

reTerminal E1001 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 E1001 Antenna
Part Number	M01-0602030R0A
Dimensions	26.7 x 20.5mm
Weight	0.5g
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)	2400-2500
Max VSWR	2.5:1
Max Efficiency	48.18%
Peak Gain	2.39dBi
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)	26.7 x 20.5mm

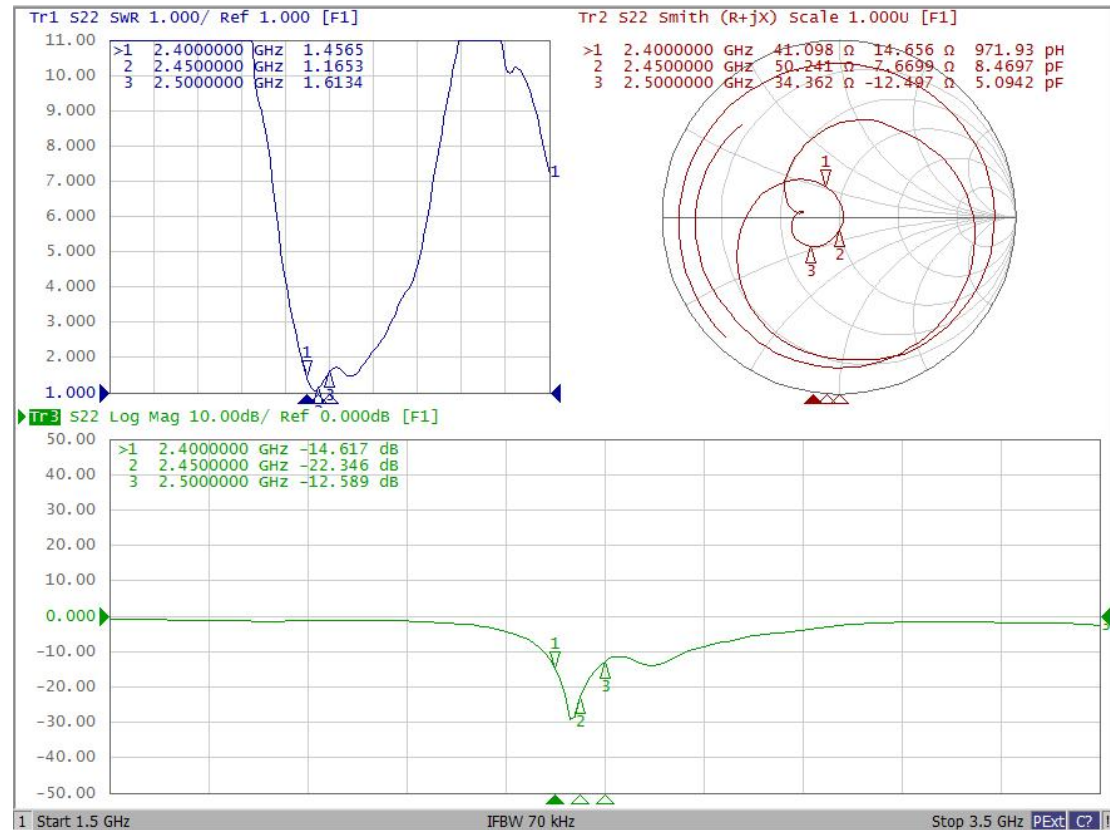
MyAntenna RF Technology Co., Ltd

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

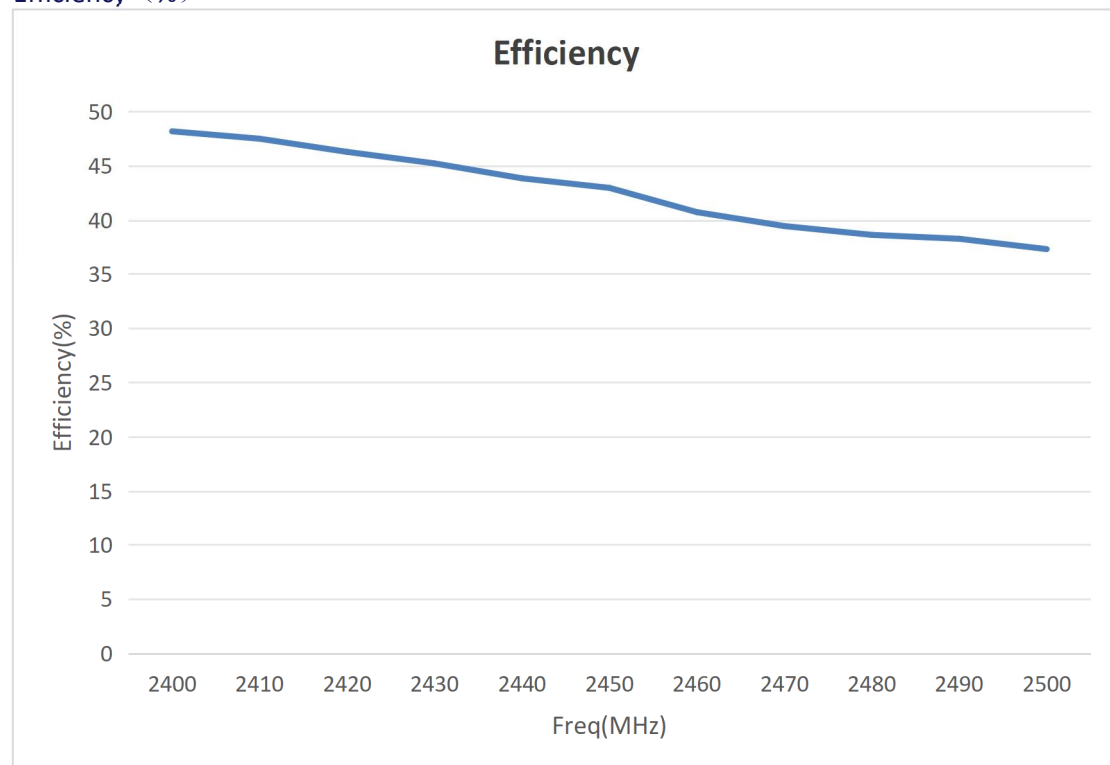
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL PERFORMANCE

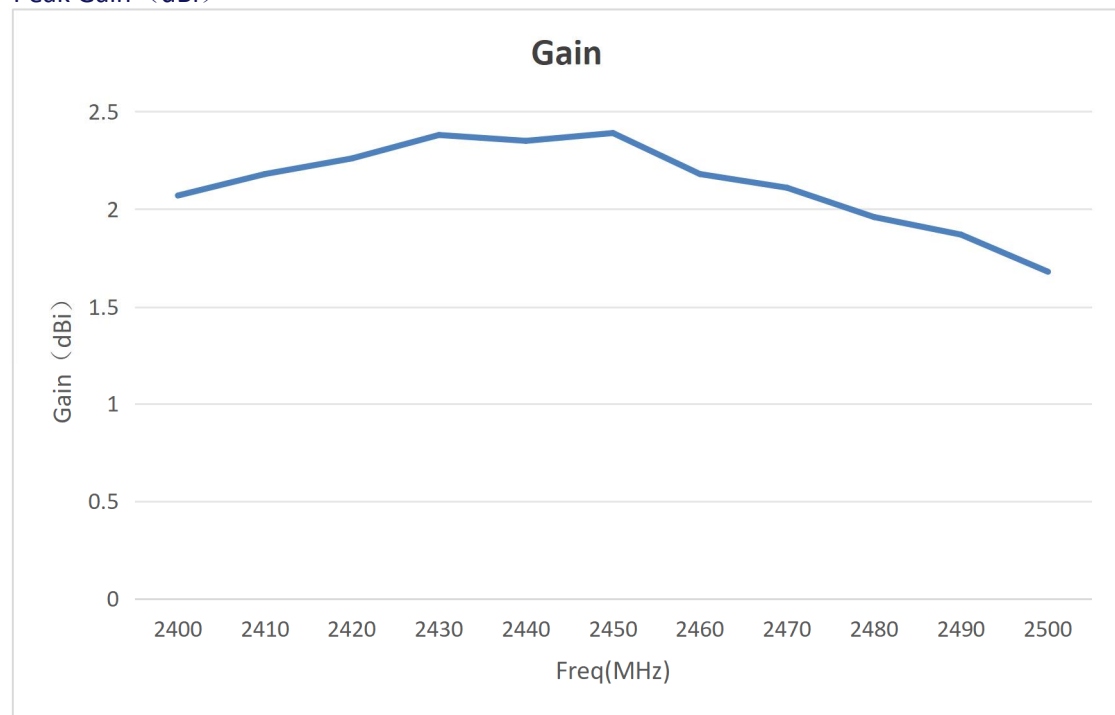
Return Loss



Efficiency (%)

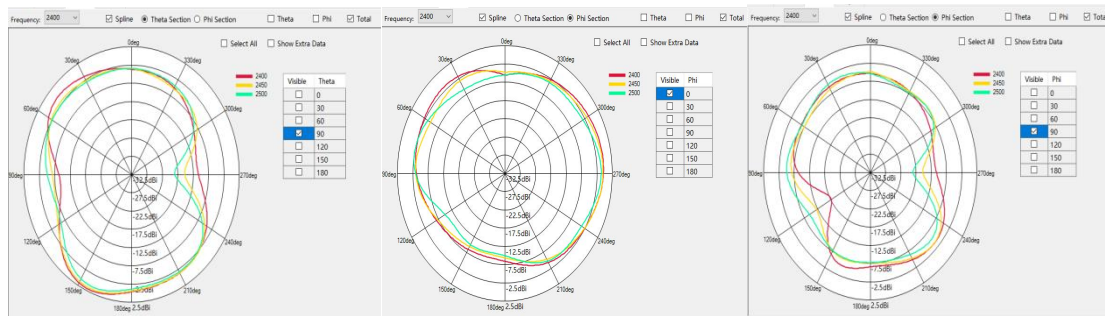


Peak Gain (dBi)

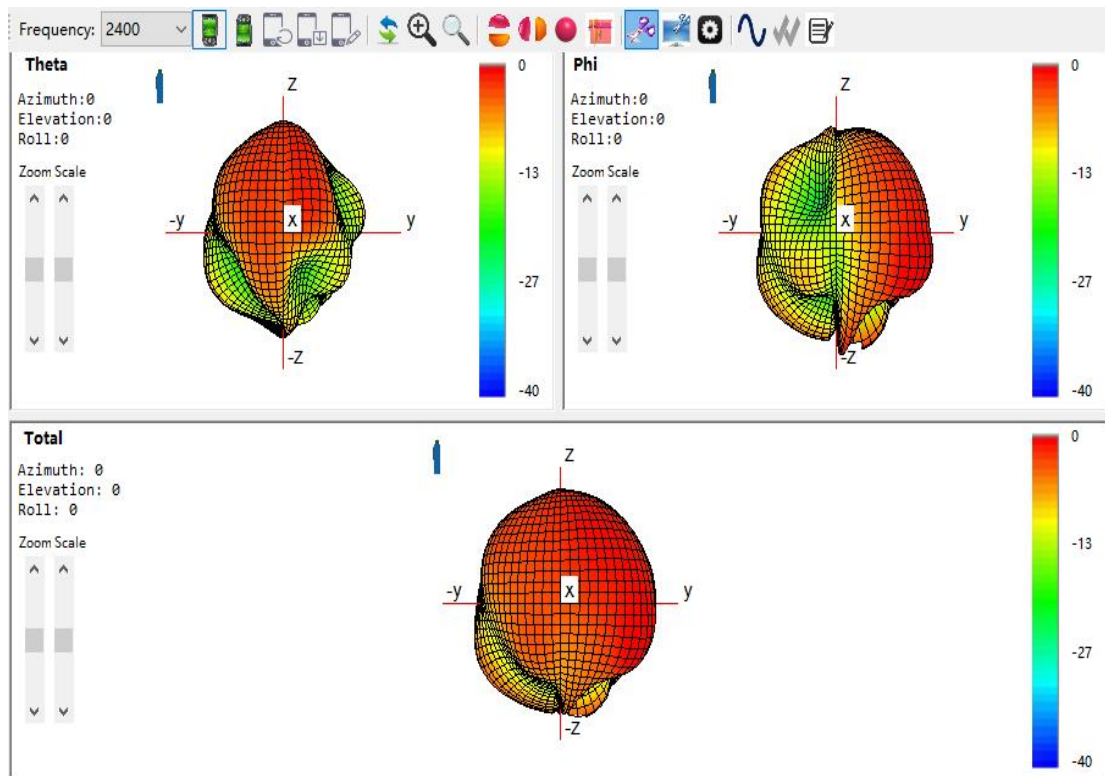


Freq(MHz)	Gain (dBi)	Efficiency(%)
2400	2.07	48.18
2410	2.18	47.50
2420	2.26	46.29
2430	2.38	45.23
2440	2.35	43.86
2450	2.39	42.98
2460	2.18	40.75
2470	2.11	39.47
2480	1.96	38.66
2490	1.87	38.30
2500	1.68	37.35

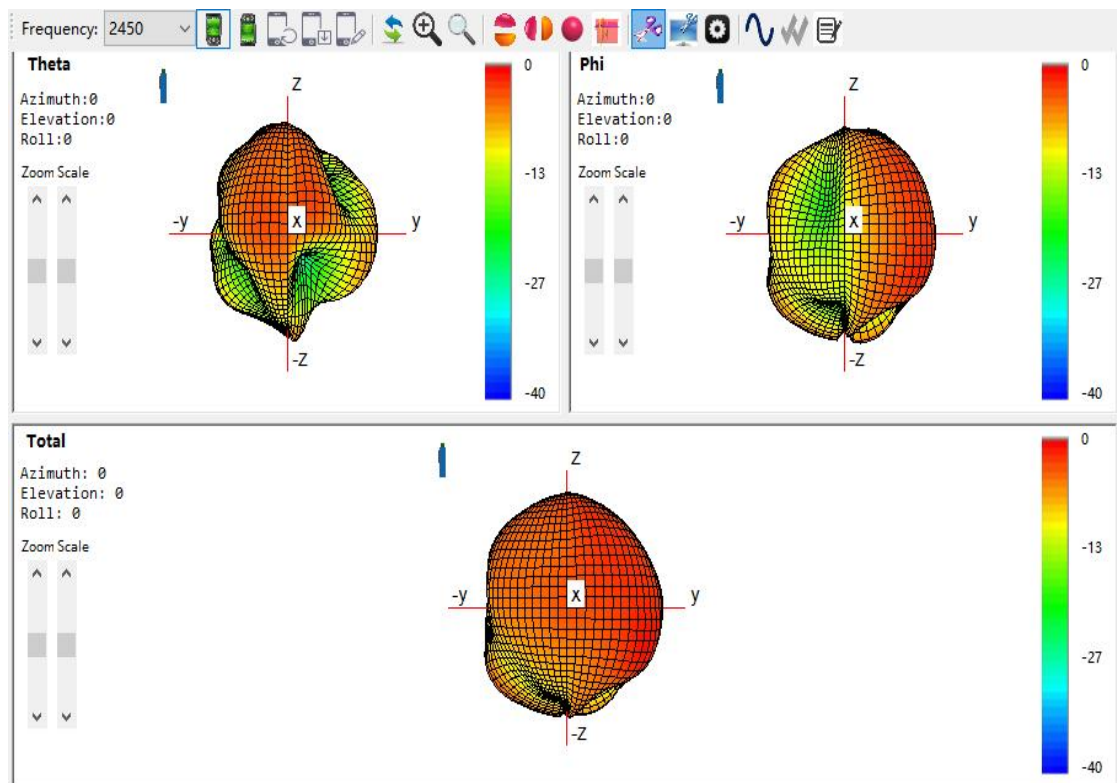
RADIATION PATTERNS(The data were obtained through testing conducted using a 2D Radiation Pattern)



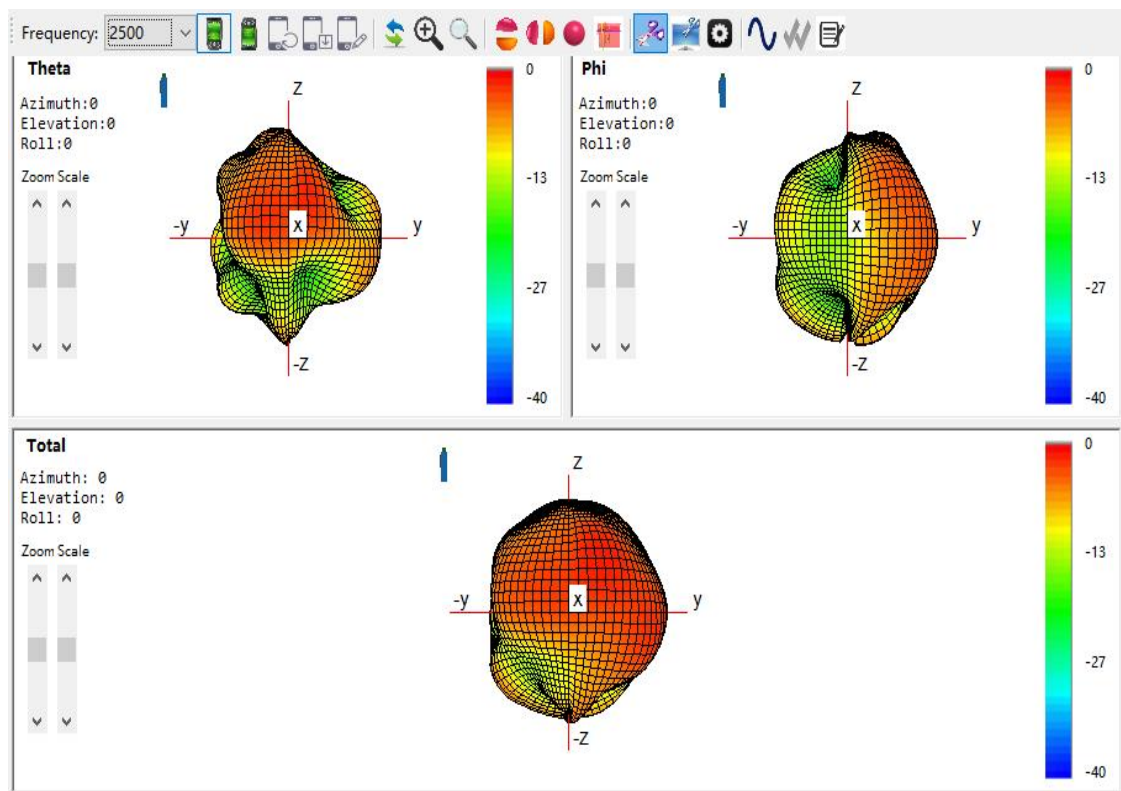
3D Radiation Pattern at 2400MHz Gain=2.07dBi



3D Radiation Pattern at 2450MHz Gain=2.39dBi



3D Radiation Pattern at 2500MHz Gain=1.68dBi



HOUSING CONFIGURATIONS

