

Antenna Specification

1、Electrical performance

- 1.1) Type of Antenna: External antenna
- 1.2) Frequency range: 2400MHz ~ 2500MHz
- 1.3) Gain: 4.01dBi
- 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: DFW910
- 1.10) Manufacturer: Shenzhen Dongfeng Chang Technology Co., LTD
- 1.11) address: 3rd Floor, No. 3, Wataokeng 1st Road, Wulian Community, Longgang Subdistrict, Longgang District, Shenzhen City

2、Antenna graph



(a) External antenna

3、 Network analyzer graph



(b) Return Loss



(c) VSWR



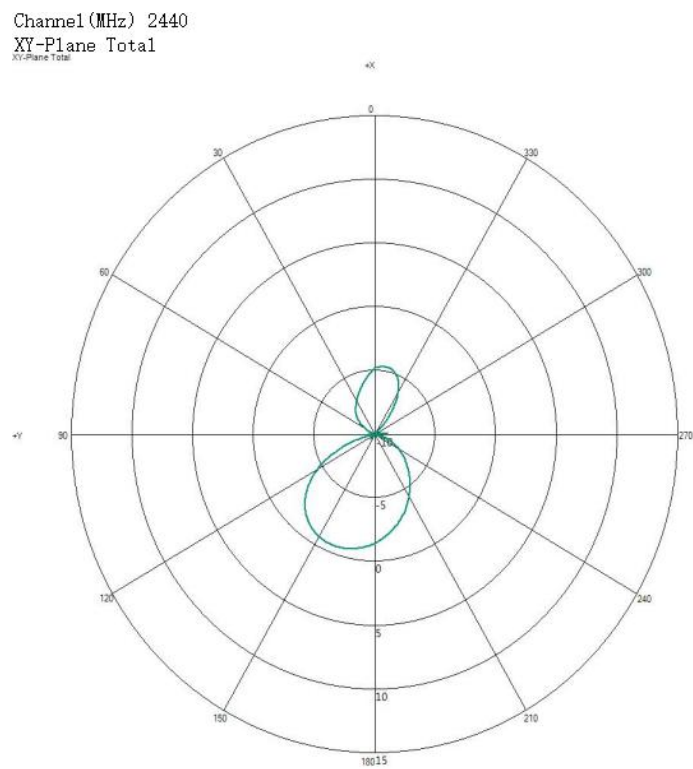
(d) Smith Cha

4、 Gain pattern

4.1) Gain chart

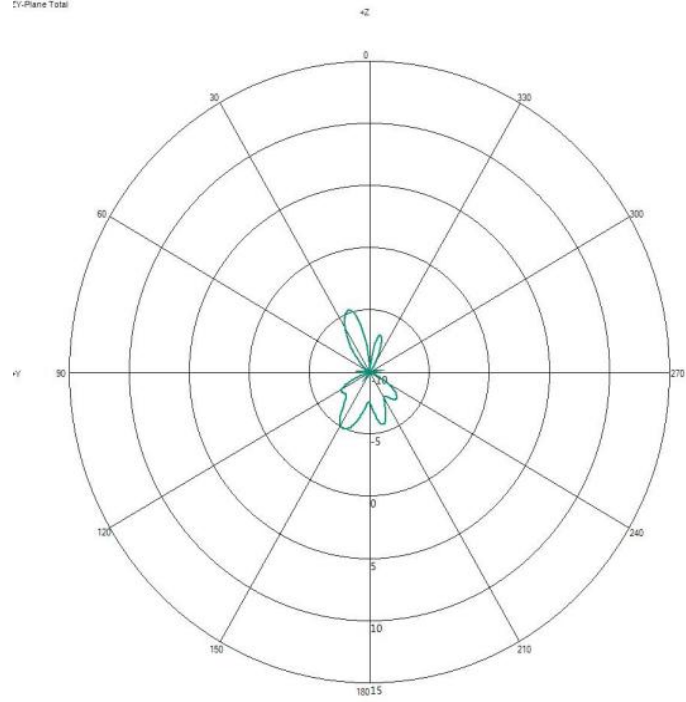
Freq(MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	3.14	-5.55	29.56
2410	3.48	-5.14	29.03
2420	3.63	-4.88	31.26
2430	3.84	-5.63	27.86
2440	4.01	-5.30	30.61
2450	3.14	-5.18	32.50
2460	2.53	-5.57	29.54
2470	2.78	-5.17	30.35
2480	2.79	-5.04	27.75
2490	2.42	-5.20	30.42
2500	2.66	-6.02	31.34

4.2) 2D gain pattern



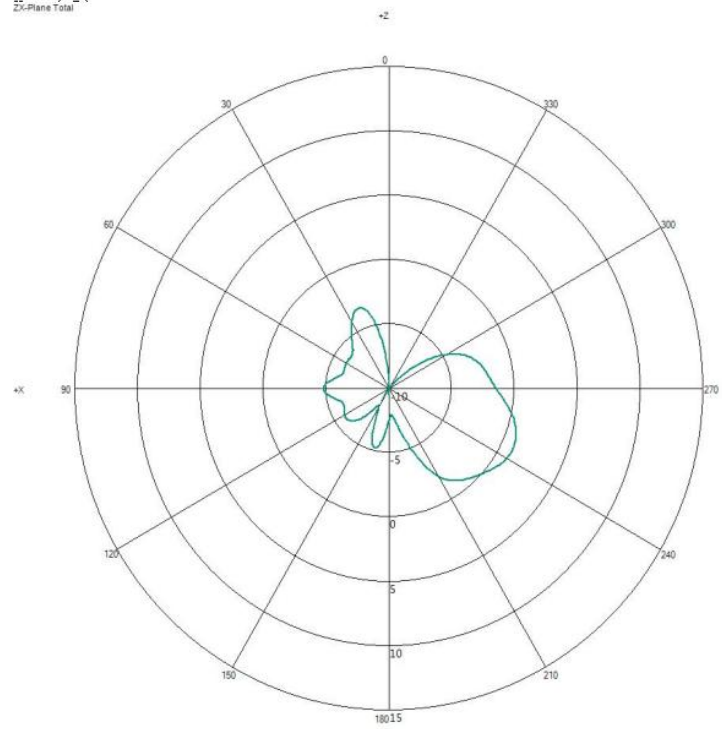
(f) 2440MHZ antenna (XY-Plane)

Channel (MHz) 2440
ZY-Plane Total



(g) 2440MHZ antenna (ZY-Plane)

Channel (MHz) 2440
ZX-Plane Total



(h) 2440MHZ antenna (ZX-Plane)