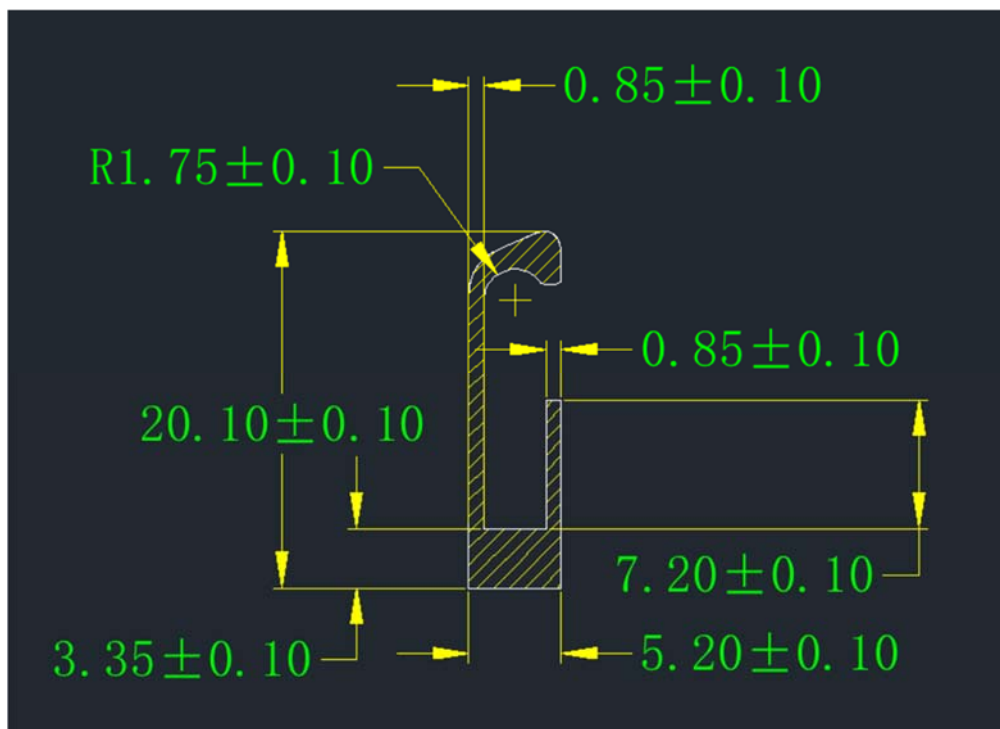


ATL-72-Antenna Specification

1、Electrical performance

- 1.1) Type of Antenna: FPC antenna
- 1.2) Frequency range: 2400MHz ~ 2500MHz
- 1.3) Gain: 2.19dBi
- 1.4) Impedance: 50 ohm
- 1.5) VSWR: ≤ 2
- 1.6) Return Loss: ≤ -10 dB
- 1.7) Polarization: Linear
- 1.8) Radiation: Omni-directional
- 1.9) Model: ATL-72
- 1.10) Manufacturer: Guangdong Antexin Technology Co., LTD
- 1.11) Brand: Guangdong AntexinTechnology Co., LTD

2、Antenna graph



(a) FPC antenna

3、 Network analyzer graph



(b) Return Loss



(c) VSWR



(d) Smith Cha

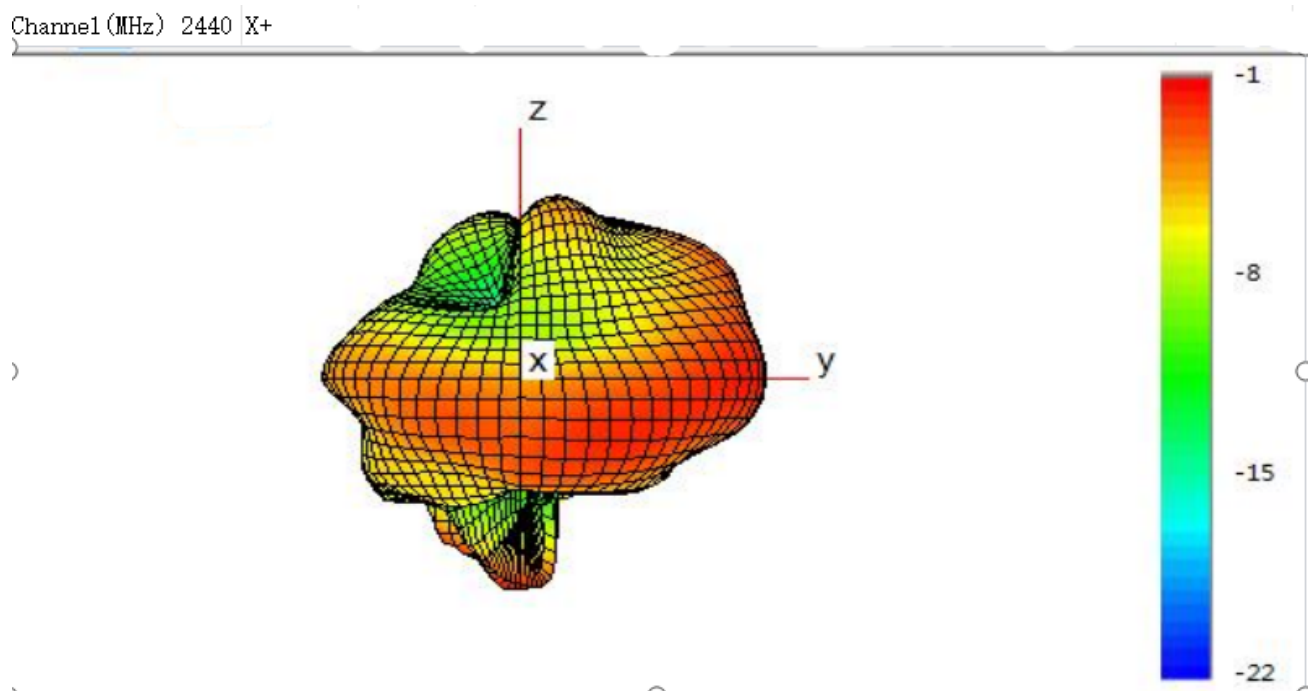
4、 Gain pattern

4.1) Gain chart

Freq (MHz)	Gain (dB)	Efficiency (dB)	Efficiency (%)
2400.00	1.58	-3.88	40.91
2410.00	1.48	-3.94	40.37
2420.00	2.19	-3.25	41.27
2430.00	1.50	-3.92	40.60
2440.00	1.29	-4.24	40.65
2450.00	1.73	-3.58	43.88
2460.00	1.46	-4.03	39.49
2470.00	1.17	-4.23	37.72
2480.00	1.88	-3.52	44.46
2490.00	2.06	-3.30	46.82
2500.00	1.46	-3.69	42.74

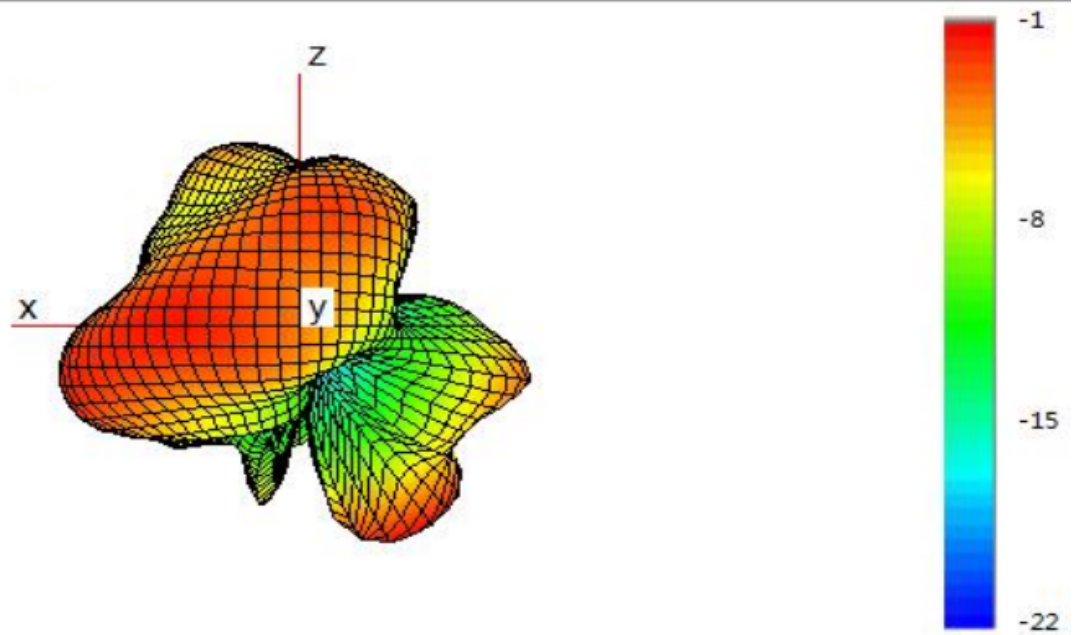
4.2) 3D gain pattern

(e) 3D gain pattern, X+



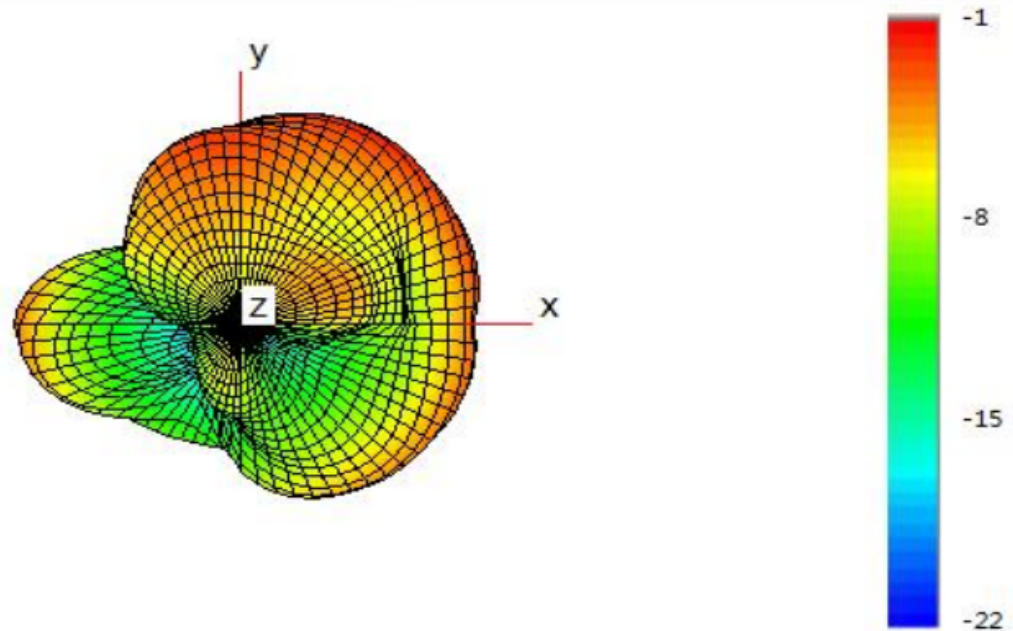
(f) 3D gain pattern, Y+

Channel (MHz) 2440 Y+



(g) 3D gain pattern, Z+

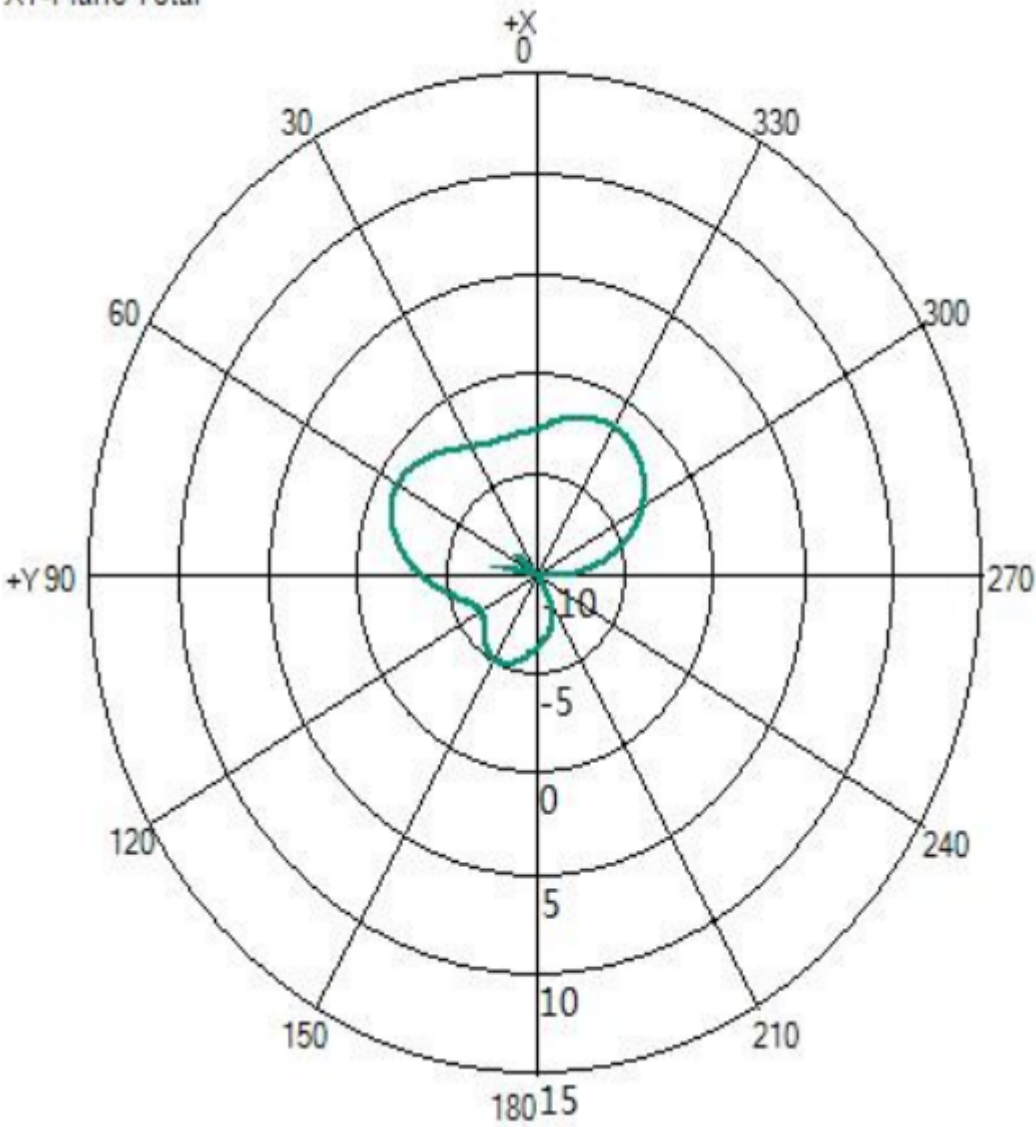
Channel (MHz) 2440 Z+



4.3) 2D gain pattern

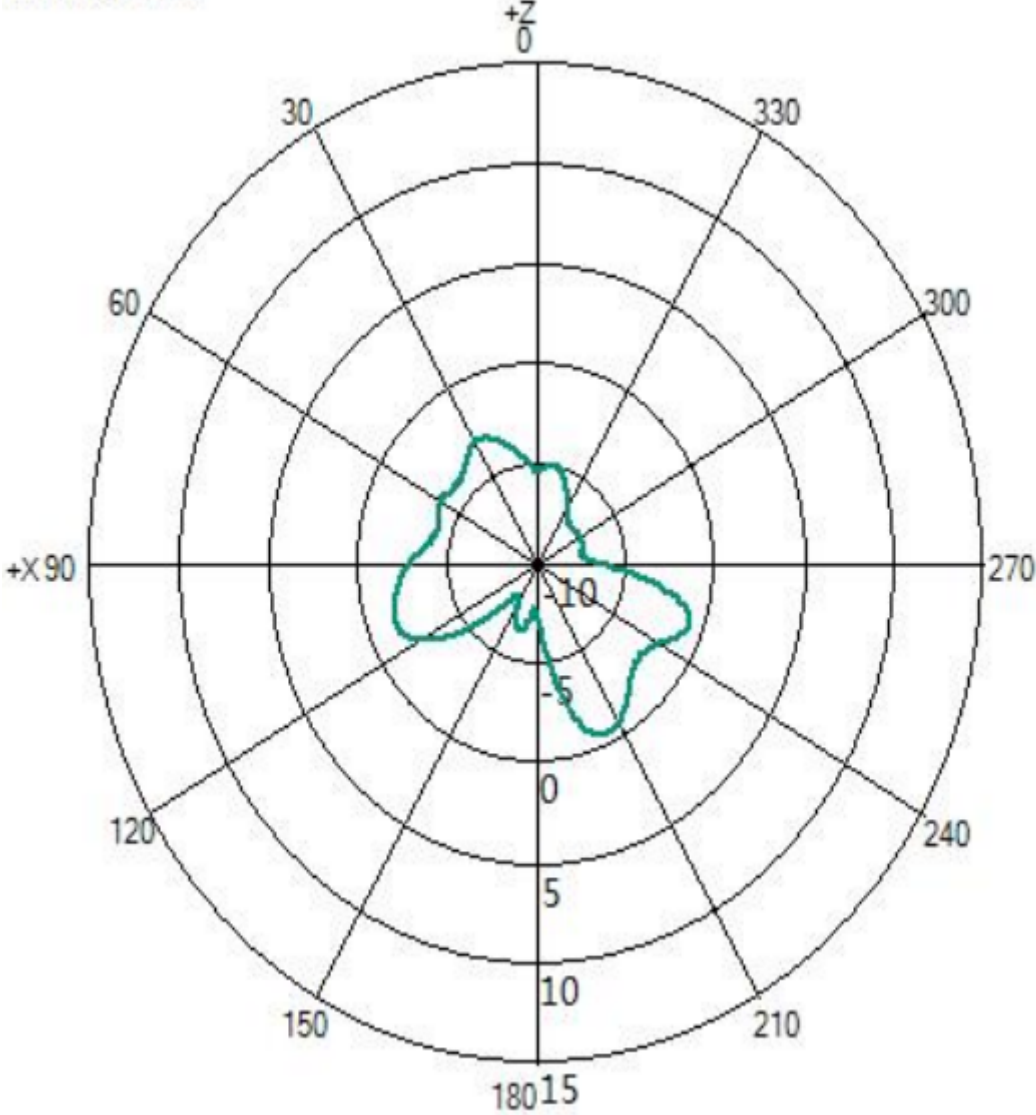
(f) 2440MHZ FPC antenna (XY-Plane)

Channel (MHz)	2440	XY-Plane	Max. (dB)	-0.94764	Ave. (dB)	-4.1381
XY-Plane Total						



(g) 2440MHZ FPC antenna (ZY-Plane)

Channel (MHz)	2440	ZX-Plane	Max. (dB)	-0.88491	Ave. (dB)	-3.80092
ZX-Plane Total						



(h) 2440MHz FPC antenna (ZX-Plane)

Channel (MHz)	2440	ZX-Plane	Max. (dB)	-0.88491	Ave. (dB)	-3.80092
ZX-Plane Total						

