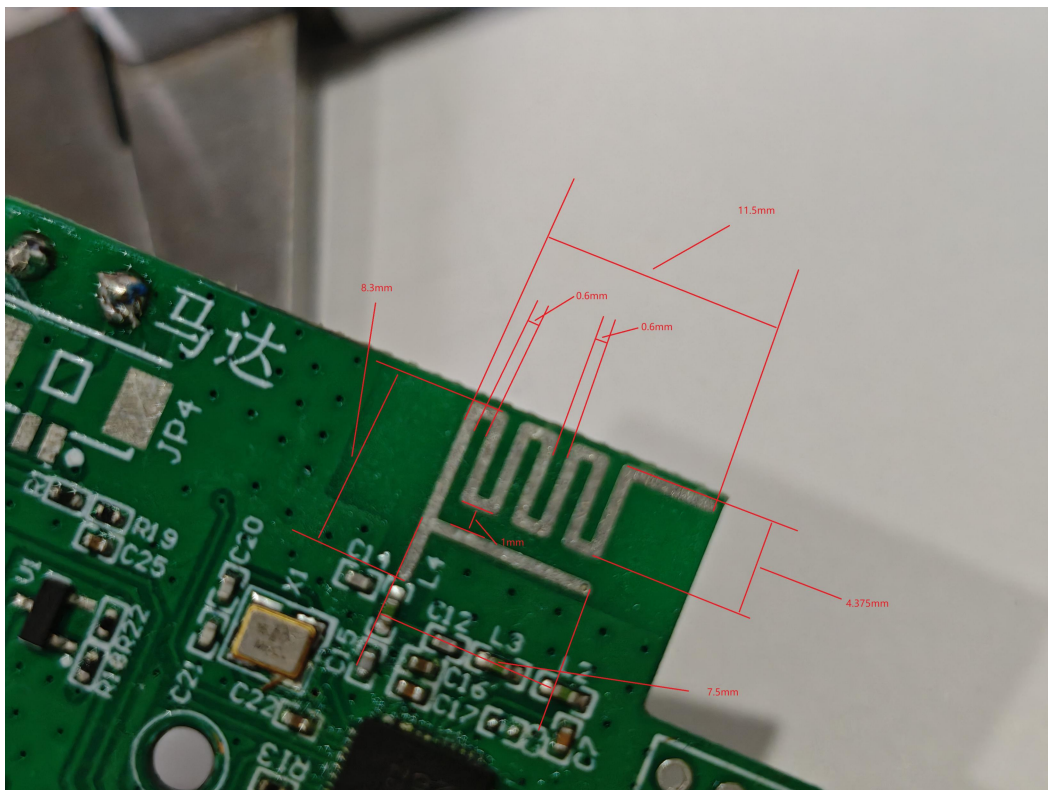


Antenna Specification

Product	:	PCB ANT
Model Name	:	1035BK
Manufacture	:	Shenzhen Hasware Technology Development Co.,Ltd
Test Item	:	Antenna gain; Radiation pattern and efficiency
Antenna Type	:	PCB Antenna
Frequency Range	:	2400MHz-2500MHz

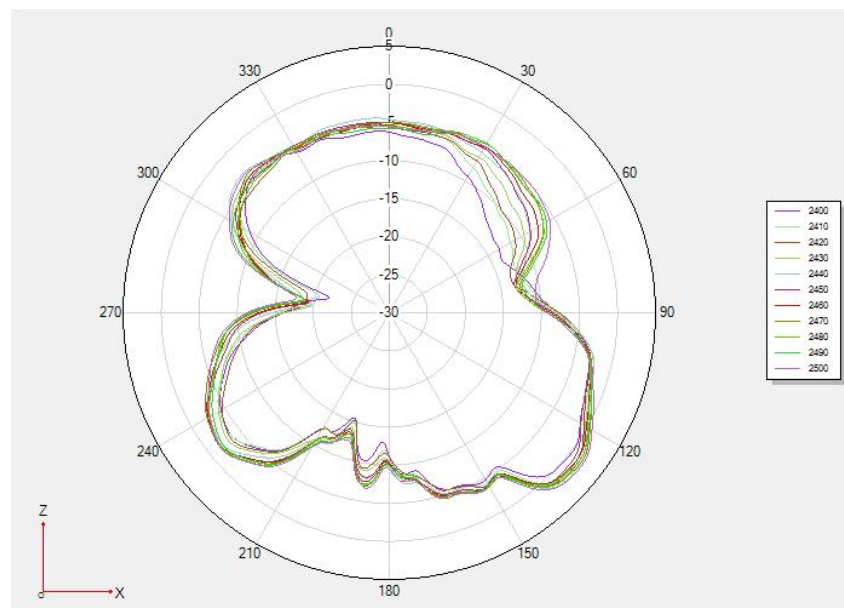


Test Data

Frequency/MHz	Efficiency / dB	Efficiency / %	Max Gain/dBi	Avg Gain/dBi
2400	-3.84	41.30	3.25	-3.84
2410	-3.24	47.42	4.03	-3.24
2420	-3.13	48.64	4.30	-3.13
2430	-2.75	53.09	4.44	-2.75
2440	-2.33	58.48	4.54	-2.33
2450	-2.39	57.68	4.26	-2.39
2460	-2.43	57.15	4.21	-2.43
2470	-2.21	60.12	4.32	-2.21
2480	-2.19	60.39	4.12	-2.19
2490	-2.25	59.57	3.79	-2.25
2500	-2.10	61.66	3.74	-2.10

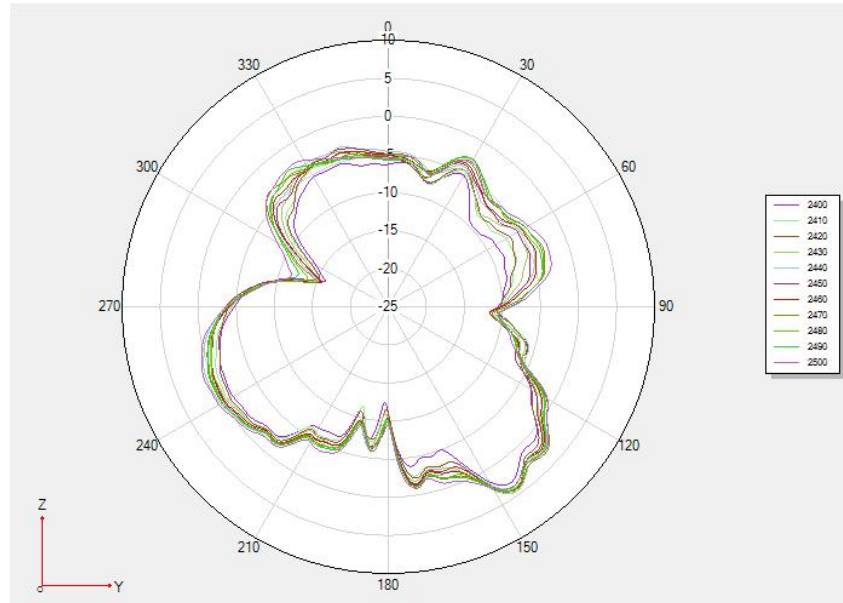
(1) X-Z Plane:

V Phi=0



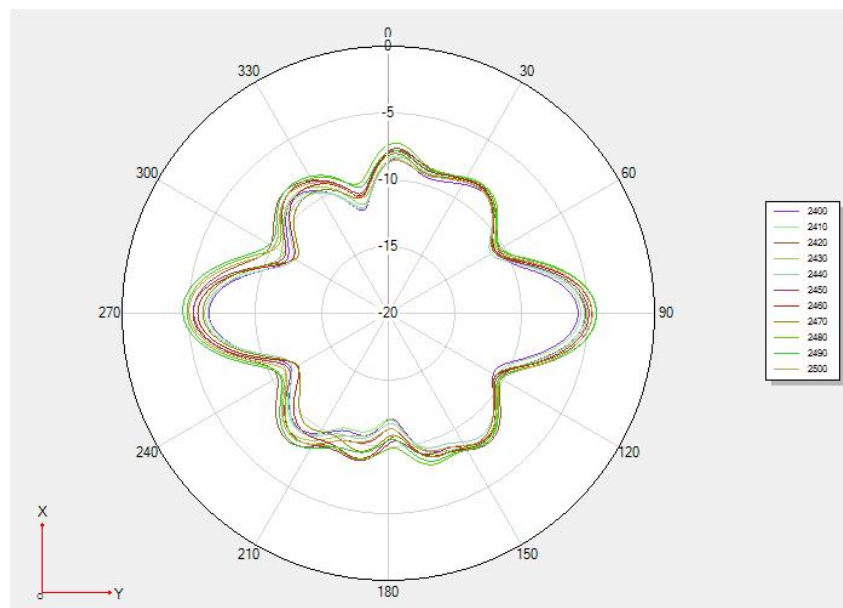
(2) Y-Z Plane:

V Phi=90

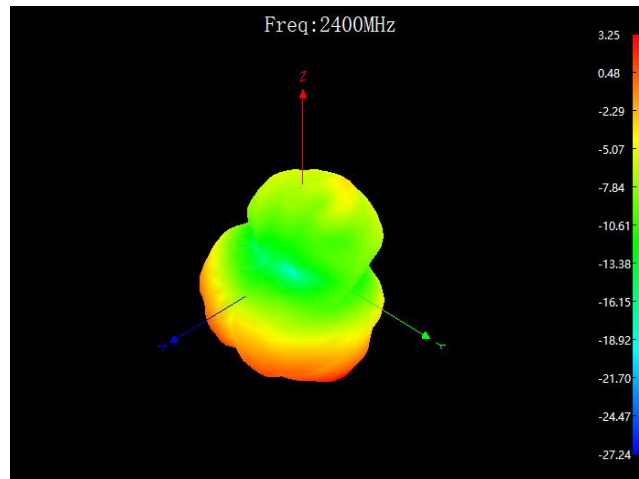


(3)X-Y Plane:

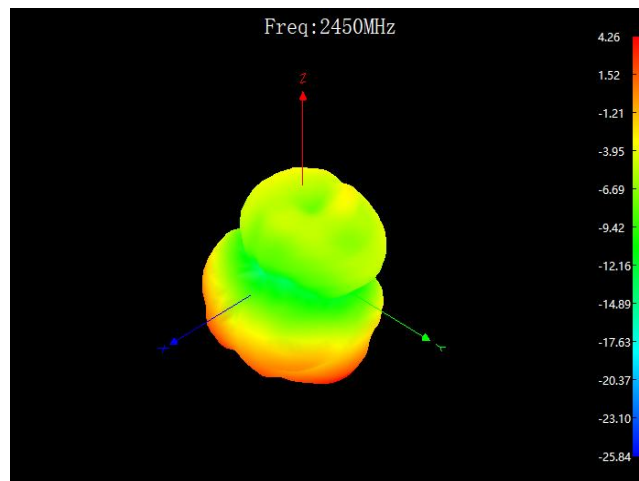
H Theta=90



3D Pattern for 2400MHz



3D Pattern for 2450MHz



3D Pattern for 2500MHz

