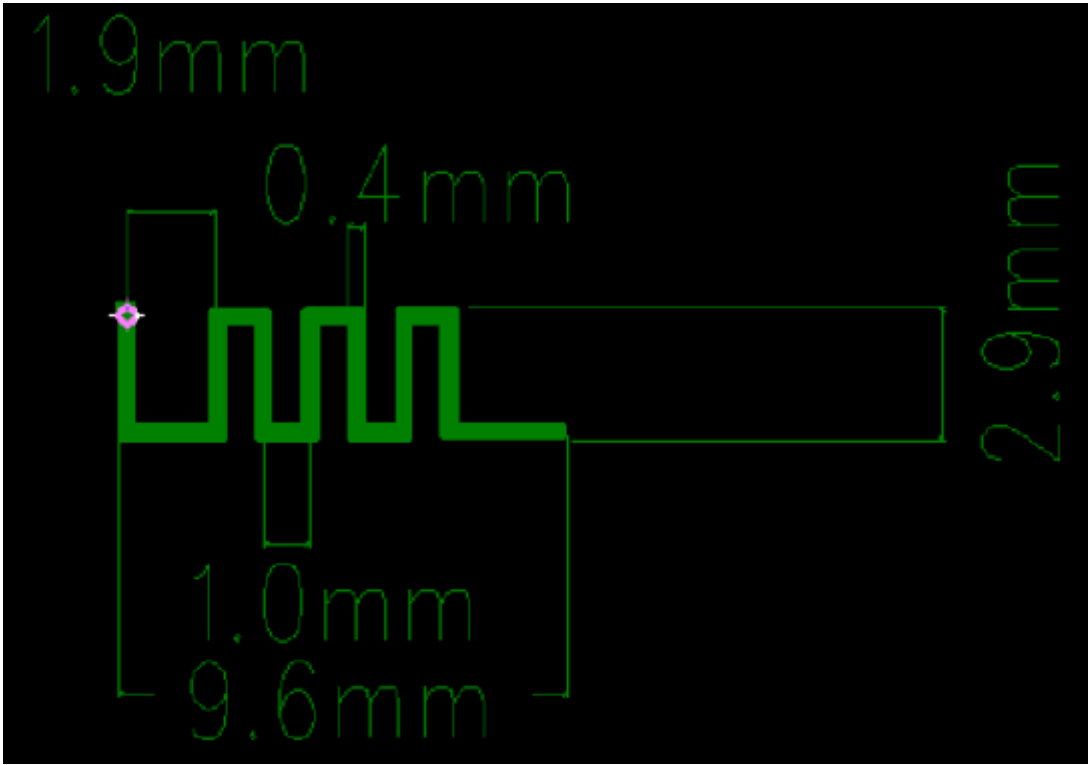


Antenna Specification

Summary

Item	ANT SPEC
Model Name	2.4G ANT
MAX. Gain	-0.97dBi
Polarization	Horizontal and Vertical
Azimuth Beam Pattern	Omni-directional
Manufacture	深圳嘉立创科技集团股份有限公司. Shenzhen Jialichuang Technology Group Co., LTD

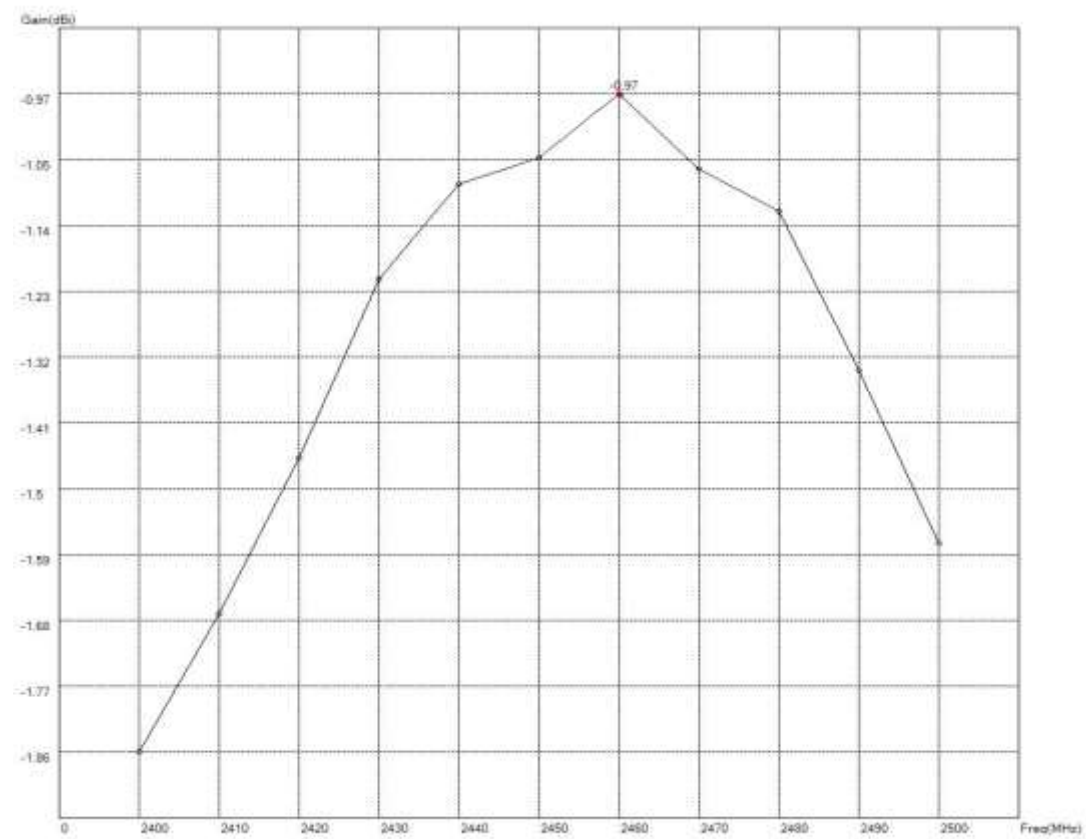
Antenna Photo & Length (mm)



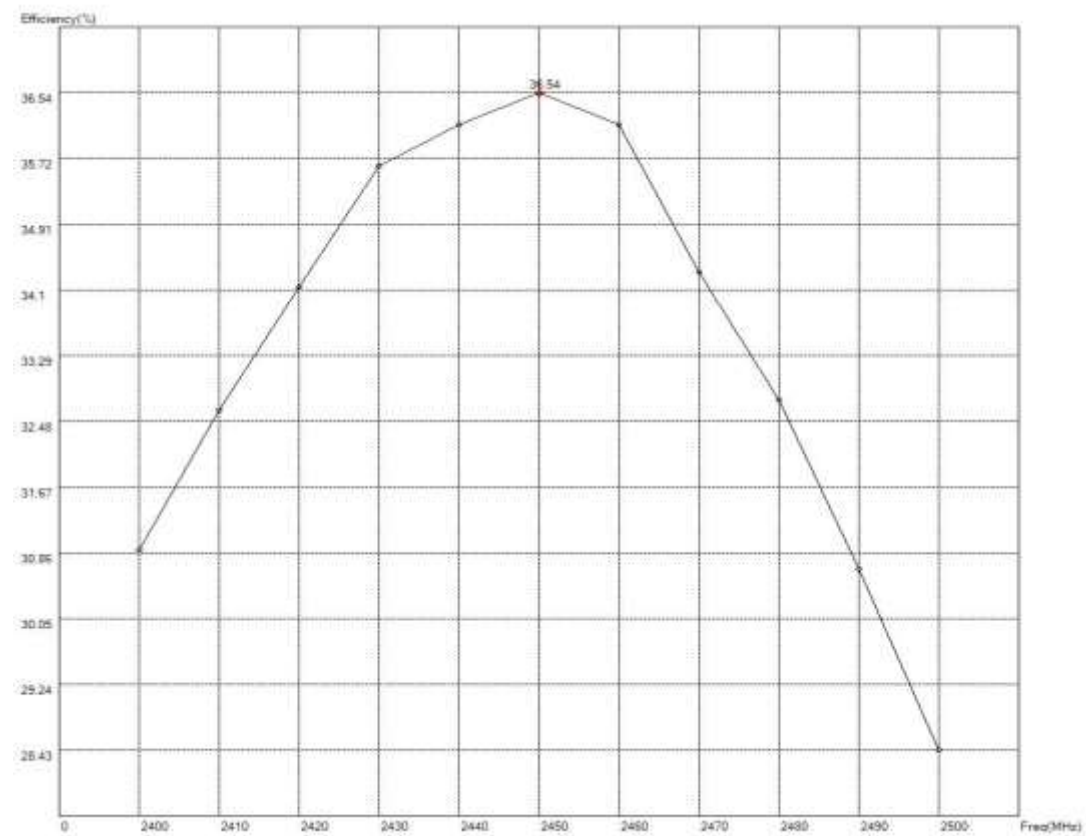
Antenna efficiency and gain

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-1.855224675	-5.099765554	30.90462261
2410	-1.668321237	-4.864940406	32.62165268
2420	-1.458898965	-4.667320449	34.1403489
2430	-1.217296032	-4.481436681	35.6333236
2440	-1.089604929	-4.419946409	36.14143224
2450	-1.053610526	-4.372501597	36.53842646
2460	-0.967970157	-4.419875941	36.14201867
2470	-1.069887906	-4.642990044	34.33214955
2480	-1.125897244	-4.847733309	32.75115867
2490	-1.34099506	-5.133437718	30.66593623
2500	-1.574435668	-5.461654889	28.43377425

Gain-Plane



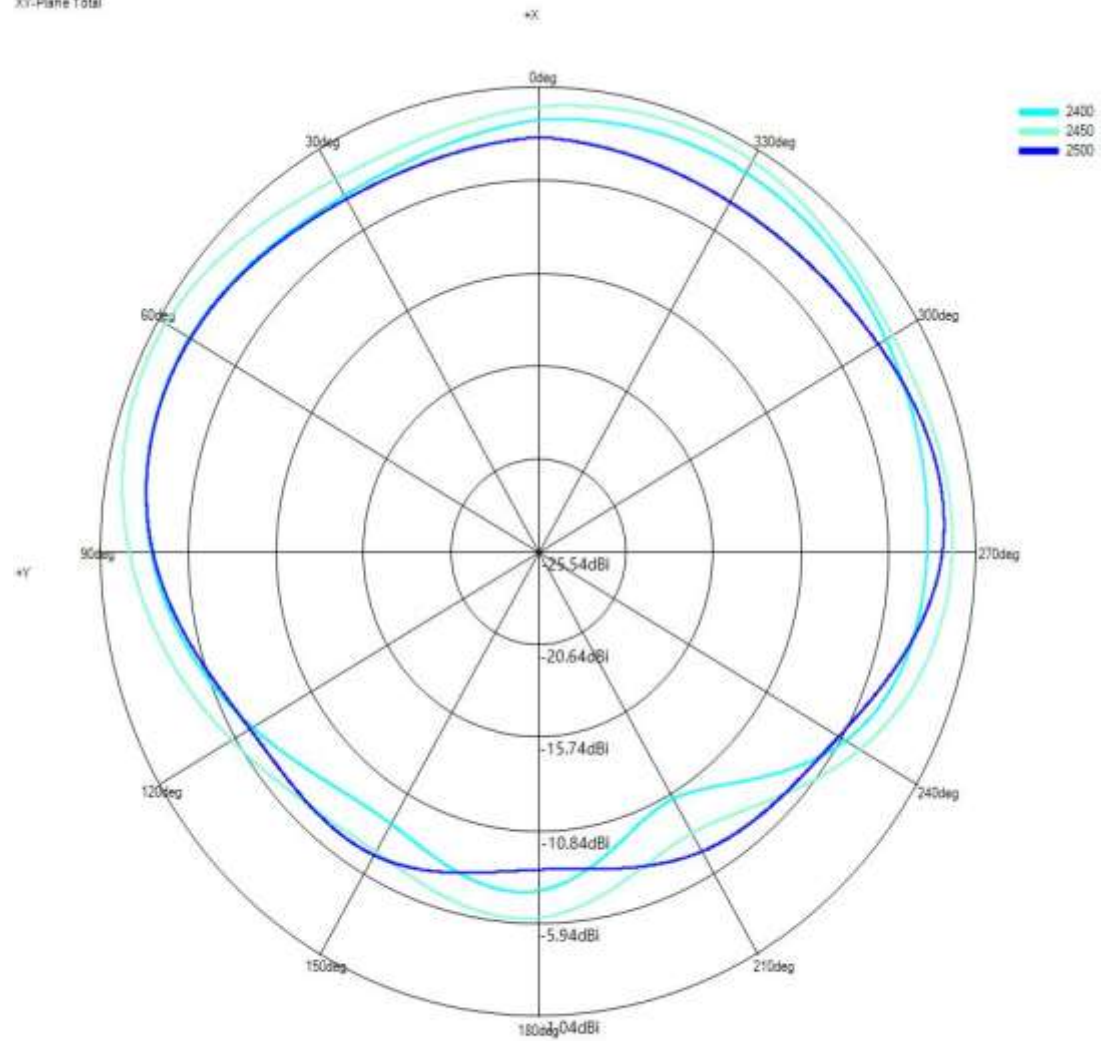
Efficiency-Plane



XY-Plane Total

Freq(MHz)	Max.	Ave.	Min.
2400	-2.39977	-4.54443	-10.5269
2450	-1.40119	-3.469	-8.43297
2500	-2.95096	-4.74039	-8.80639

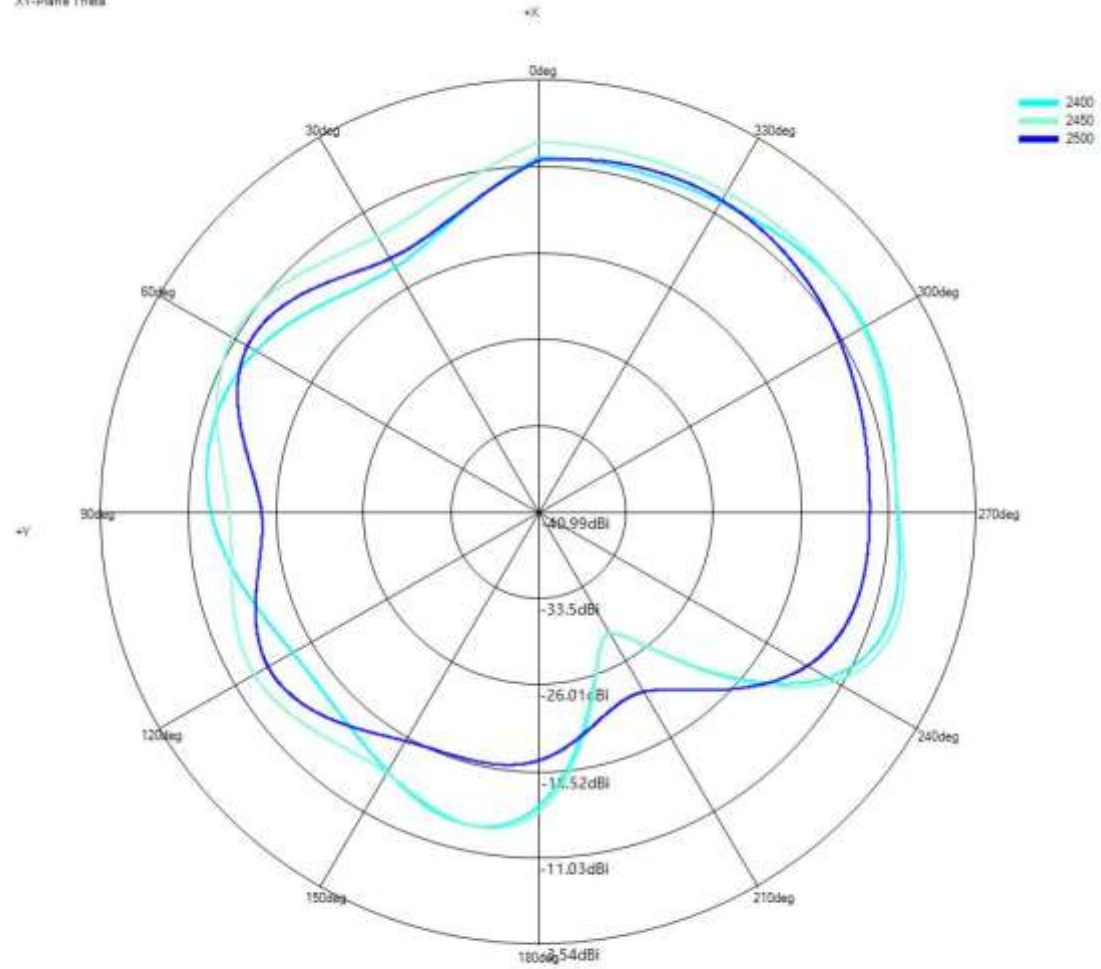
XY-Plane Total



XY-Plane Theta

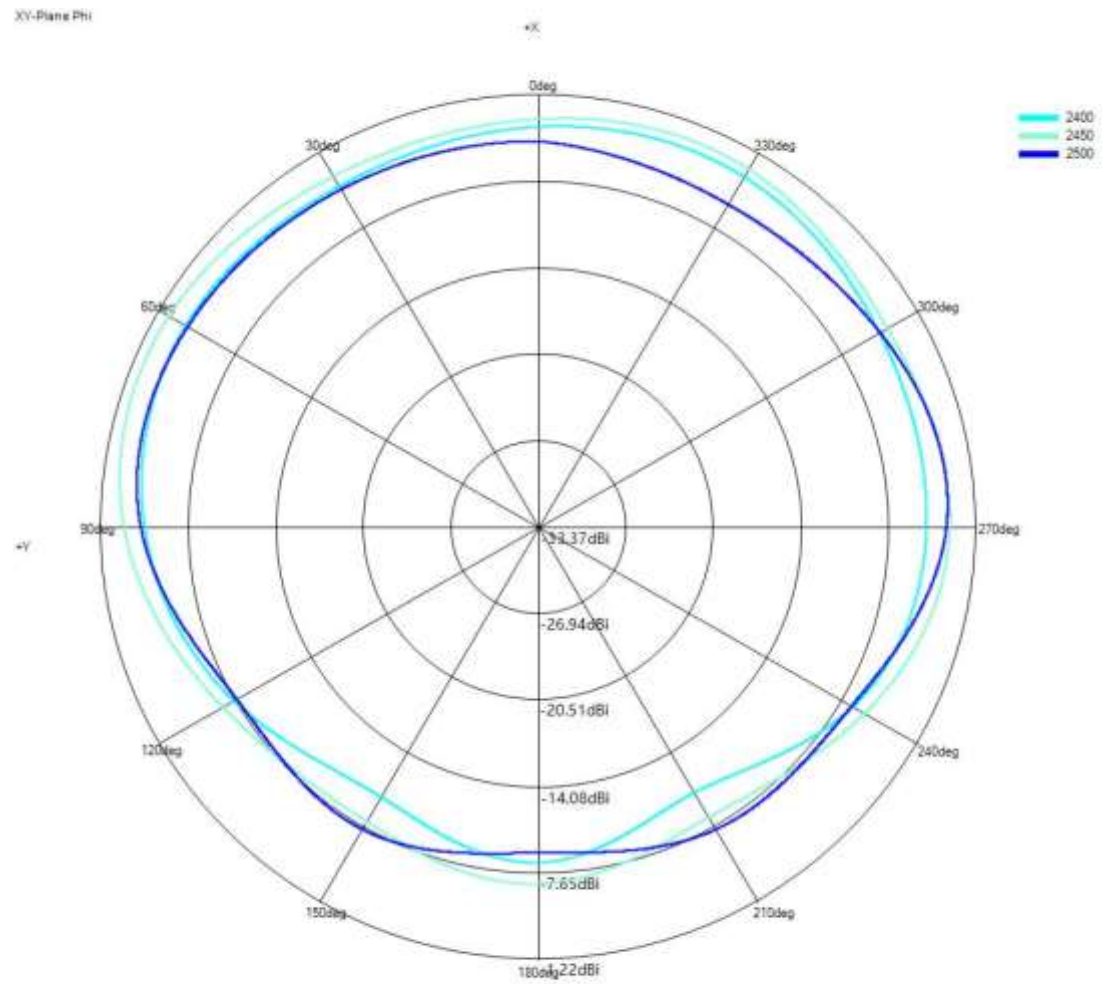
Freq(MHz)	Max.	Ave.	Min.
2400	-8.76821	-12.4326	-28.9117
2450	-8.90291	-11.614	-28.9528
2500	-9.73615	-13.488	-23.0666

XY-Plane Theta



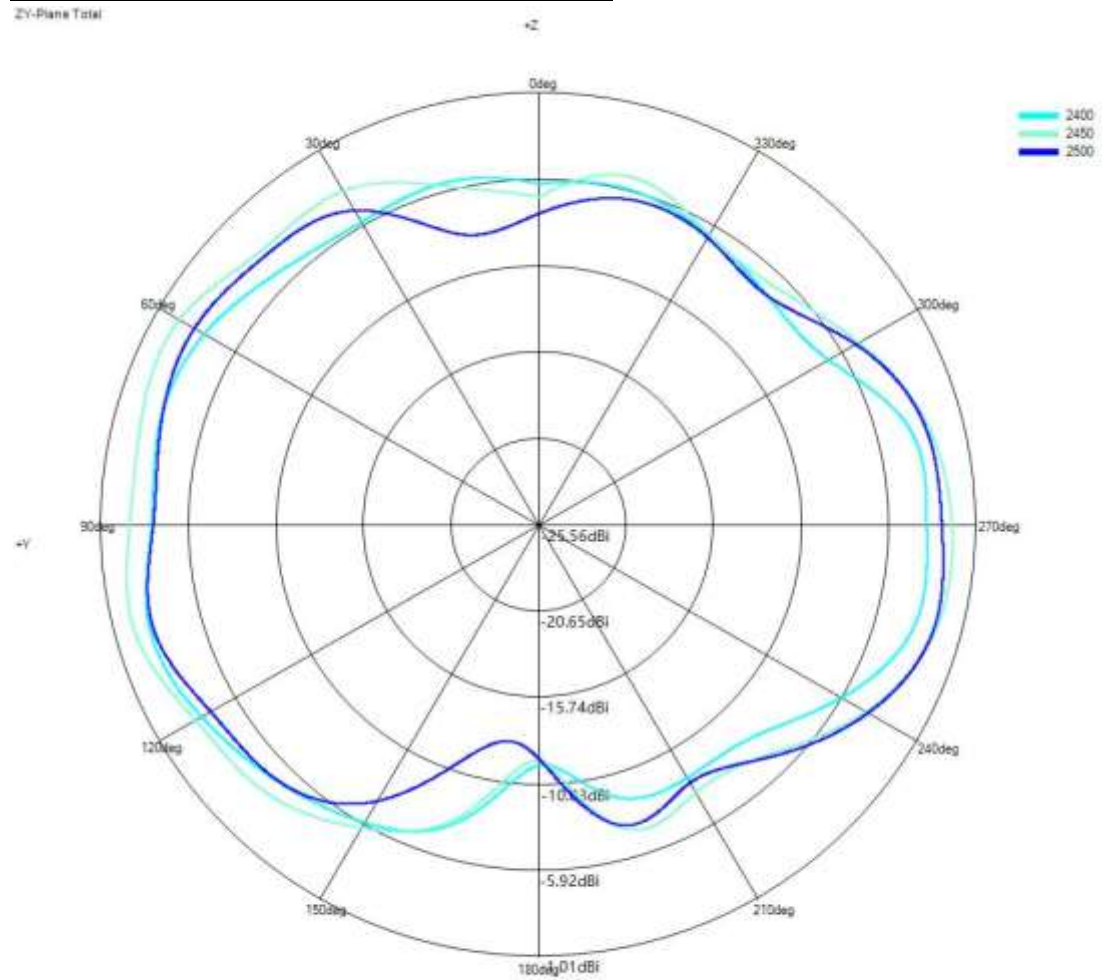
XY-Plane Phi

Freq(MHz)	Max.	Ave.	Min.
2400	-3.24073	-5.31522	-10.5904
2450	-1.94475	-4.19162	-8.47167
2500	-3.43863	-5.36233	-9.19083



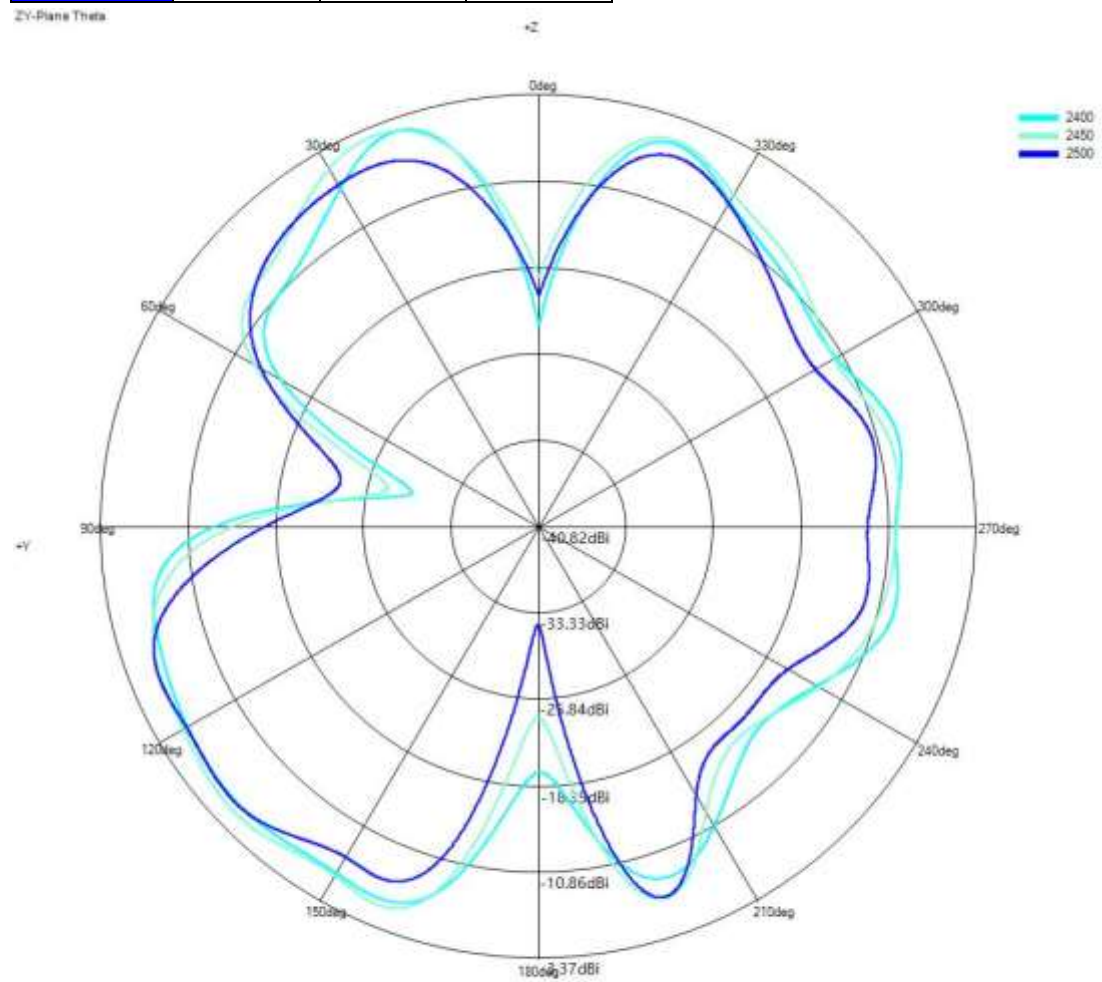
ZY-Plane Total

Freq(MHz)	Max.	Ave.	Min.
2400	-2.93851	-5.24285	-11.8952
2450	-2.0851	-4.25698	-12.1067
2500	-2.63541	-5.01962	-12.2695



ZY-Plane Theta

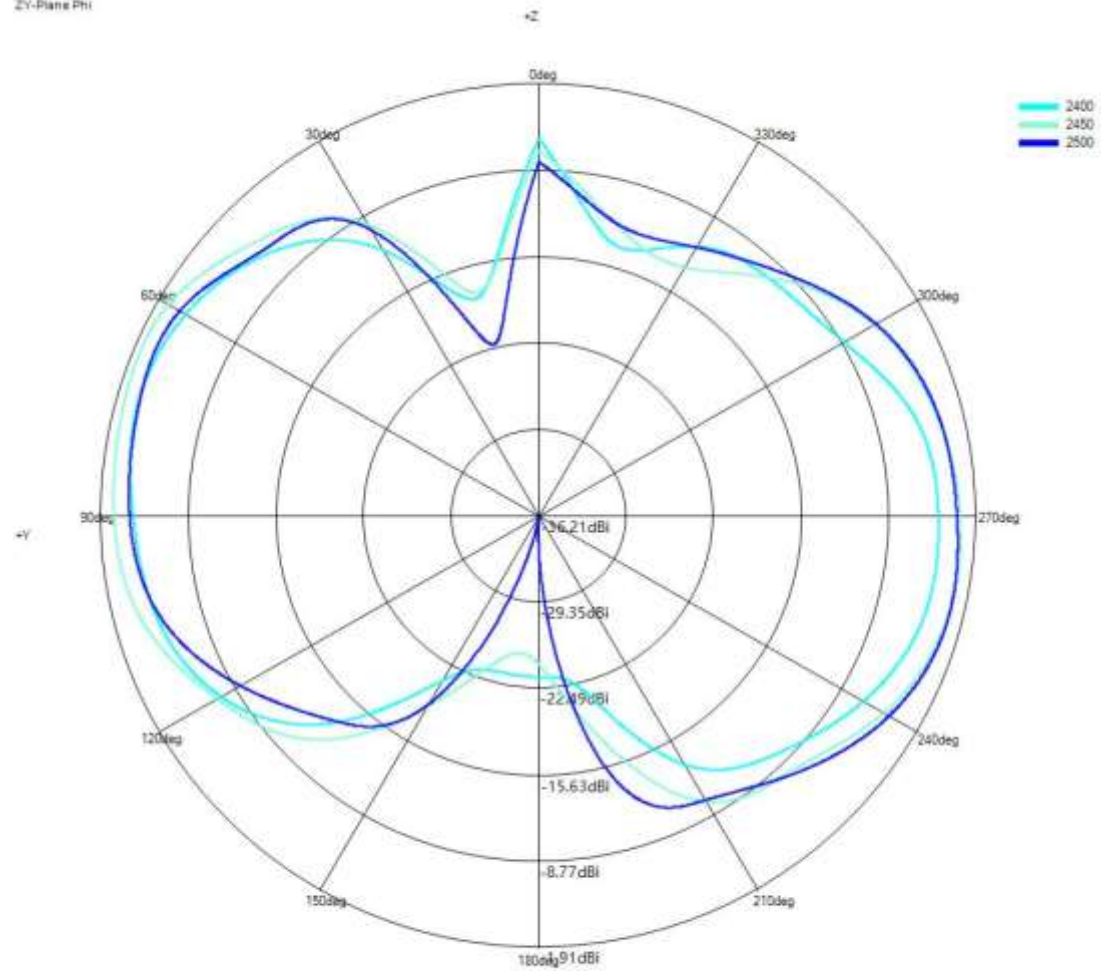
Freq(MHz)	Max.	Ave.	Min.
2400	-5.62505	-9.23502	-29.4998
2450	-4.91293	-8.72295	-27.4126
2500	-5.63391	-9.94225	-32.2681



ZY-Plane Phi

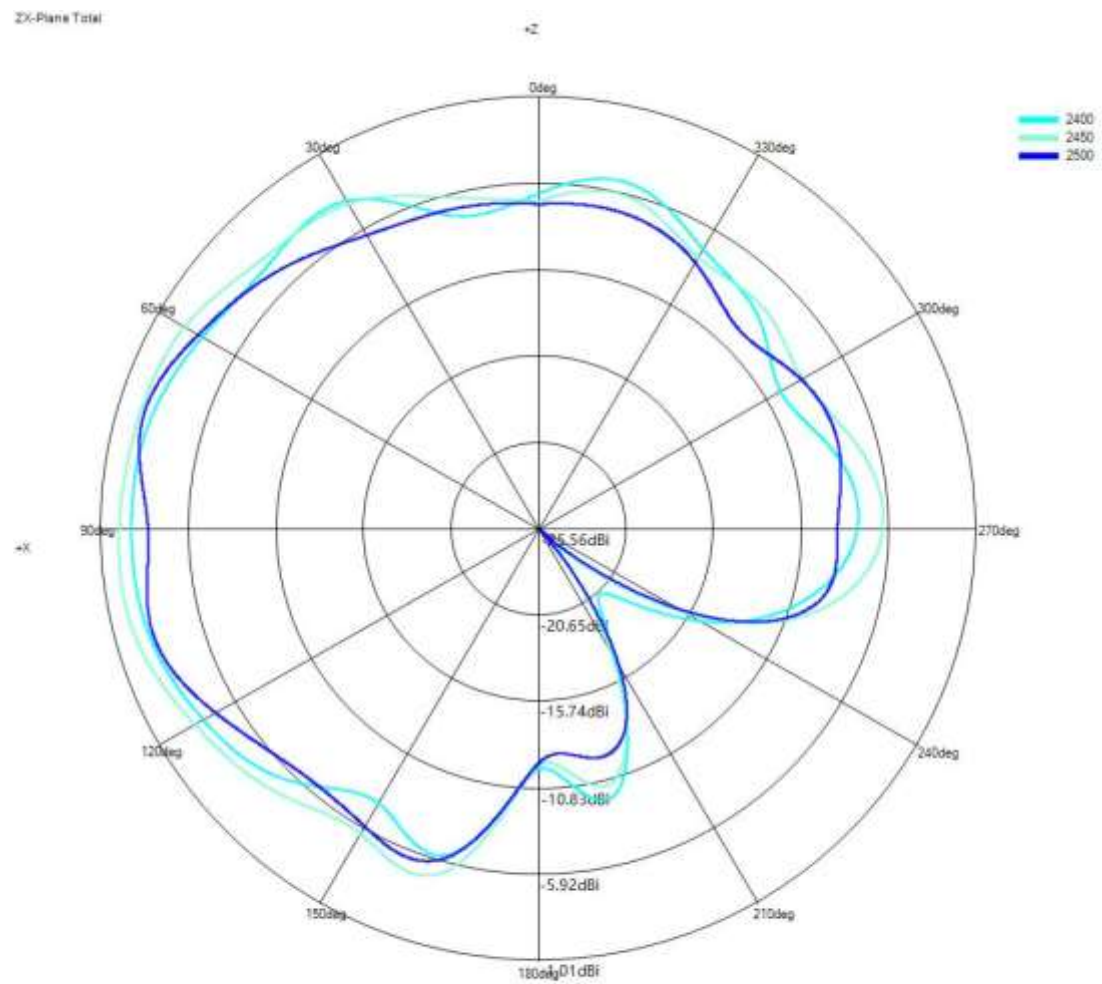
Freq(MHz)	Max.	Ave.	Min.
2400	-3.51917	-7.45284	-23.4426
2450	-2.4707	-6.17896	-24.427
2500	-3.12777	-6.70676	-33.2434

ZY-Plane Phi



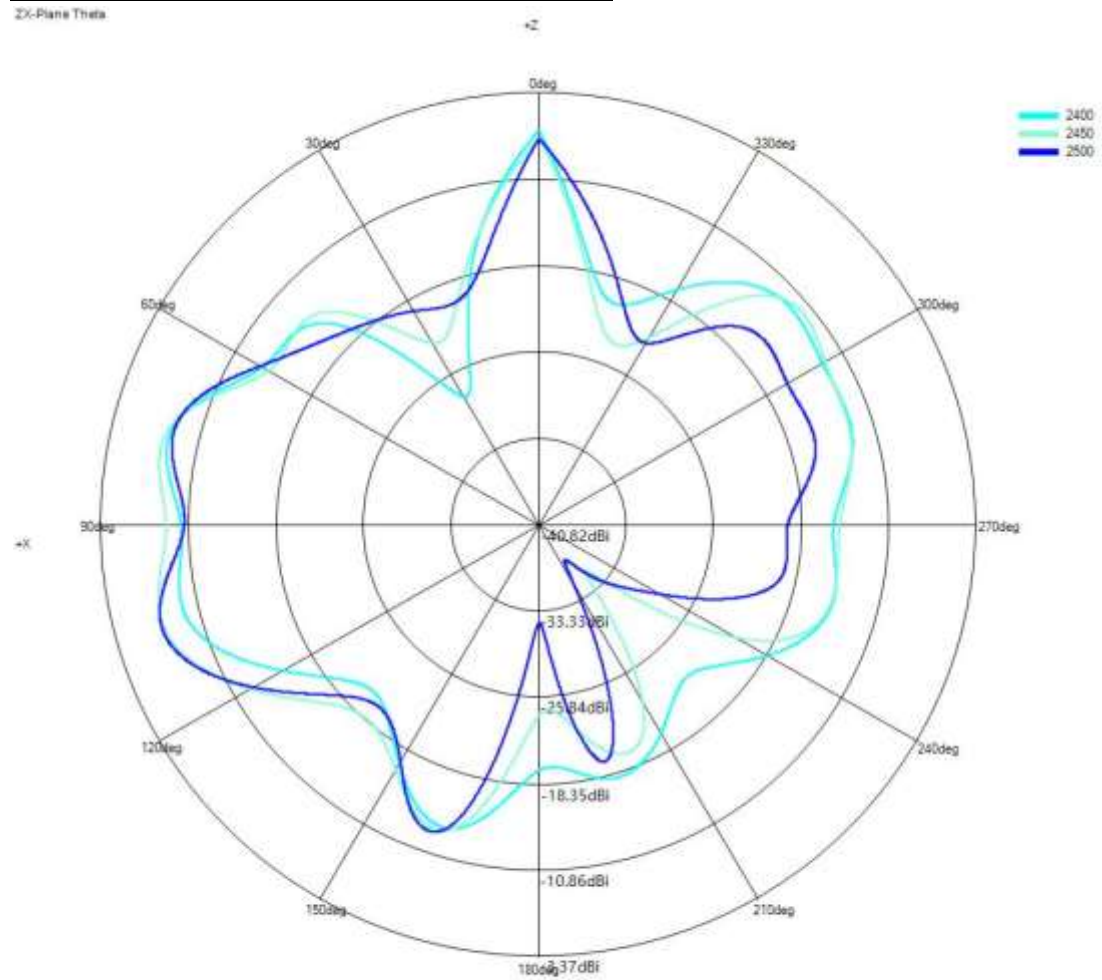
ZX-Plane Total

Freq(MHz)	Max.	Ave.	Min.
2400	-2.69763	-6.12505	-20.4132
2450	-2.00579	-5.56622	-24.4337
2500	-2.4663	-6.57713	-25.5457



ZX-Plane Theta

Freq(MHz)	Max.	Ave.	Min.
2400	-6.57001	-12.7122	-27.965
2450	-7.20351	-12.4913	-35.2212
2500	-7.27376	-13.2274	-34.7233



ZX-Plane Phi

Freq(MHz)	Max.	Ave.	Min.
2400	-3.54962	-7.2009	-24.5678
2450	-2.90801	-6.55161	-24.8119
2500	-3.70188	-7.63541	-33.2434

