

reTerminal D1001 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 D1001 Antenna
Part Number	M01-0602200ROA (Antenna)
Dimensions	32.5 x 14.4mm (Antenna)
Weight	0.5g
Color	Black
Mounting	adhesive
Antenna Cable	Default IPEX 1 RF 1.13 black coaxial cable (Ø 1.13 x 60 mm) , customizable.

REFERENCE GUIDE

Technical Features (MHz)	2400-2500
Max VSWR	3:1
Max Efficiency	49.82%
Peak Gain	1.41dBi
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)	32.5 x 14.4mm

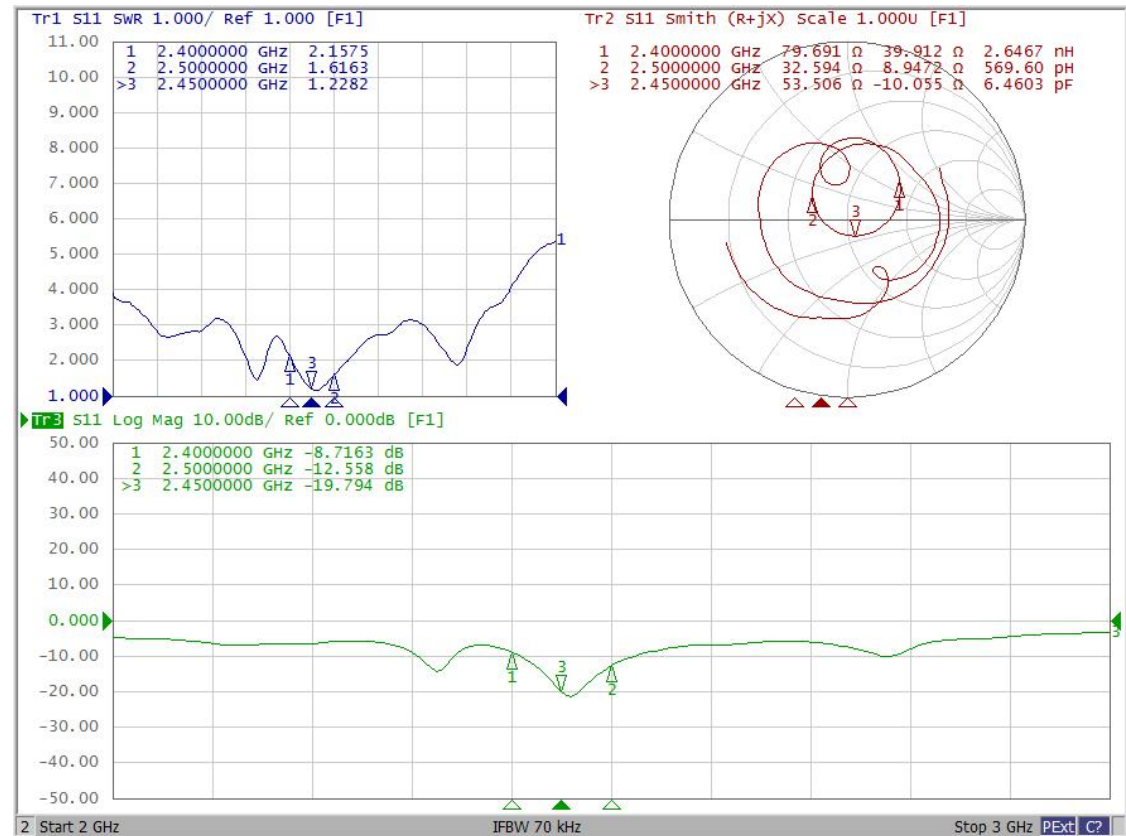
MyAntenna RF Technology Co., Ltd

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

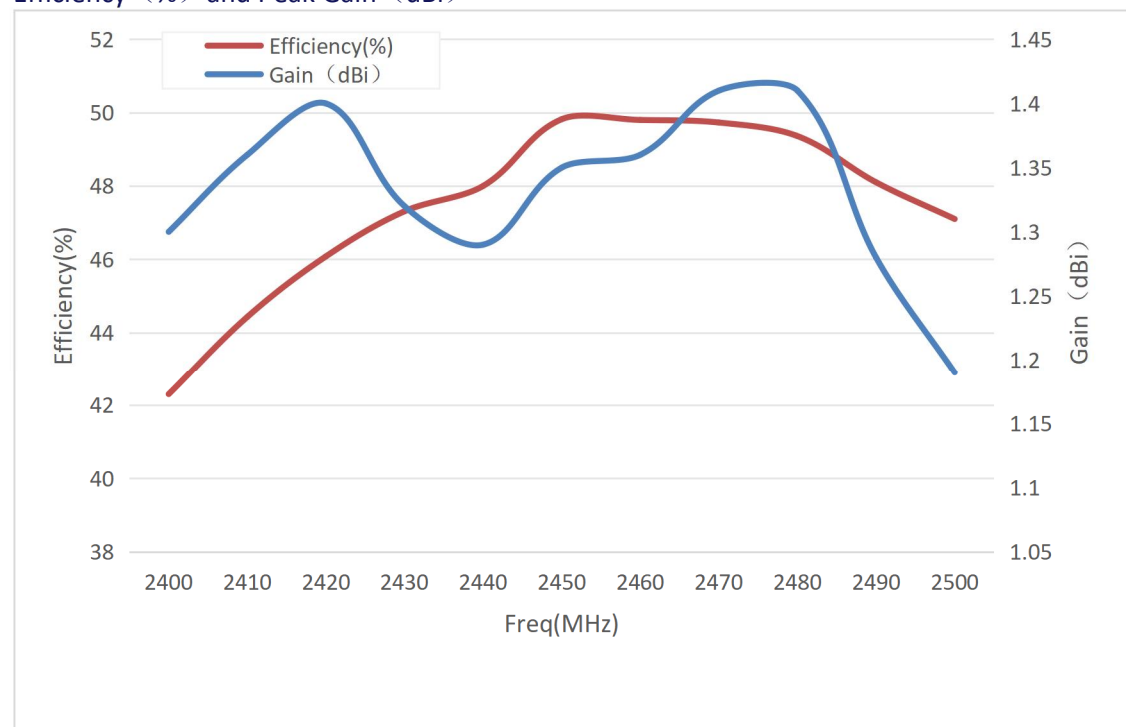
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL PERFORMANCE

Return Loss



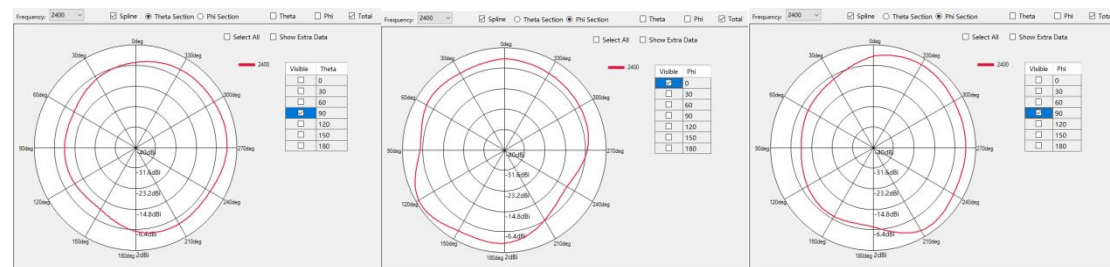
Efficiency (%) and Peak Gain (dBi)



Freq(MHz)	Gain (dBi)	Efficiency(%)
2400	1.30	42.30
2410	1.36	44.43
2420	1.40	46.08
2430	1.32	47.31
2440	1.29	48.00
2450	1.35	49.82
2460	1.36	49.80
2470	1.41	49.73
2480	1.41	49.36
2490	1.28	48.10
2500	1.19	47.10

RADIATION PATTERNS

2D Radiation Pattern at 2400MHz Gain=1.30dBi

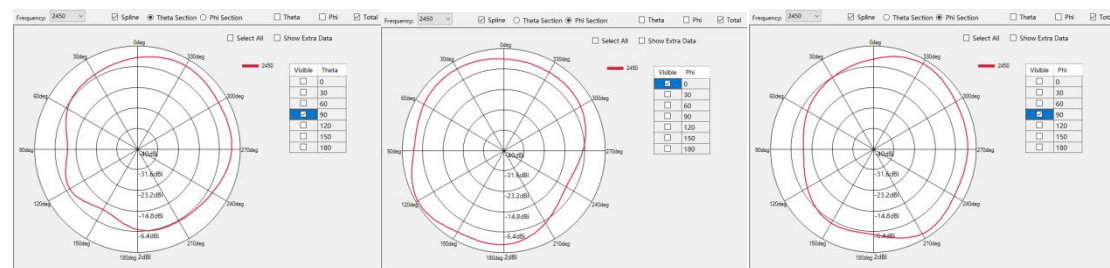


H 面

E1 面

E2 面

2D Radiation Pattern at 2450MHz Gain=1.35dBi

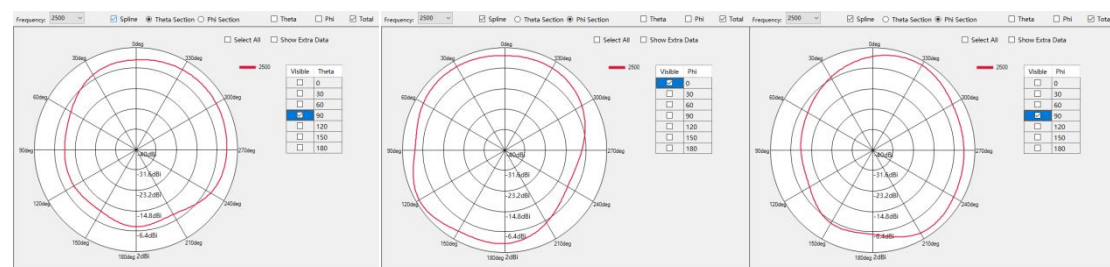


H 面

E1 面

E2 面

2D Radiation Pattern at 2500MHz Gain=1.19dBi

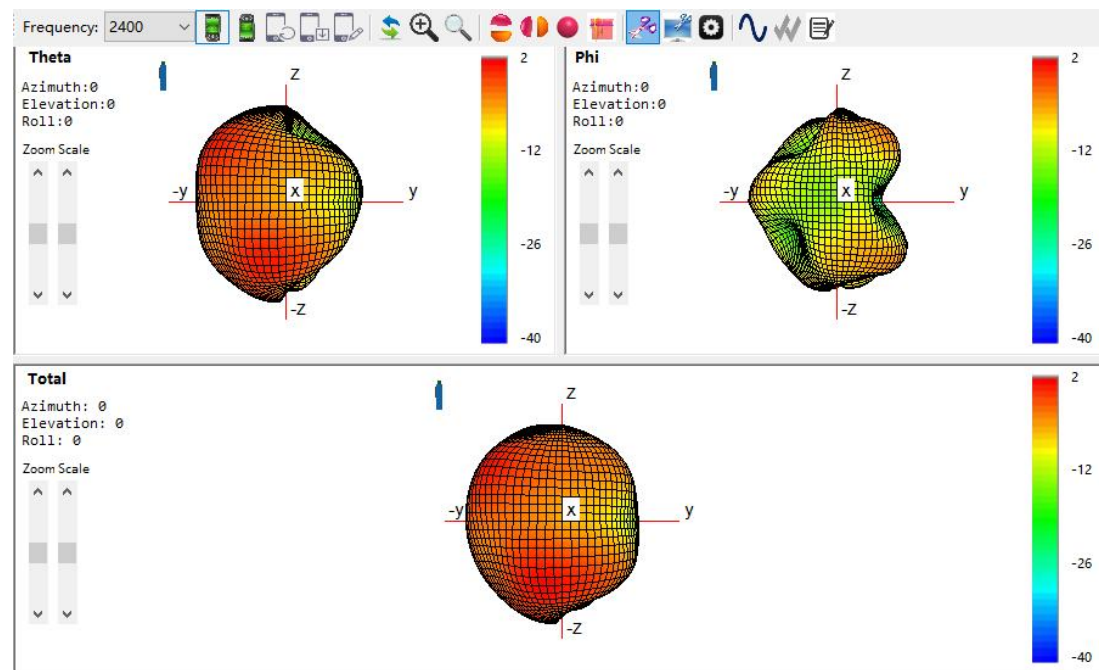


H 面

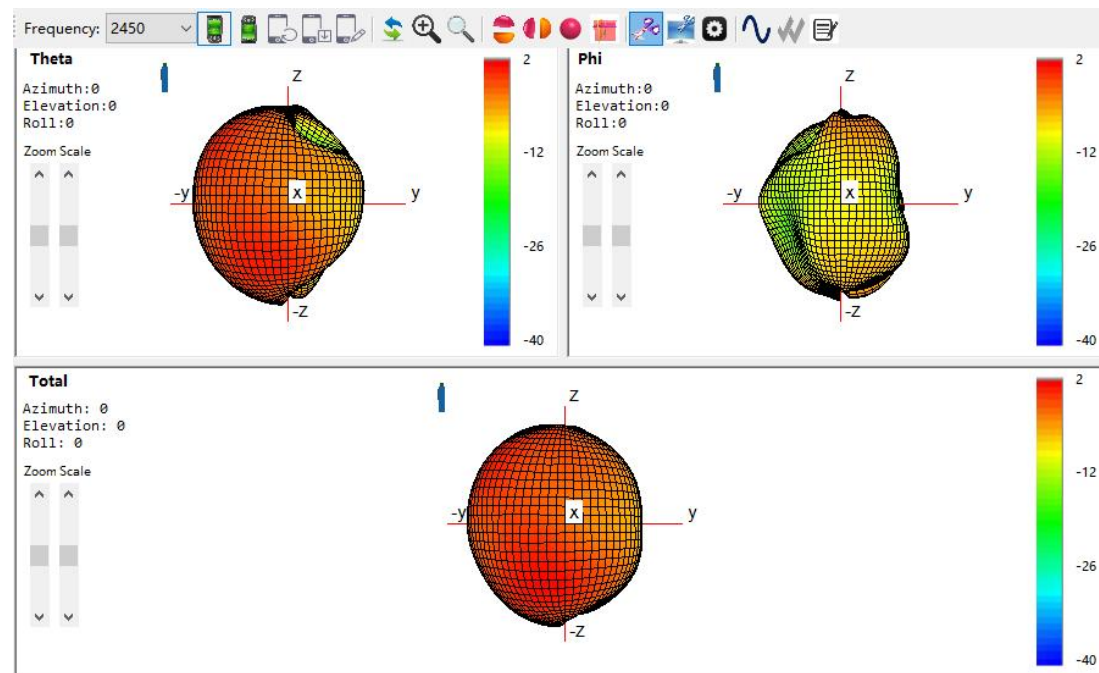
E1 面

E2 面

3D Radiation Pattern at 2400MHz Gain=1.30dBi



3D Radiation Pattern at 2450MHz Gain=1.35dBi



3D Radiation Pattern at 2500MHz Gain=1.19dBi

