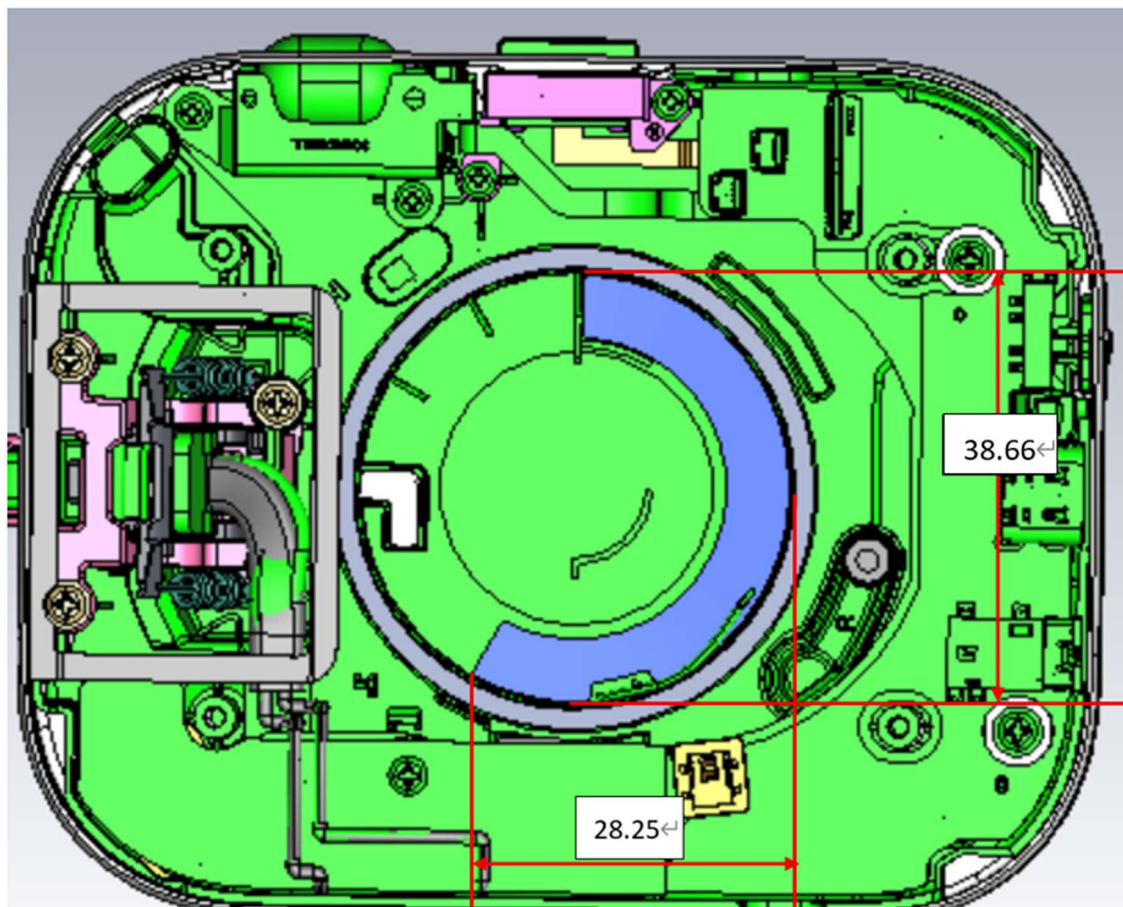


1. Antenna Information

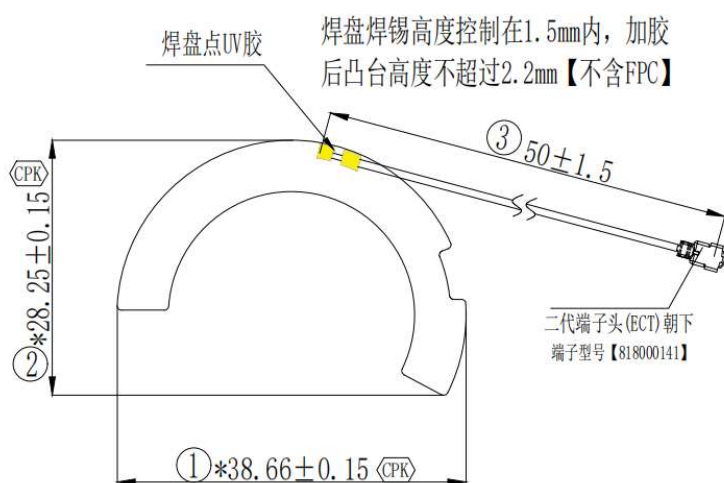
Antenna Manufacturer	Shenzhen DaXian Technology Co., Ltd.
Manufacturer Address	Buji Town, Longgang District, Shenzhen, China Jihua Road 513, Shangshuijing Village (opposite the national defense training base) Dacheng Industrial Park, Building 7 °
Antenna Type	FPC + coaxial line
Antenna Model	12-5221X-023
Antenna Frequency Range	2400 - 2500 MHz
Antenna Gain	-0.86 dBi
Antenna Polarity	Linear polarization
Antenna Size	38.66mm(L)x28.25mm(W) x 0.2mm (H)
Test Laboratory	Shenzhen DaXian Technology Co., Ltd.
Laboratory Address	Buji Town, Longgang District, Shenzhen, China Jihua Road 513, Shangshuijing Village (opposite the national defense training base) Dacheng Industrial Park, Building 7 °

2. Antenna Location



FPC Antenna

38.66mm(L)x28.25mm(W)



3. Test Equipment & Conditions

3.1 Test instrument

VSWR is tested using Agilent E5071C connected to a hand mechanism, and the status is free space.

3.2 Test environment and methods

Dark room specifications: GTS1800/SATIMO SG24

SCDMA test equipment: CMW500

LTE-TDD/FDD-SCDMA test equipment: CMW500

WCDMA/GSM/CDMA test equipment: CMW500

Passive efficiency testing equipment: Agilent E5071C



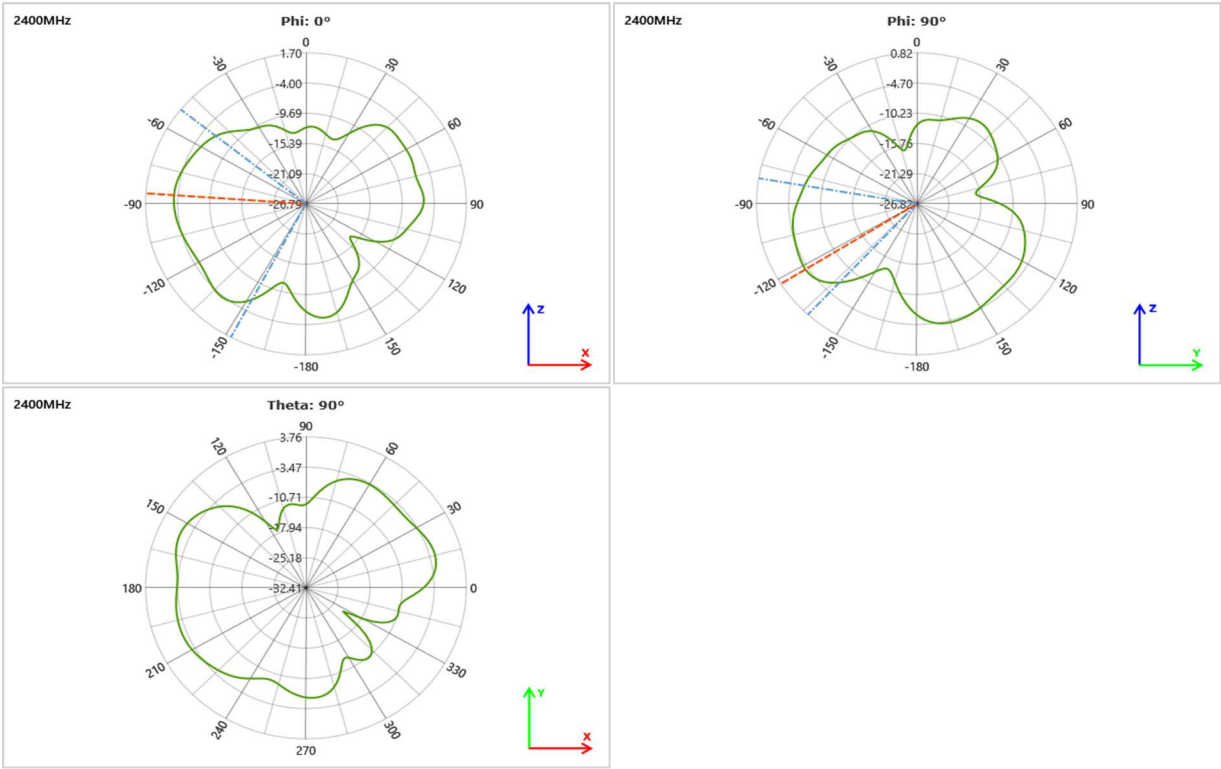
4. Antenna Gain

Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-1.1	-5.94	25.48
2410	-1.1	-5.72	26.8
2420	-0.96	-5.49	28.26
2430	-0.86	-5.34	29.27
2440	-0.88	-5.24	29.91
2450	-0.91	-5.18	30.34
2460	-1.1	-5.28	29.63
2470	-1.2	-5.39	28.9
2480	-1.8	-5.75	26.59
2490	-2.43	-6.26	23.67
2500	-3	-7.37	18.31

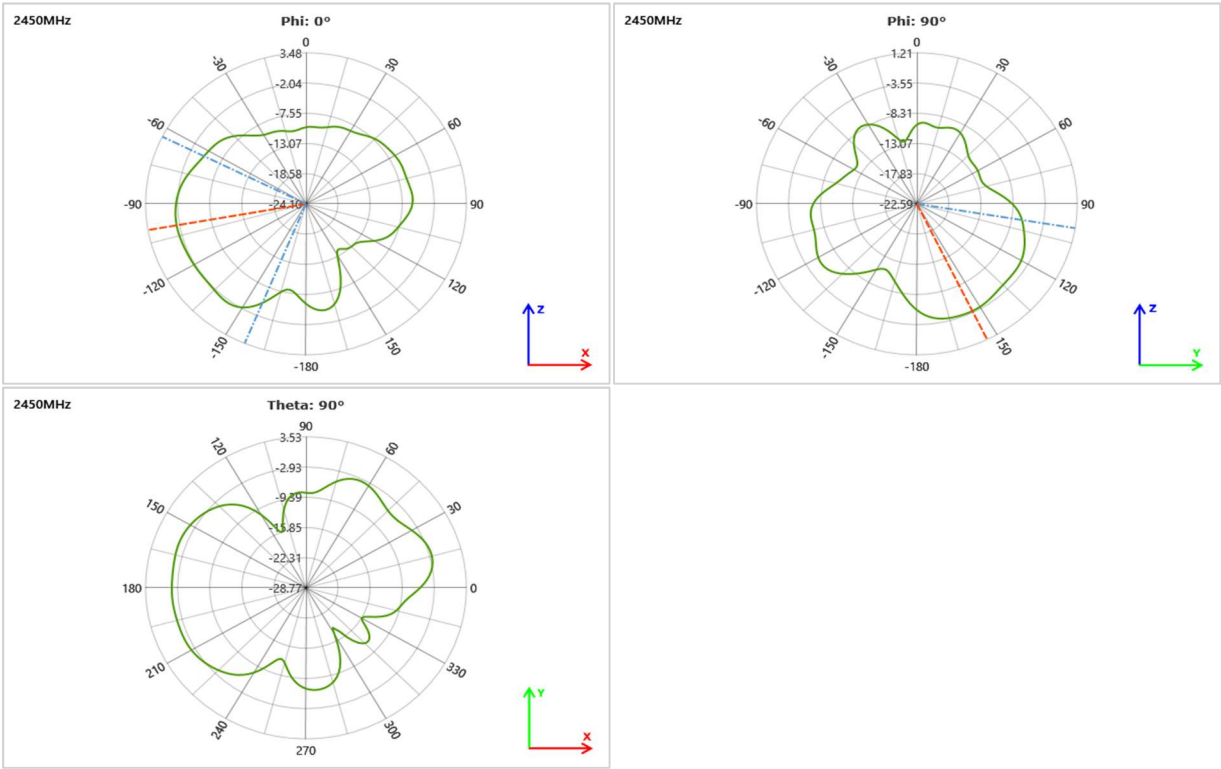
5. Antenna Radiation Pattern



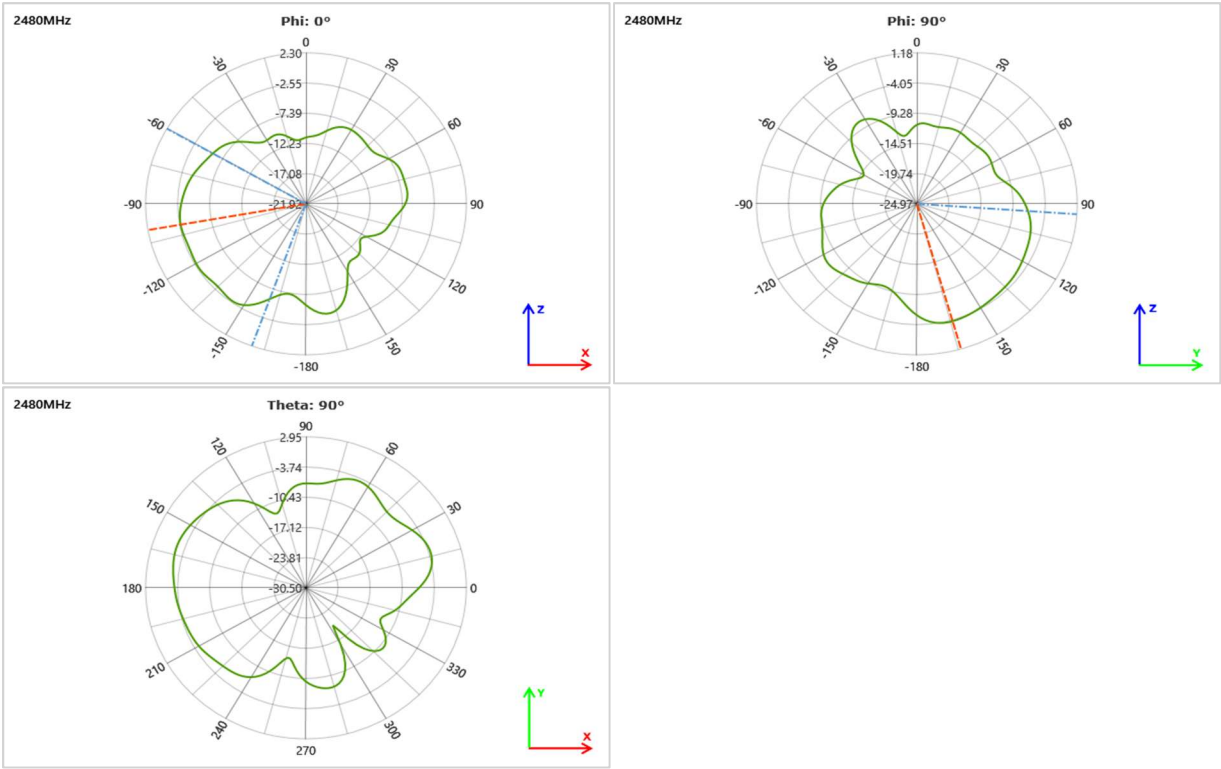
2400 MHz



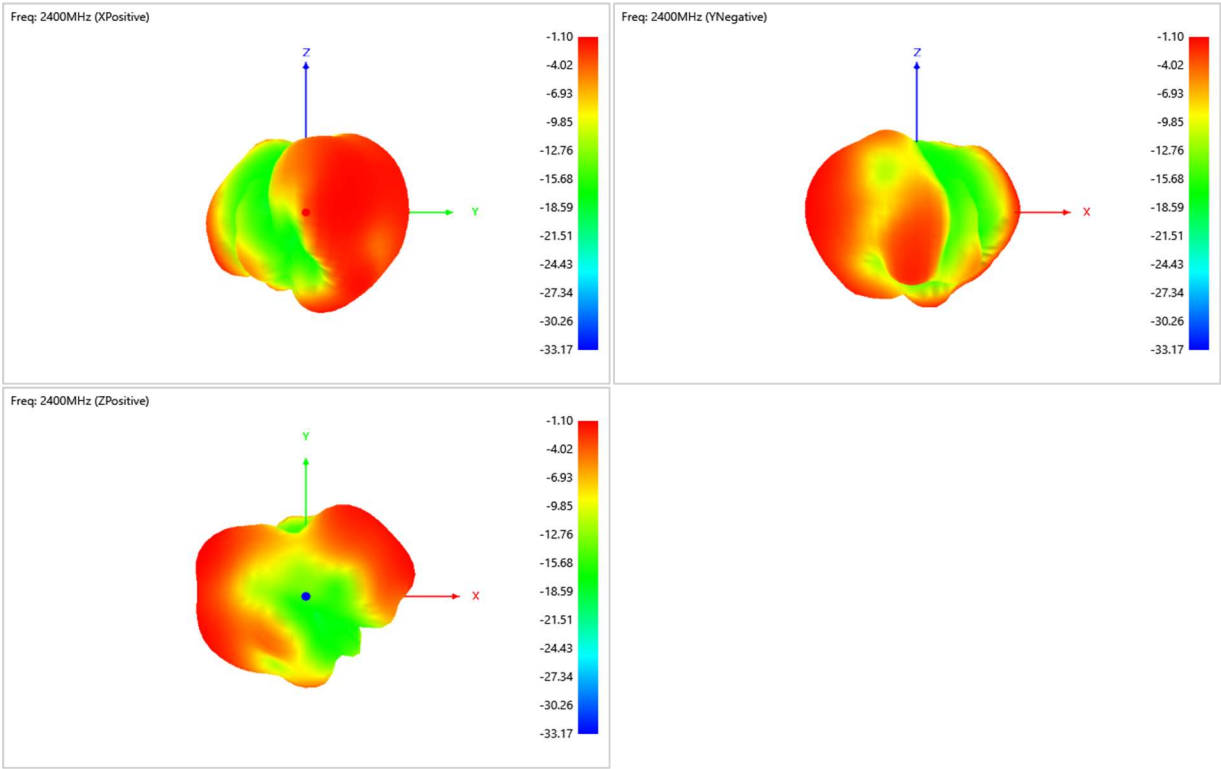
2450 MHz



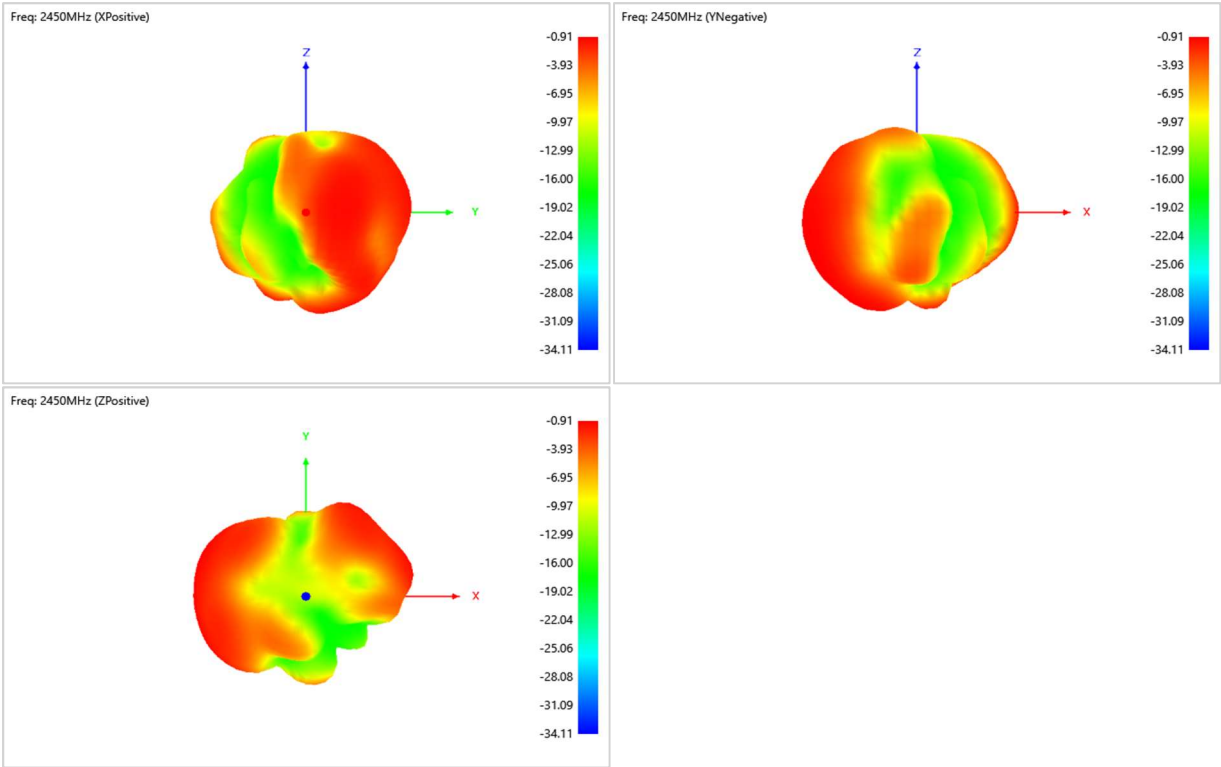
2480 MHz



2400 MHz



2450 MHz



2480 MHz

