

258F 37.3x21.8L90IPEX4 Antenna

FEATURES



- 2.29 dBi Peak Gain@2.4G
- 4.50 dBi Peak Gain@5.8G
- Welding RF 1.13 cable, IpeX connector, 3M sticker for easy installation.
- For smart device wireless, Zigbee, Bluetooth terminal
- Need Increase the Ground Plane Area



PRODUCTS

| Part No. | Weight | Dimensions (L x WxH) | Cables Dimensions | Connector | Color |
|----------------|--------|----------------------|-------------------|-----------|-------|
| M01-0200490R0A | | FPC:37.3*21.8*0.2 mm | Φ 1.13*90mm | IPEX4 | Black |

SPECIFICATIONS

| PARAMETER | SPECIFICATION | |
|------------------------------------|---|-----------|
| Frequency Bands, MHz | 2400-2500 | 5100-5900 |
| VSWR (Max) | 4.0:1 | 3.0:1 |
| Peak Gain, dBi (Typ) | Up to 2.29 dBi@2.4G/Up to 4.50 dBi@5.8G | |
| Peak Efficiency,(%) | Up to 54.06%@2.4G/Up to 75.97%@5.8G | |
| Nominal Impedance | 50 Ω | |
| Max Power (ambient temp of 25°C) | 10 Watts | |
| Azimuth Beam Width (deg) | 360° | |
| Polarization | Linear | |
| Color | Black | |
| Storage Temperature Range (°C) | -40° C to +85° C | |
| Operational Temperature Range (°C) | -40° C to +85° C | |
| Material Substance Compliance | REACH/Rohs Compliant | |

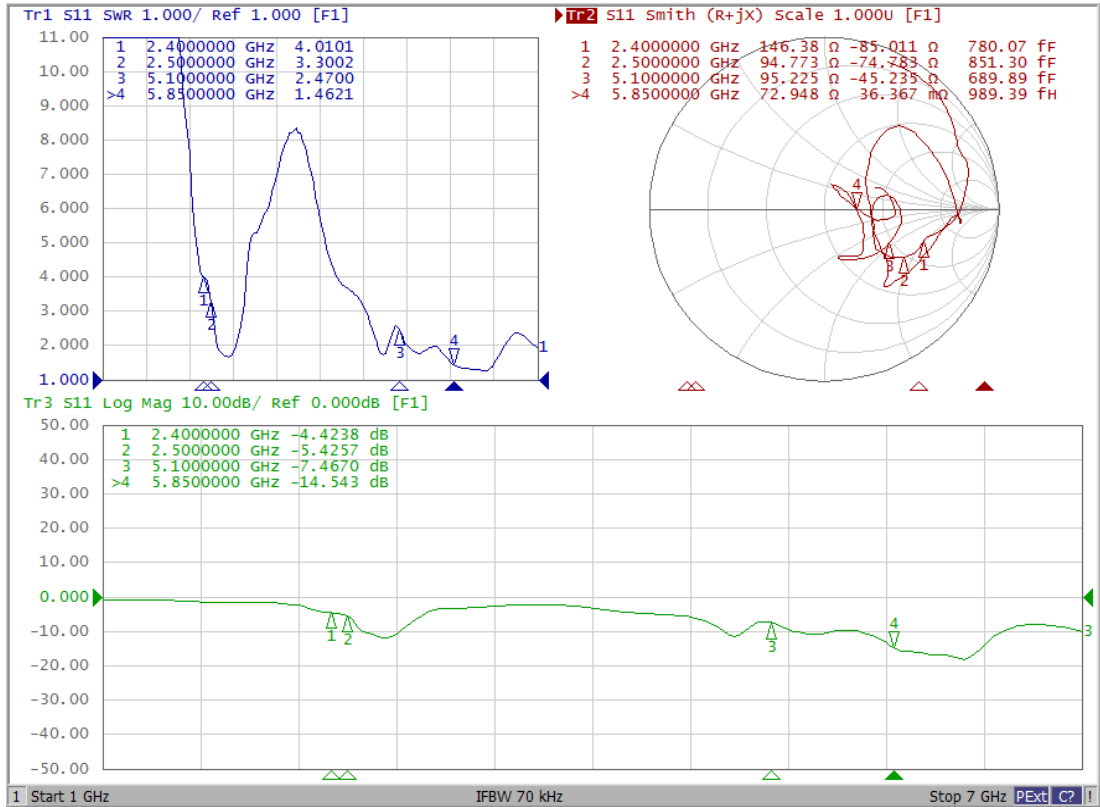
MyAntenna RF Technology Co., Ltd

ADD:Room 410, Building A, Fenghuang Zhigu, No. 50 Tiezi Road, Gongle Community, Xixiang Street, Baoan District, Shenzhen

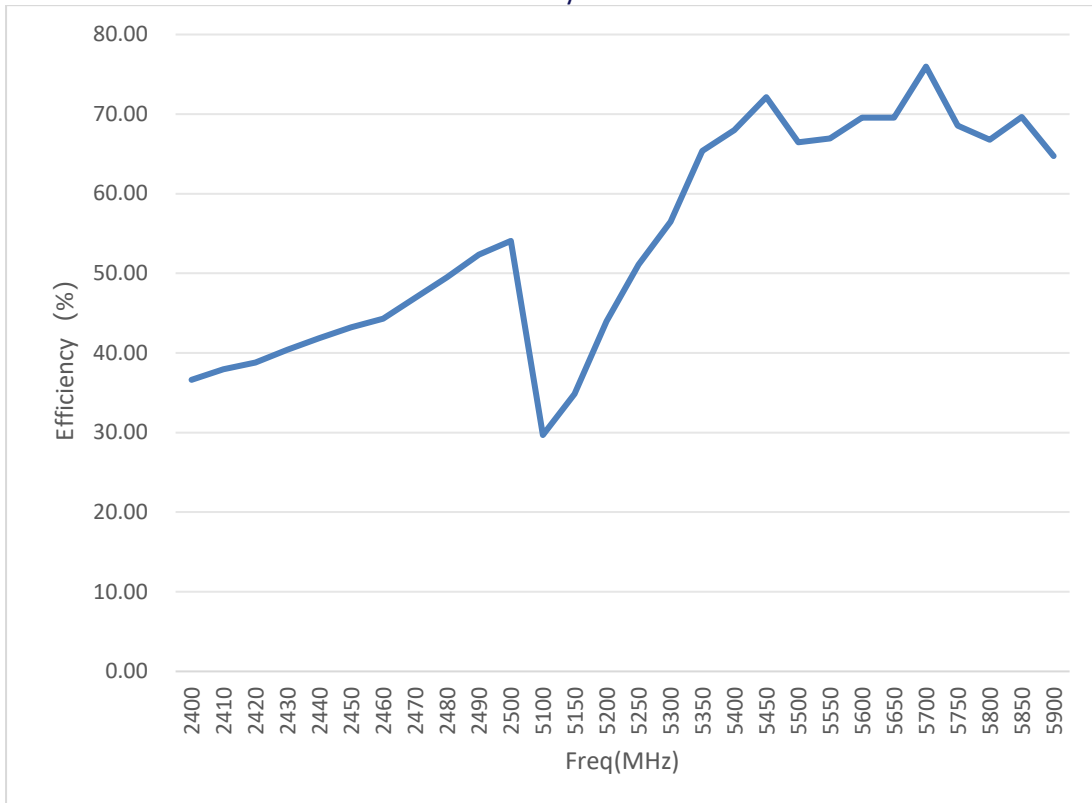
TEL: +86-0755-86503881 E-mail: nfc@myantenna.com

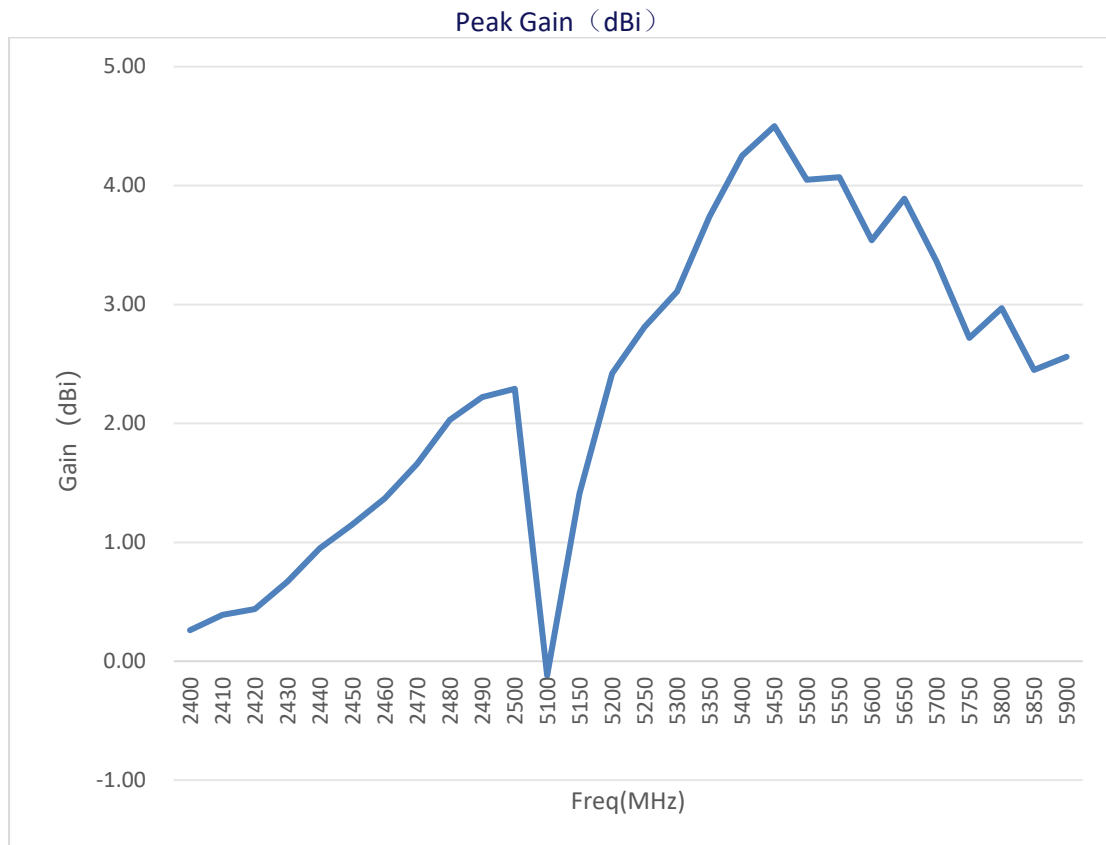
ELECTRICAL DATA

V.S.W.R



Efficiency (%)



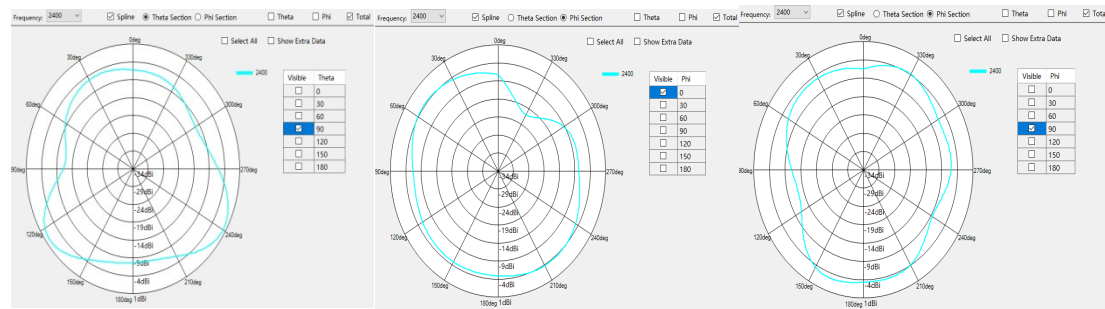


Data list

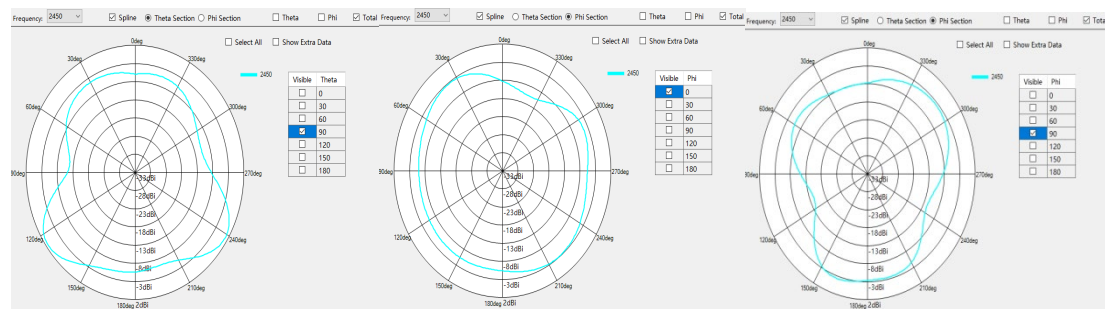
| Freq(MHz) | Gain (dBi) | Efficiency (%) | Freq(MHz) | Gain (dBi) | Efficiency (%) |
|-----------|------------|----------------|-----------|------------|----------------|
| 2400 | 0.26 | 36.62 | 5250 | 2.81 | 51.10 |
| 2410 | 0.39 | 37.96 | 5300 | 3.11 | 56.50 |
| 2420 | 0.44 | 38.80 | 5350 | 3.74 | 65.39 |
| 2430 | 0.67 | 40.39 | 5400 | 4.25 | 68.01 |
| 2440 | 0.95 | 41.87 | 5450 | 4.50 | 72.15 |
| 2450 | 1.15 | 43.22 | 5500 | 4.05 | 66.45 |
| 2460 | 1.37 | 44.32 | 5550 | 4.07 | 66.95 |
| 2470 | 1.66 | 46.90 | 5600 | 3.54 | 69.57 |
| 2480 | 2.03 | 49.48 | 5650 | 3.89 | 69.54 |
| 2490 | 2.22 | 52.36 | 5700 | 3.36 | 75.97 |
| 2500 | 2.29 | 54.06 | 5750 | 2.72 | 68.54 |
| 5100 | -0.12 | 29.69 | 5800 | 2.97 | 66.80 |
| 5150 | 1.41 | 34.87 | 5850 | 2.45 | 69.63 |
| 5200 | 2.42 | 44.00 | 5900 | 2.56 | 64.74 |

RADIATION PATTERNS

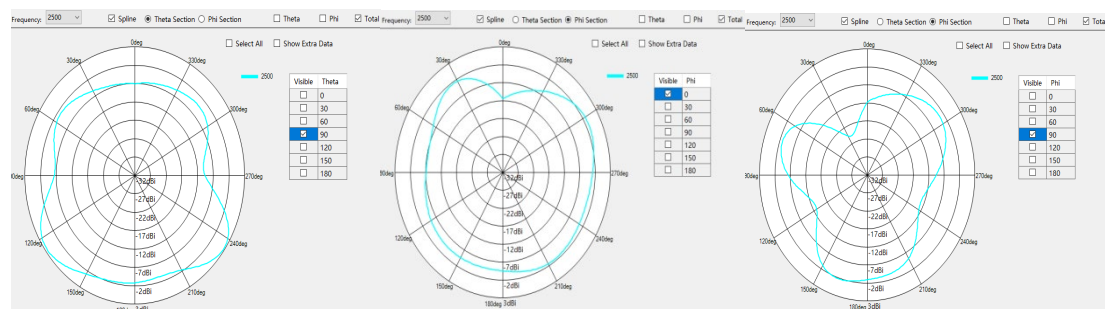
2D Radiation Pattern at 2400MHz Gain=0.26dBi



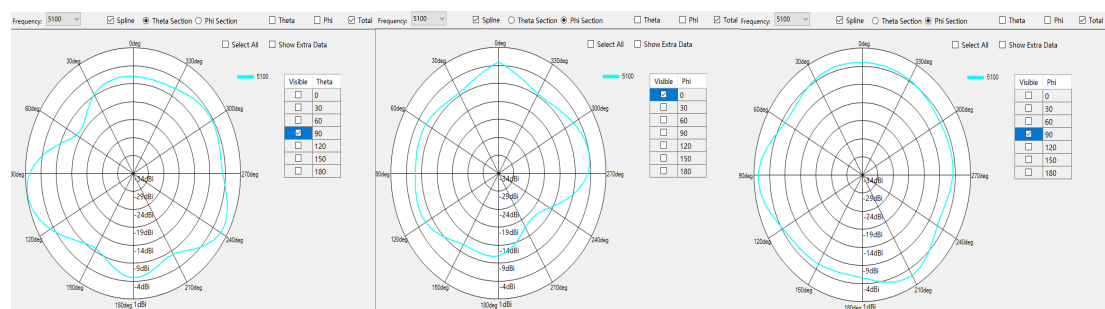
2D Radiation Pattern at 2450MHz Gain=1.15dBi



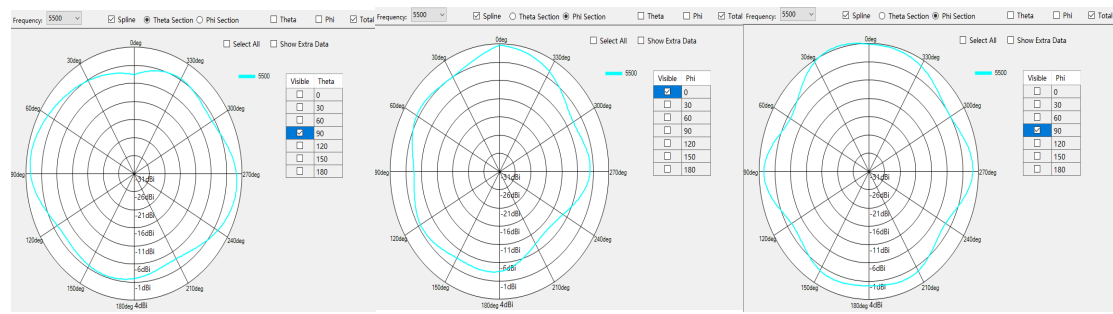
2D Radiation Pattern at 2500MHz Gain=2.29dBi



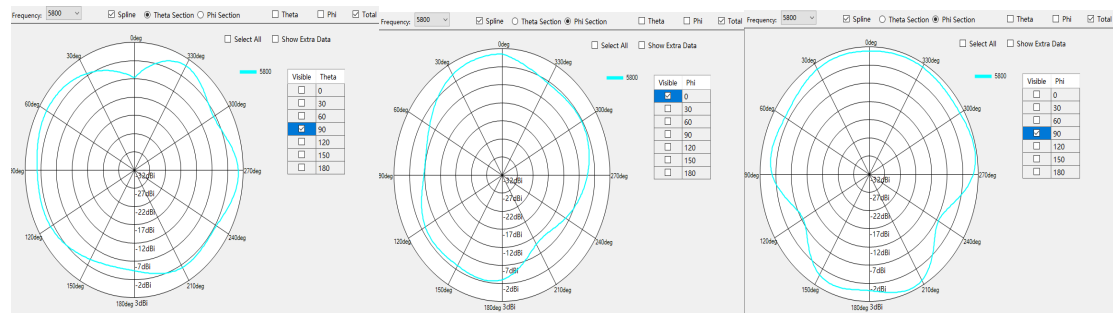
2D Radiation Pattern at 5100MHz Gain=-0.12dBi



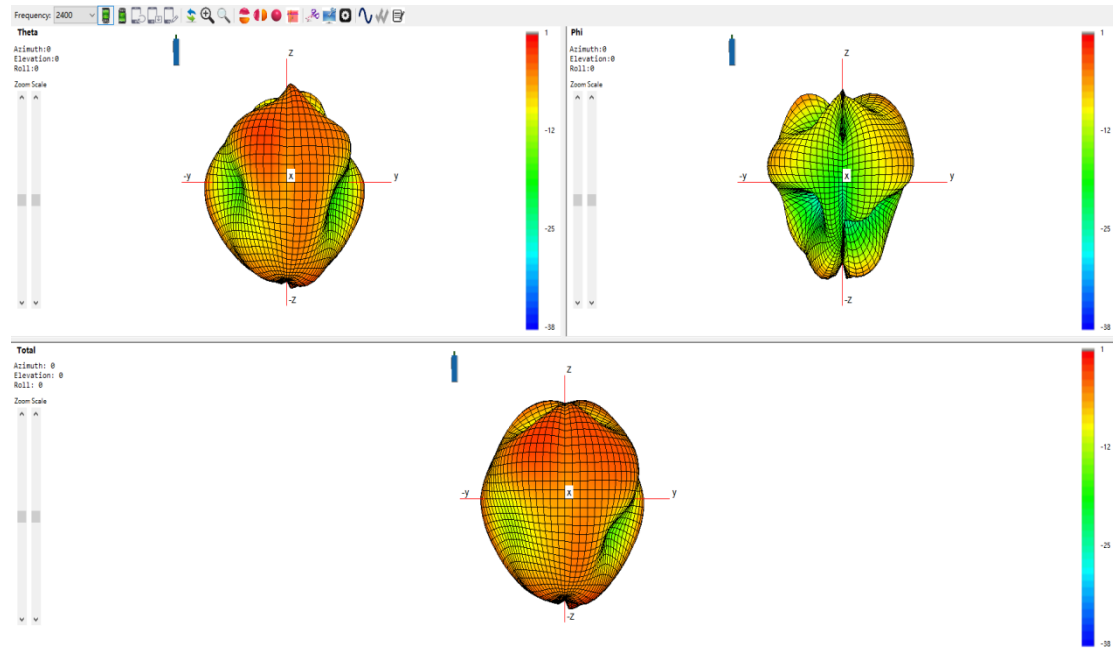
2D Radiation Pattern at 5500MHz Gain=4.05dBi



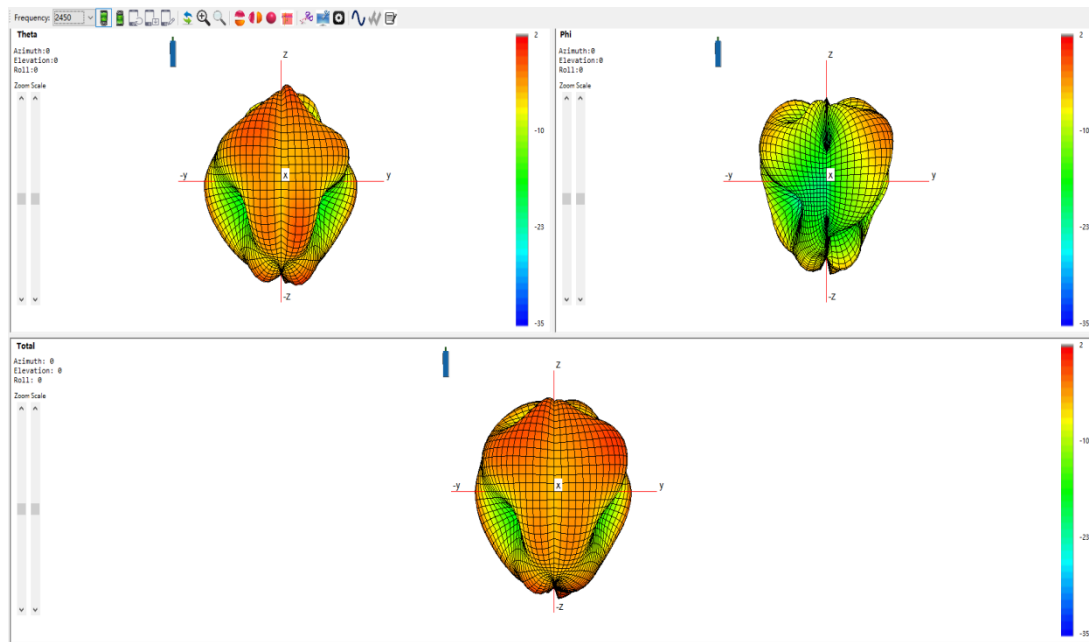
2D Radiation Pattern at 5800MHz Gain=2.97dBi



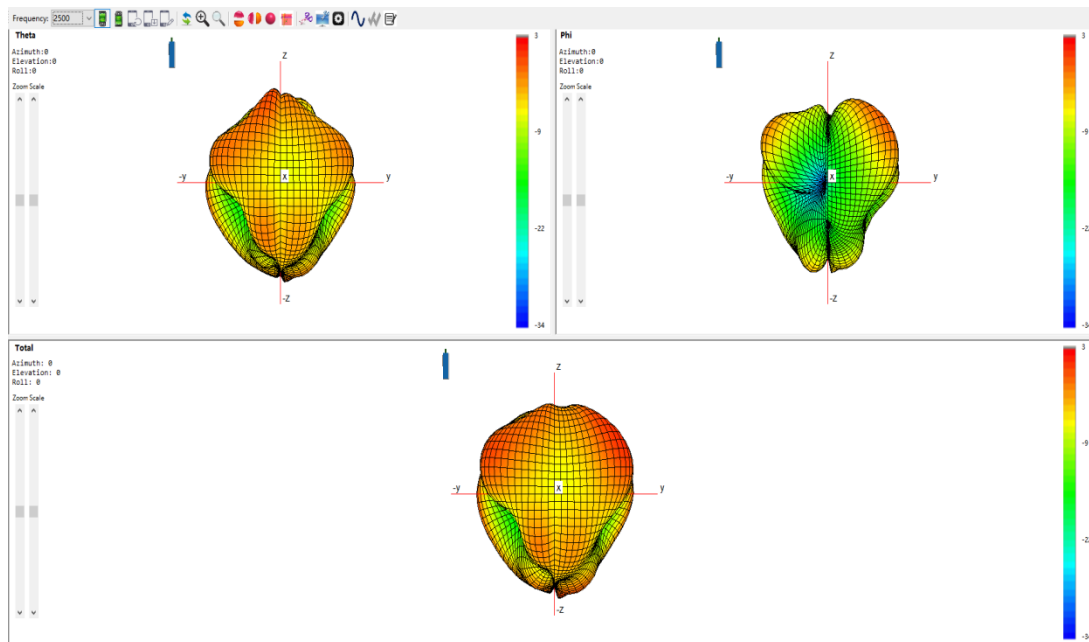
3D Radiation Pattern at 2400MHz Gain=0.26dBi



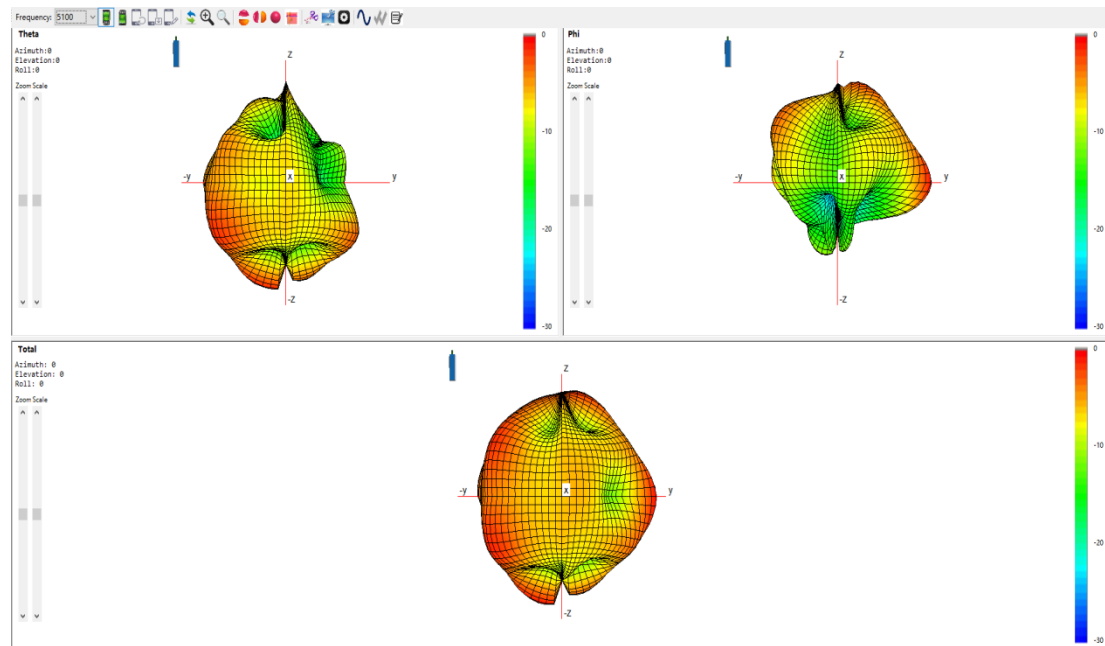
3D Radiation Pattern at 2450MHz Gain=1.15dBi



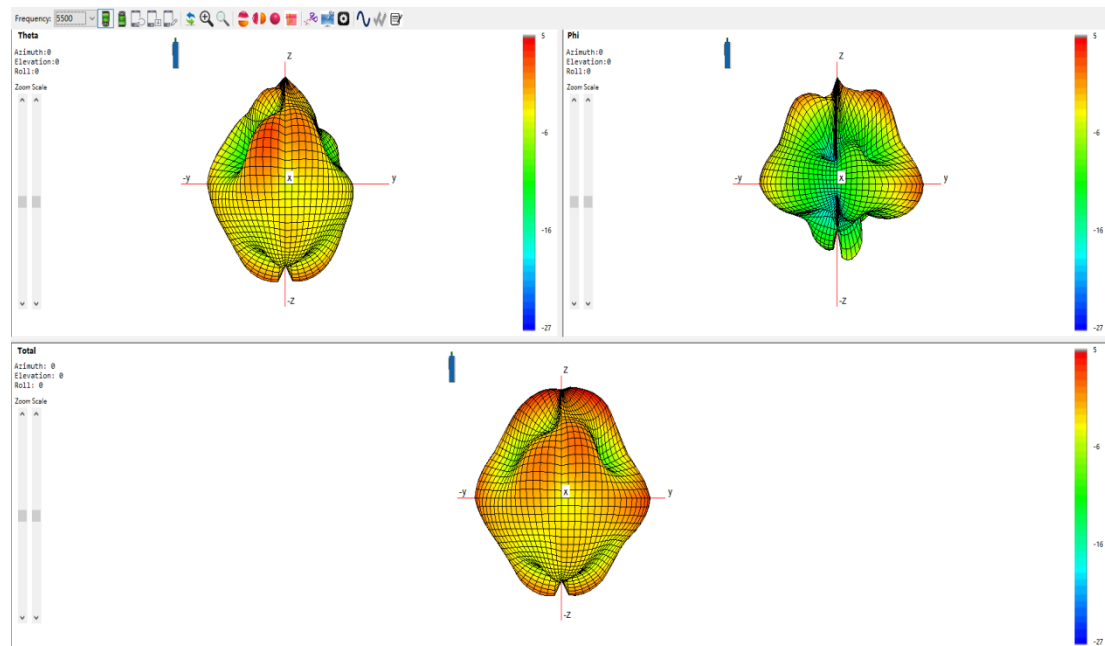
3D Radiation Pattern at 2500MHz Gain=2.29dBi



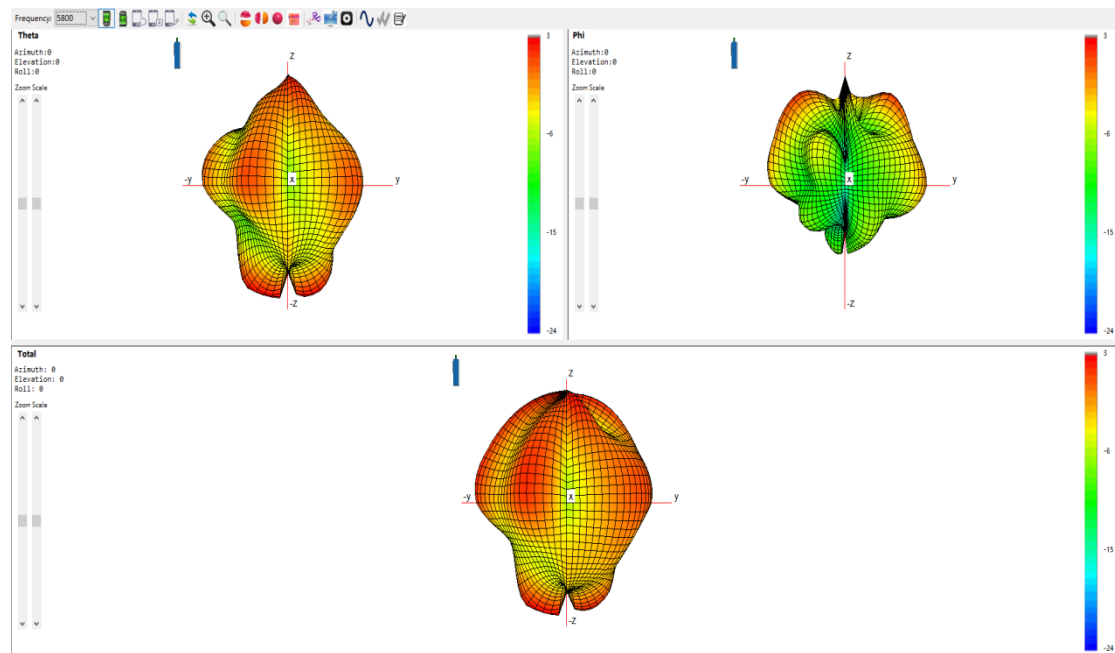
3D Radiation Pattern at 5100MHz Gain=-0.12dBi



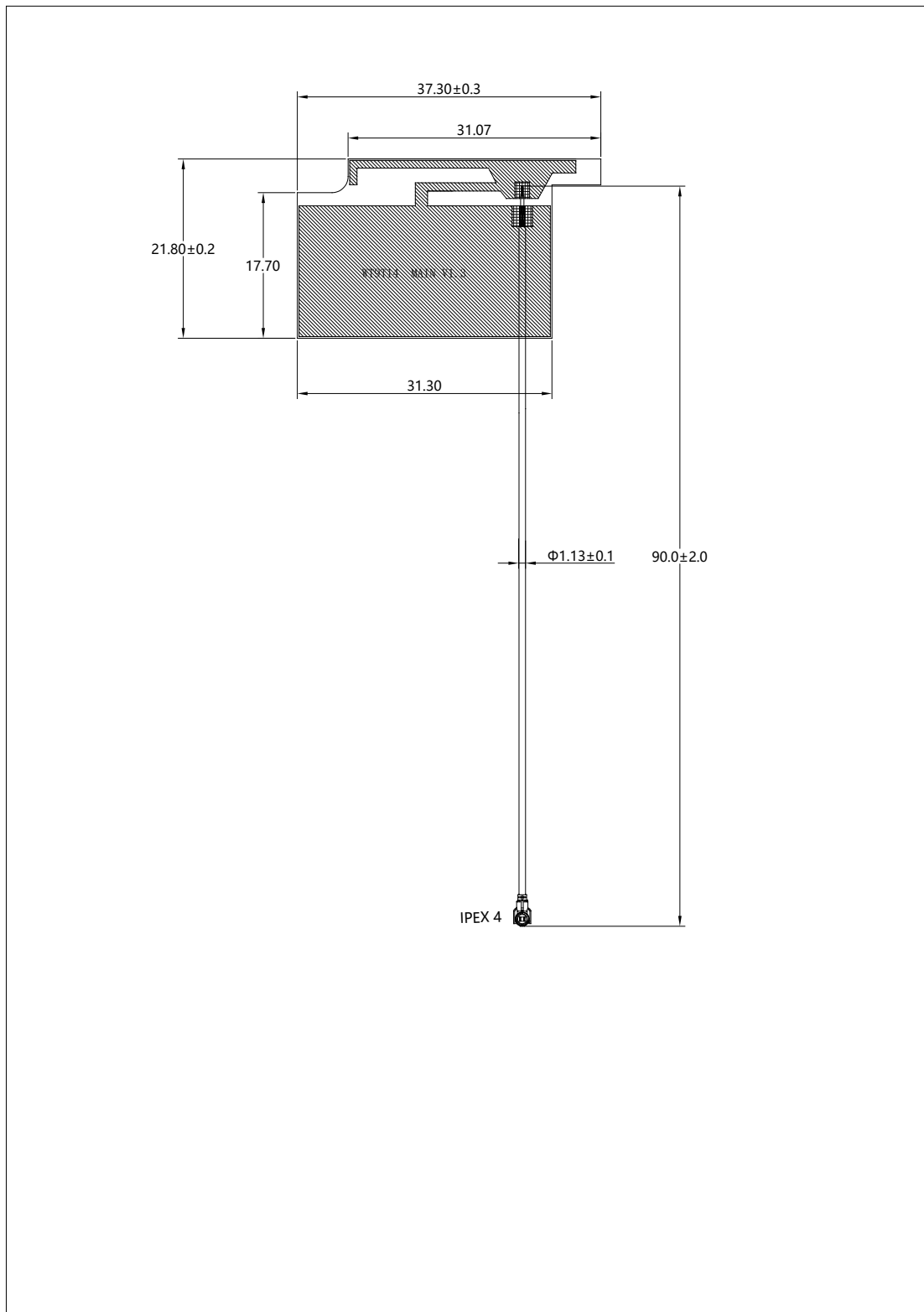
3D Radiation Pattern at 5500MHz Gain=4.05dBi



3D Radiation Pattern at 5800MHz Gain=2.97dBi



HOUSING CONFIGURATIONS



Aboosty™ is owned by Shenzhen MyAntenna RF Technology Co., Ltd. (often abbreviated as MyAntenna).