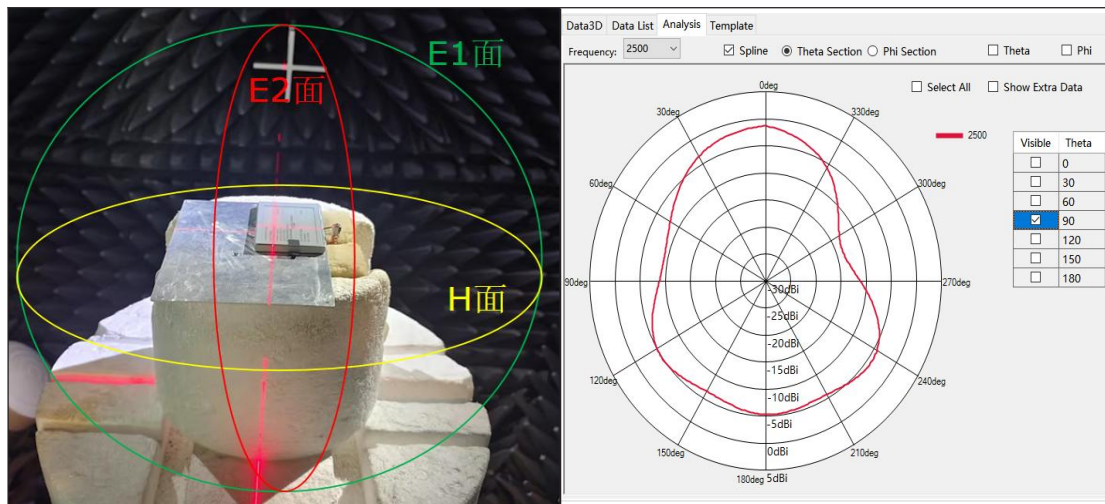
$\theta = 90^\circ$ Plane XY at 2450 MHz, Gain -1.30 dBi



$\Phi = 0^\circ$ Plane XZ at 2450 MHz, Gain -1.30 dBi

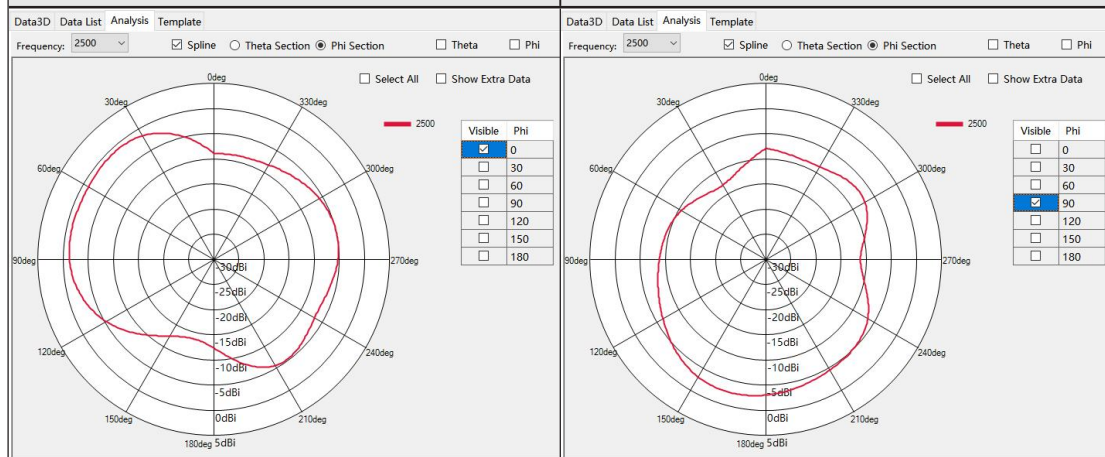
$\Phi = 90^\circ$ Plane YZ at 2450 MHz, Gain -1.30 dBi





The Antenna in MyAntenna's Anechoic Chamber

$\theta = 90^\circ$ Plane XY at 2500 MHz, Gain -1.5 dBi



$\phi = 0^\circ$ Plane XZ at 2500 MHz, Gain -1.5 dBi

$\phi = 90^\circ$ Plane YZ at 2500 MHz, Gain -1.5 dBi

