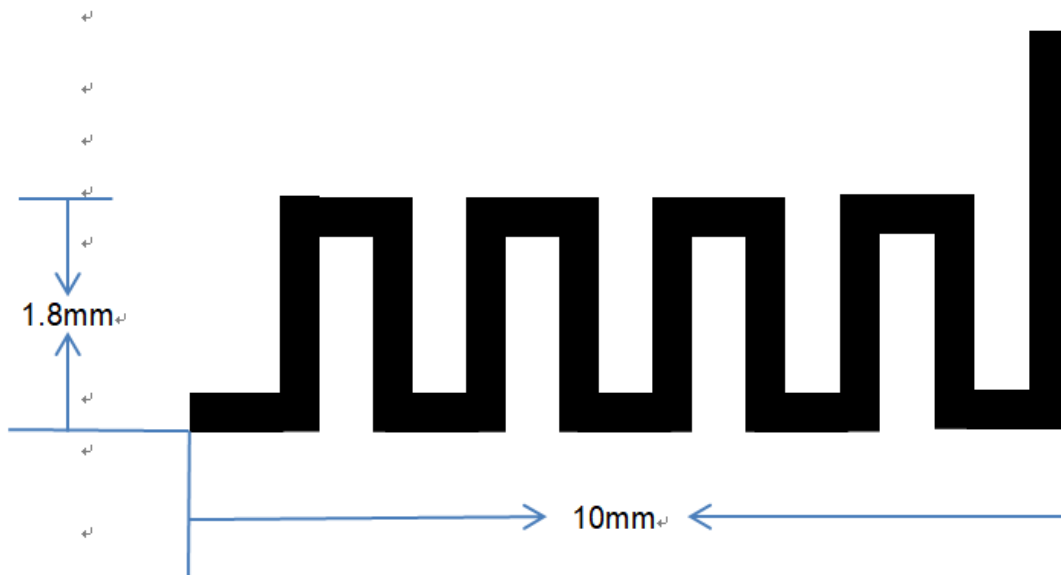


ATL-37B-Antenna Specification

1、Electrical performance

- 1.1) Type of Antenna: **PCB antenna**
- 1.2) Frequency range: 2400MHz ~ 2500MHz
- 1.3) Gain: 0dBi
- 1.4) Impedance: 50 ohm
- 1.5) VSWR: ≤ 2
- 1.6) Return Loss: ≤ -10 dB
- 1.7) Polarization: Linear
- 1.8) Radiation: Omni-directional

2、Antenna graph



(a) On-board antenna

3、 Network analyzer graph



(b) Return Loss



(c) VSWR



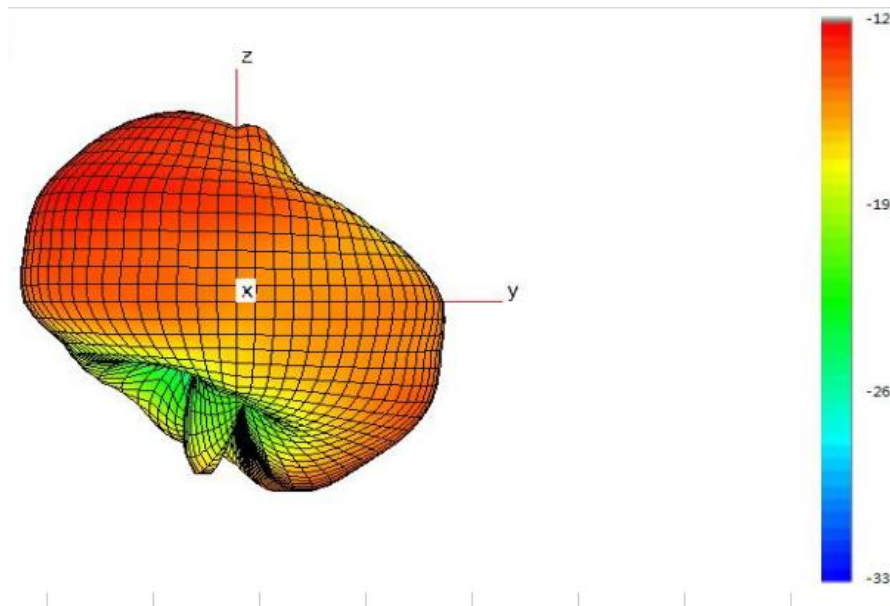
(d) Smith Cha

4、 Gain pattern

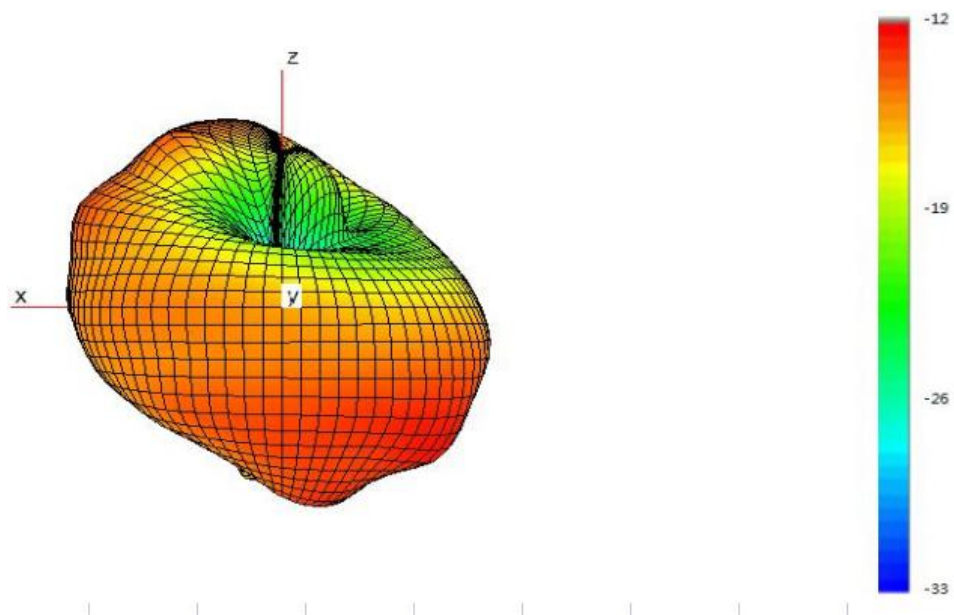
4.1) Gain chart

Freq (MHz)	Gain(dBi)	Efficiency (dB)	Efficiency (%)
2400	-1.03	-5.09	25.51
2410	-0.54	-4.60	27.35
2420	-0.34	-4.37	28.33
2430	0.00	-4.18	29.16
2440	-0.31	-4.11	30.48
2450	-0.48	-4.21	29.04
2460	-0.85	-4.49	27.83
2470	-1.14	-4.72	26.91
2480	-1.16	-4.97	25.96
2490	-1.16	-5.30	24.79
2500	-1.37	-5.70	23.46

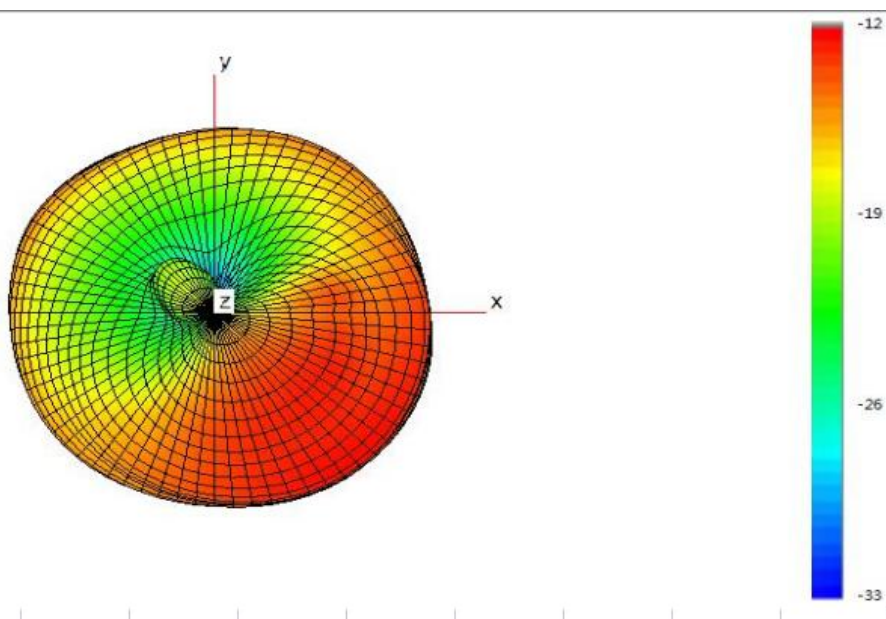
4.2) 3D gain pattern



(e) 3D gain pattern, X+

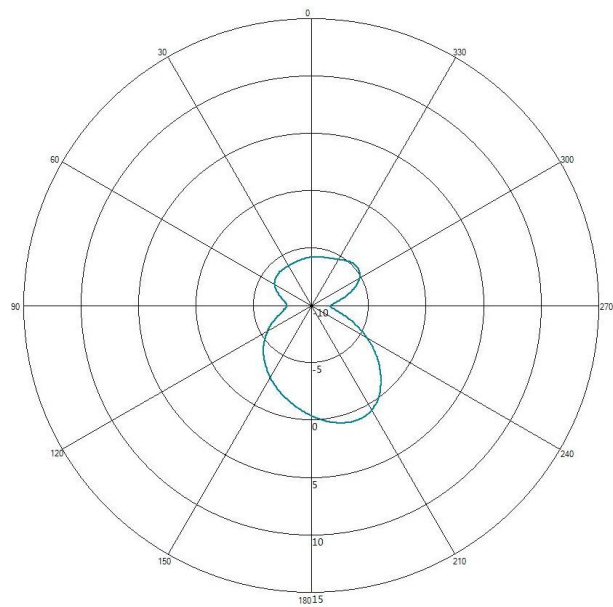


(f) 3D gain pattern, Y+

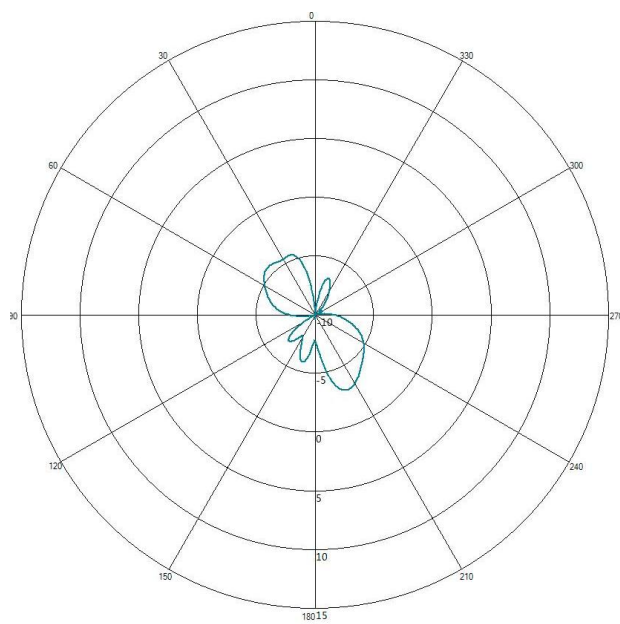


(g) 3D gain pattern, Z+

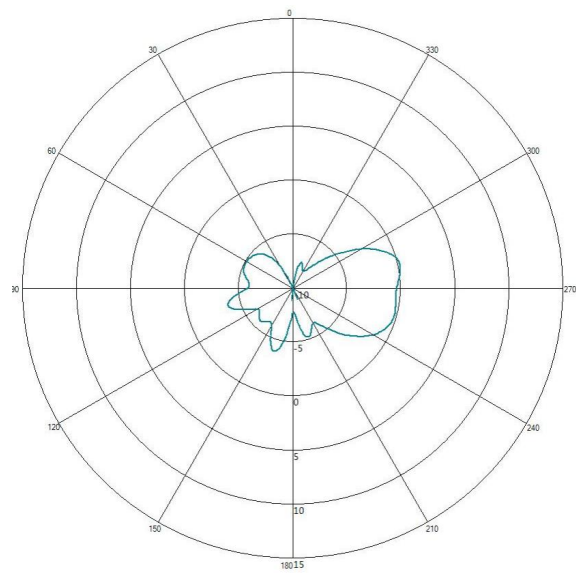
4.3) 2D gain pattern



(f) On-board antenna (XY-Plane)



(g) On-board antenna , (ZY-Plane)



(h) On-board antenna , (ZX-Plane)