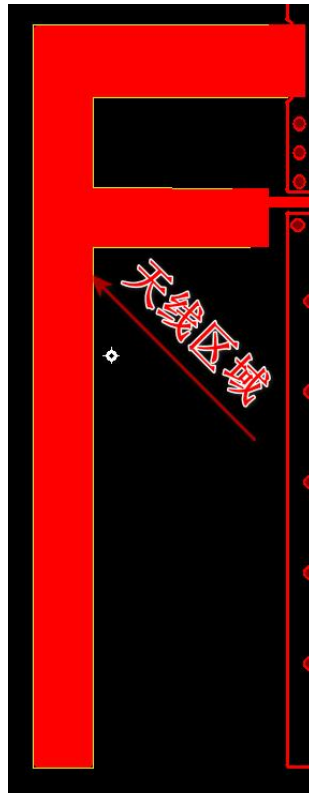


Antenna Specification

1、Electrical performance

- 1.1) Type of Antenna: PCB antenna
- 1.2) Frequency range: 2400MHz ~ 2500MHz
- 1.3) Gain: 3.36 dBi
- 1.4) Impedance: 50 ohm
- 1.5) VSWR: ≤ 1.8
- 1.6) Return Loss: $< -10\text{dB}$
- 1.7) Polarization: Linear
- 1.8) Radiation: Omni-directional
- 1.9) Model: ATS-09
- 1.10) Manufacturer: Shenzhen Antexin Technology Co.,Ltd
- 1.11) Brand: Shenzhen Antexin Technology Co.,Ltd

2、Antenna graph

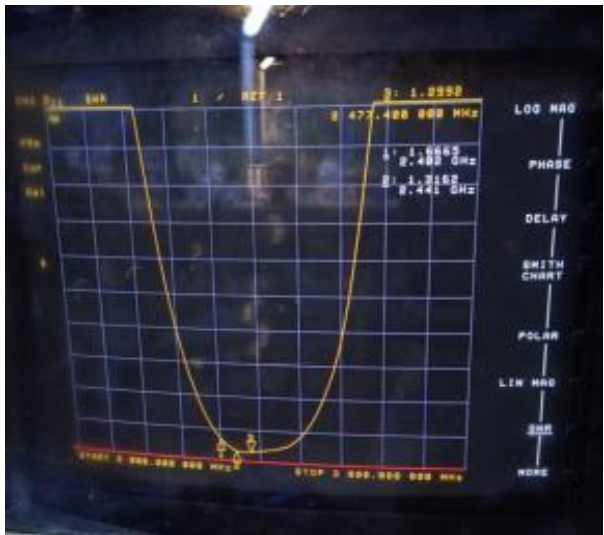


(a) PCB antenna

3、 Network analyzer graph



(b) Return Loss



(c) VSWR



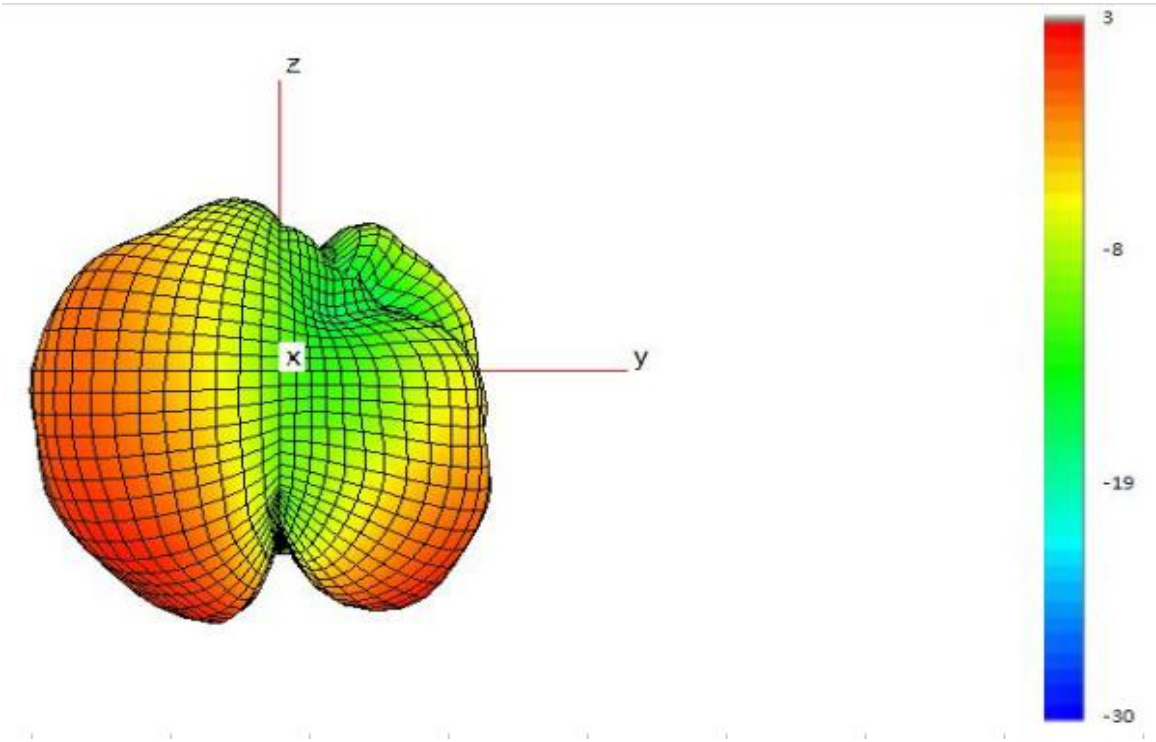
(d) Smith Chart

4、 Gain pattern

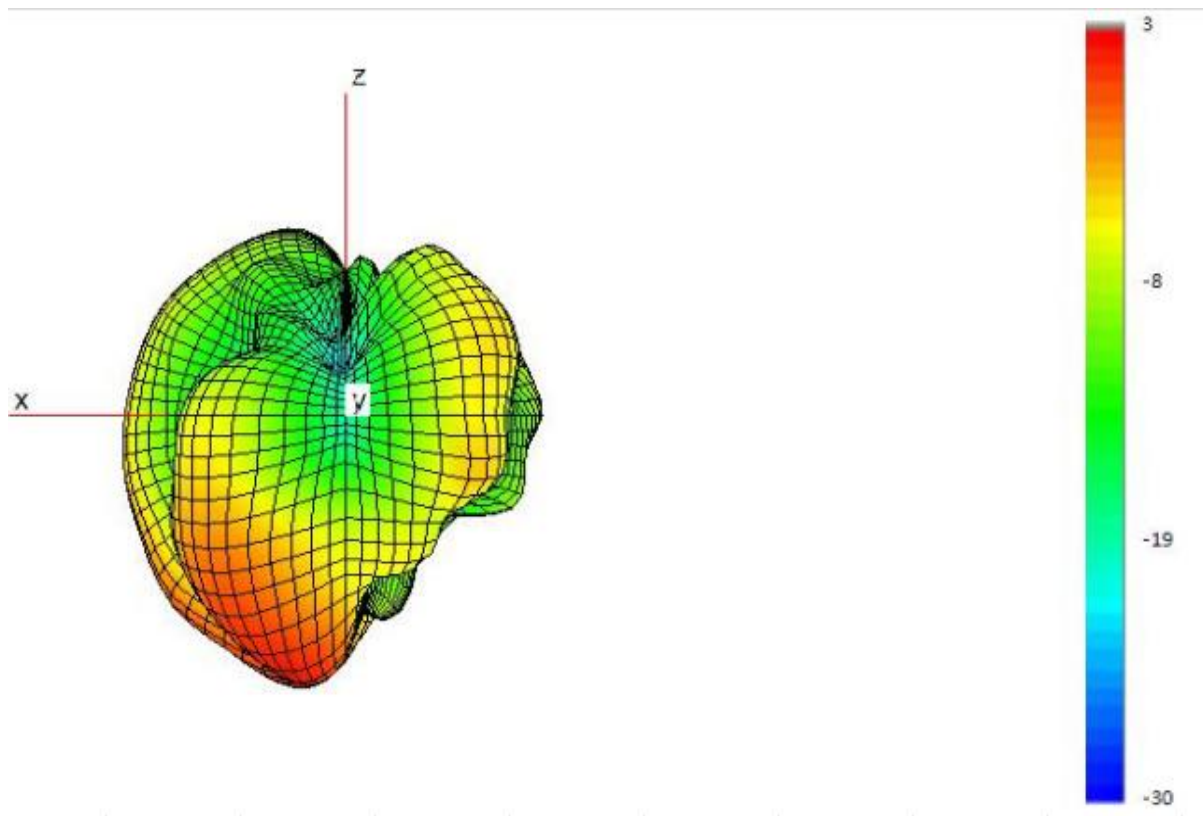
4.1) Gain chart

Freq (MHz)	Gain (dB)	Efficiency (dB)	Efficiency (%)
2400	3.16	-3.79	41.74
2410	3.26	-3.68	42.82
2420	3.31	-3.60	43.70
2430	3.36	-3.50	44.68
2440	3.33	-3.47	44.98
2450	3.14	-3.56	44.07
2460	3.00	-3.58	43.89
2470	2.94	-3.55	44.15
2480	2.94	-3.55	44.21
2490	2.62	-3.68	42.85
2500	2.54	-3.66	43.02

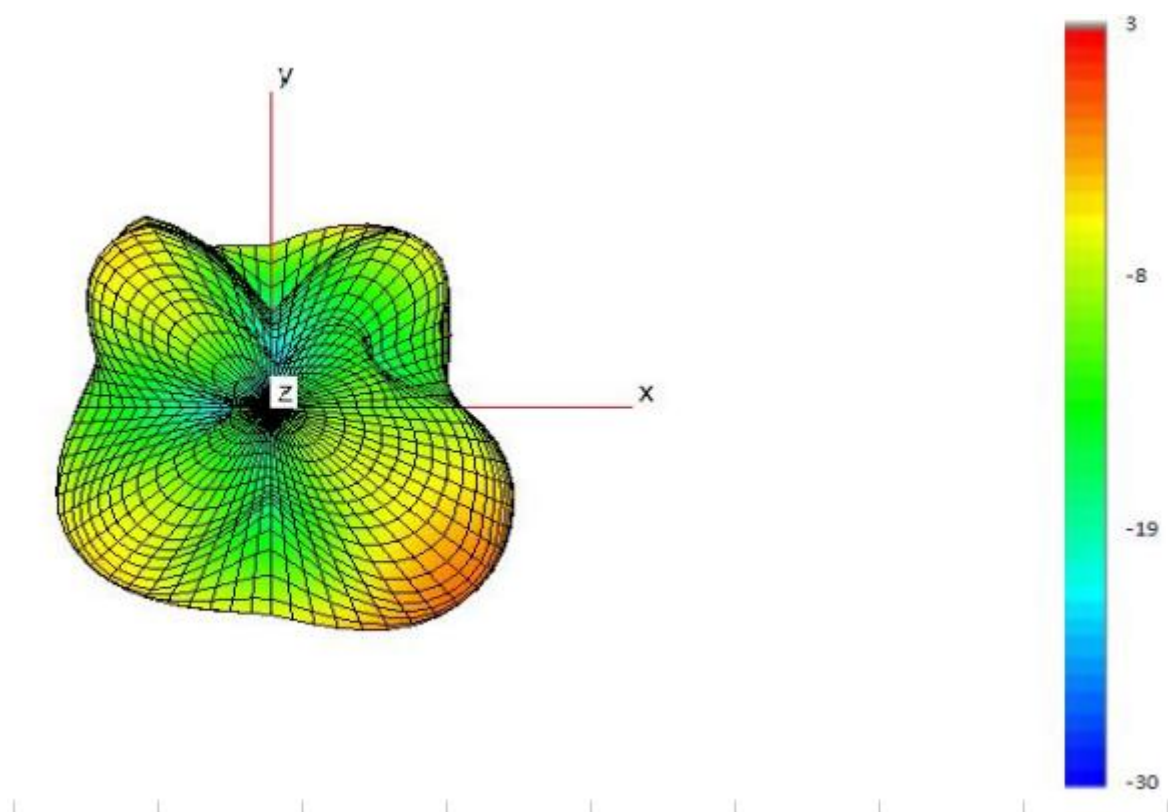
4.2) 3D gain pattern



(e) 3D gain pattern, X+

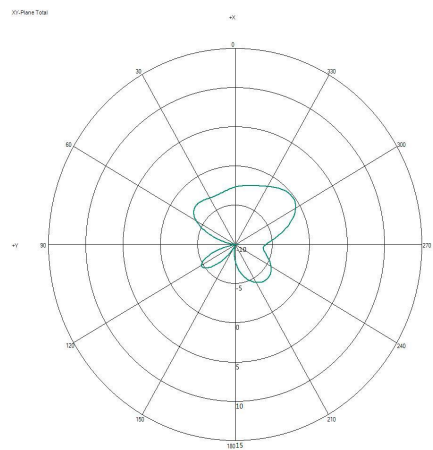


(f) 3D gain pattern, Y+

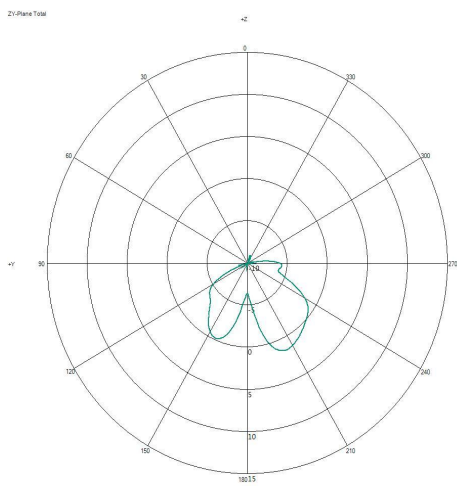


(g) 3D gain pattern, Z+

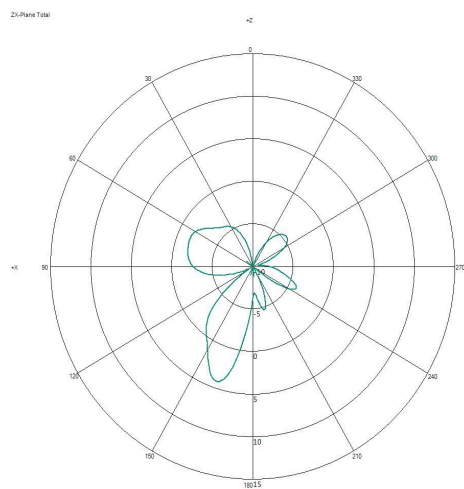
4.3) 2D gain pattern



(f) (XY-Plane)



(g) (ZY-Plane)



(h) (ZX-Plane)

