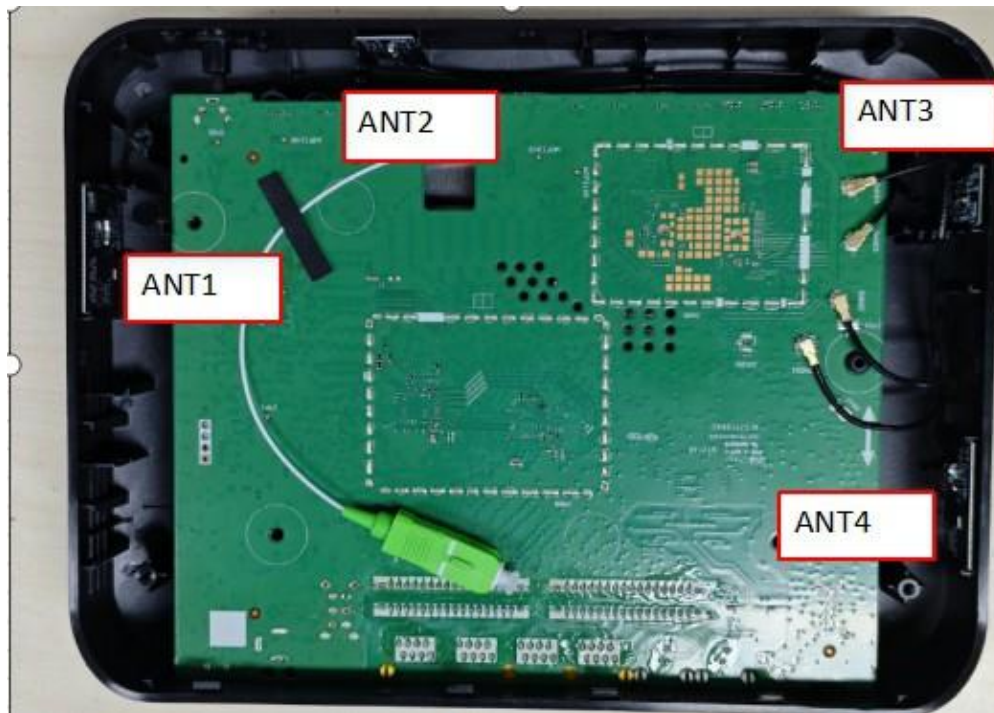


1: Antenna information

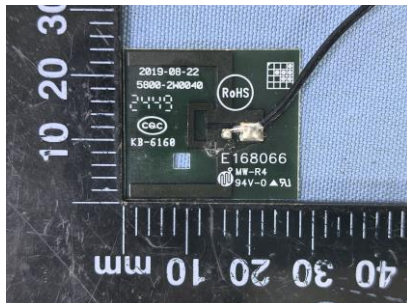
1.1 Antenna location



1.2 Antenna specification

2.4G Model: E171M591-A1

Antenna size: 28mm*24mm*0.6mm



5.8G Model: E171M541-A1

Antenna size: 24mm*12mm*0.6mm



Manufacturer: Fujian Milky-way Technology Co.,Ltd

Address: TANTOU PORT INDUSTRIAL ZONE, TANTOU TOWN, CHANGLE CITY.FUJIAN PROVINCE

2: Antenna Gain and Efficiency

2.4G Antenna Gain:

Antenna 1		
Frequency(MHz)	Gain(dBi)	Efficiency(%)
2400	2.75	55.18
2410	1.52	53.04
2420	1.41	51
2430	1.41	50.72
2440	1.32	54.14
2450	1.62	51.64
2460	1.61	56.13
2470	2.07	60.7
2480	2.13	58.01
2490	2.39	60.92
2500	2.43	63.13

Antenna 4		
Frequency(MHz)	Gain(dBi)	Efficiency(%)
2400	2.09	56.68
2410	1.64	57.28
2420	1.52	56.86
2430	1.15	55.53
2440	1.68	58.83
2450	1.77	54.72
2460	1.84	58.27
2470	1.5	60.84
2480	1.16	56.07
2490	1.04	57.81
2500	1.1	58.67

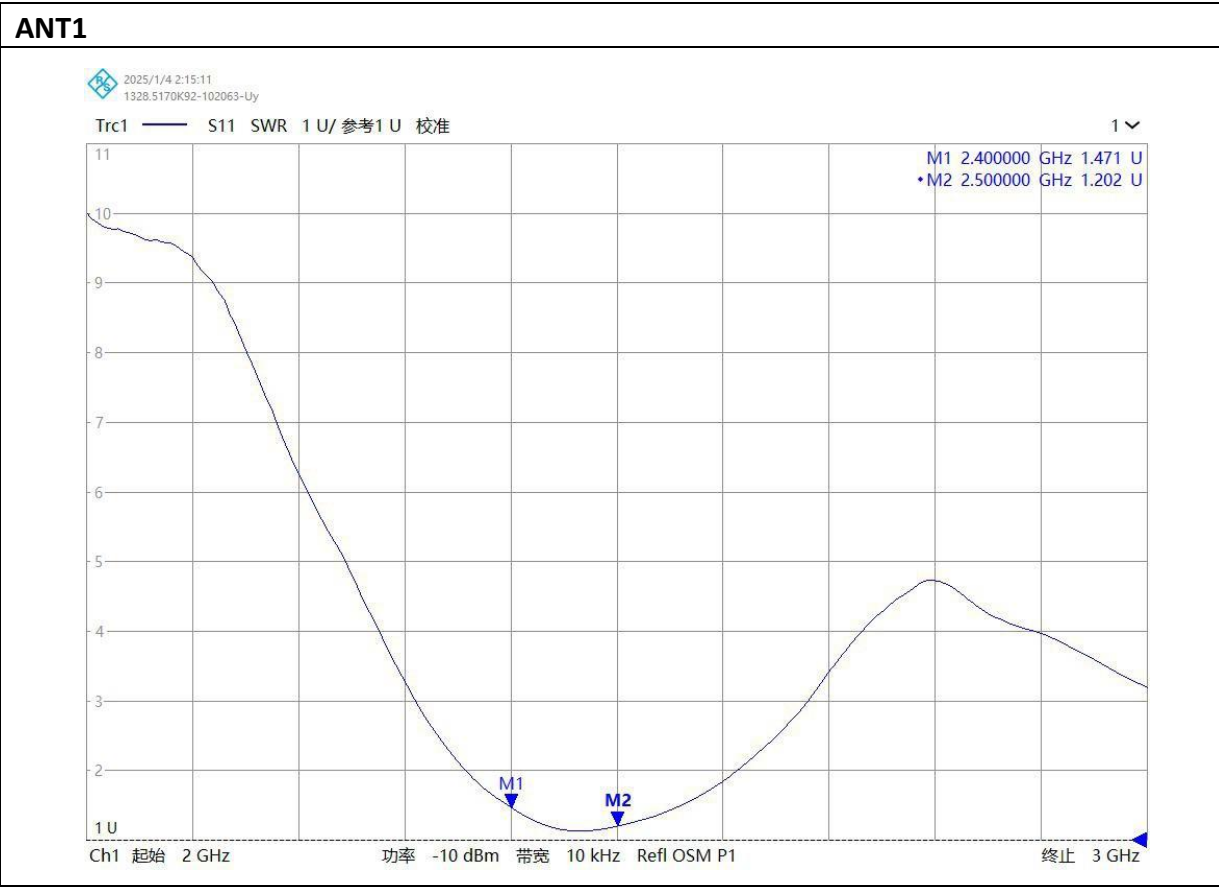
5G Antenna Gain:

Antenna 2		
Frequency(MHz)	Gain(dBi)	Efficiency(%)
5150	3.46	65.46
5200	3.44	68.91
5250	3.08	75.88
5300	3.38	79.2
5350	3.71	80.61
5400	3.2	76.93
5450	3.98	74.25
5500	3.99	74.39
5550	3.63	69.42
5600	3.2	60.9
5650	3.8	58.23
5700	3.88	58.98
5750	3.95	58.44
5800	3.66	60.87
5850	3.66	61.73

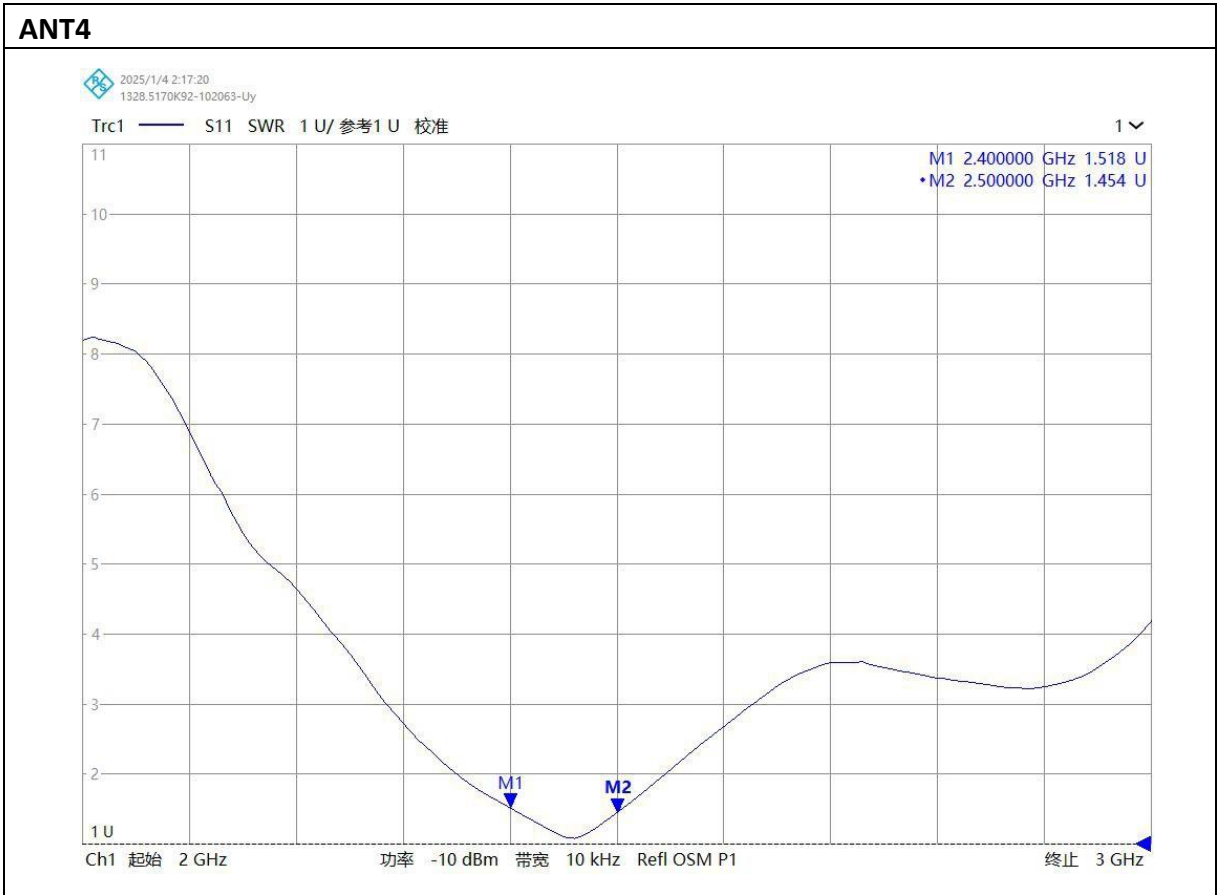
Antenna 3		
Frequency(MHz)	Gain(dBi)	Efficiency(%)
5150	3.34	66.16
5200	3.82	70.21
5250	3.65	67.56
5300	3.93	73.27
5350	3.67	80.84
5400	3.46	81.8
5450	3.71	74.28
5500	3.77	69.2
5550	3.71	73.92
5600	3.11	72.62
5650	3.4	68.73
5700	3.68	67.2
5750	3.94	67.29
5800	3.7	70.06
5850	3.98	71.27

3: VSWR test image

ANT1



ANT4



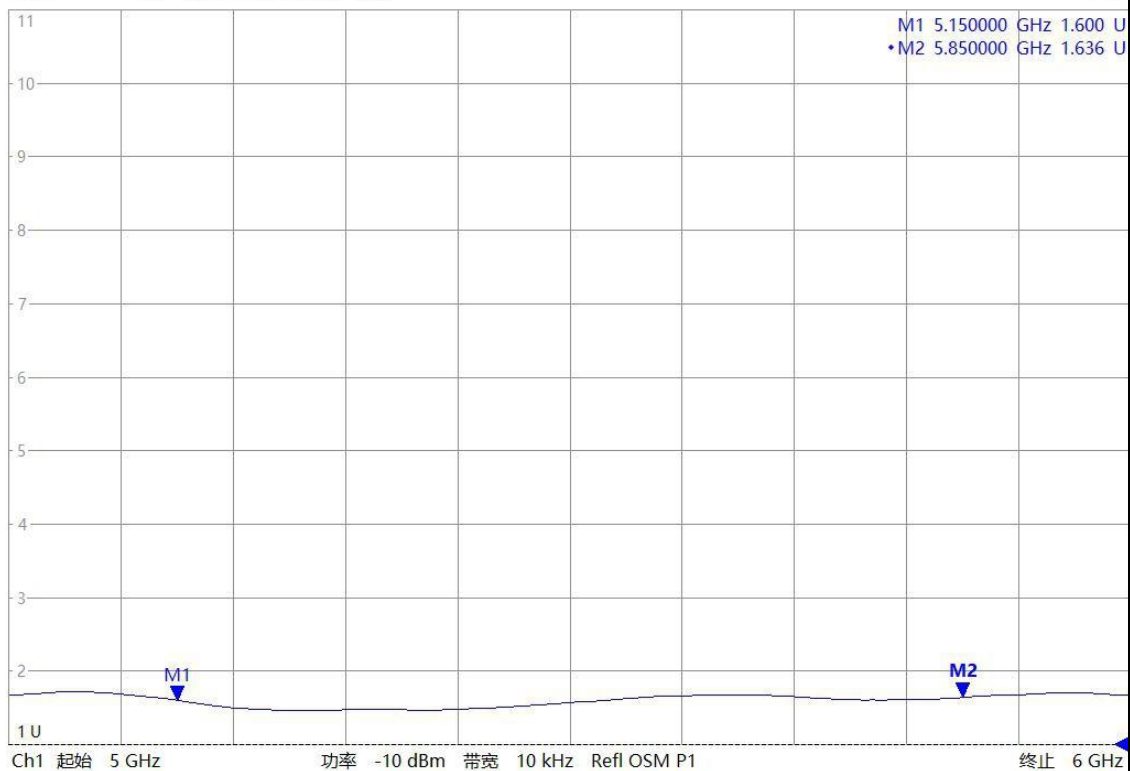
ANT2



2025/1/4 2:15:50
1328.5170K92-102063-Uy

Trc1 — S11 SWR 1 U/ 参考1 U 校准

1 ▾



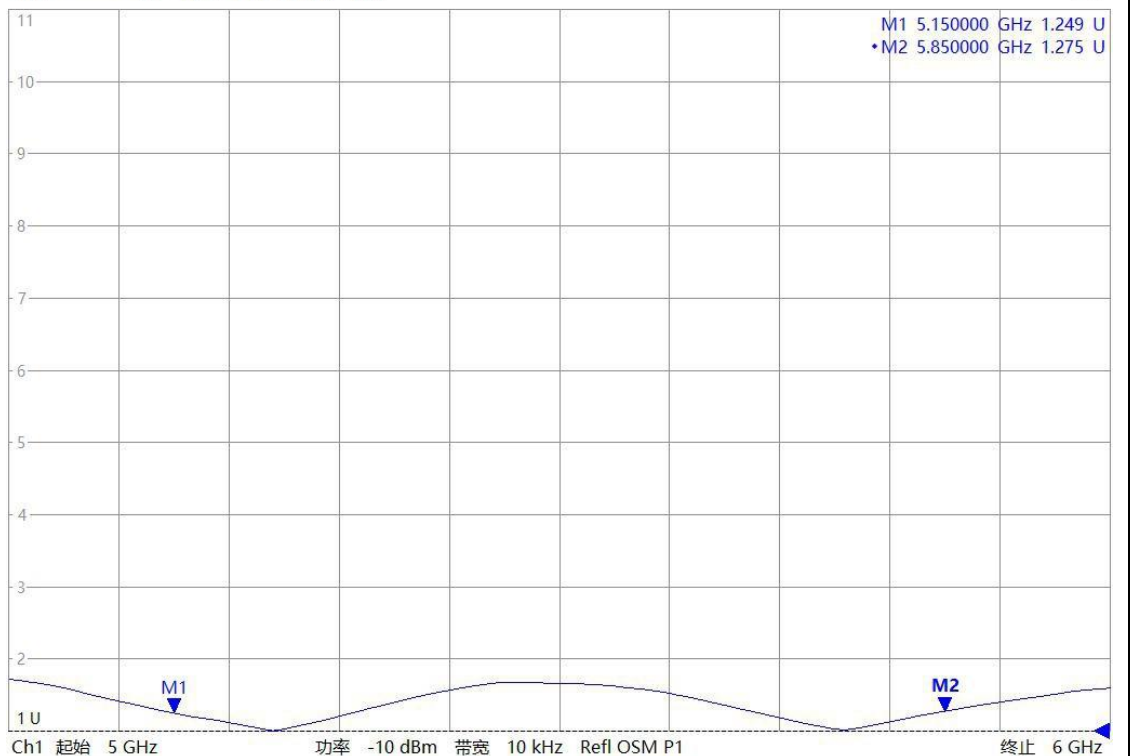
ANT3



2025/1/4 2:16:35
1328.5170K92-102063-Uy

Trc1 — S11 SWR 1 U/ 参考1 U 校准

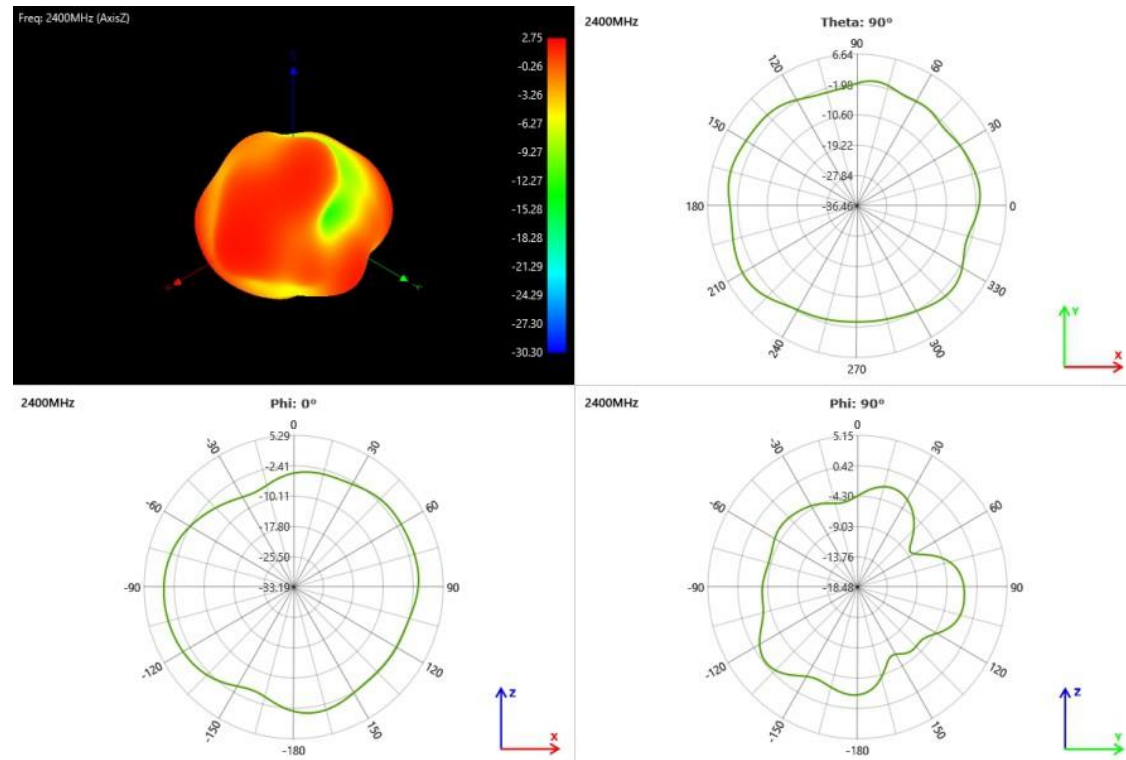
1 ▾



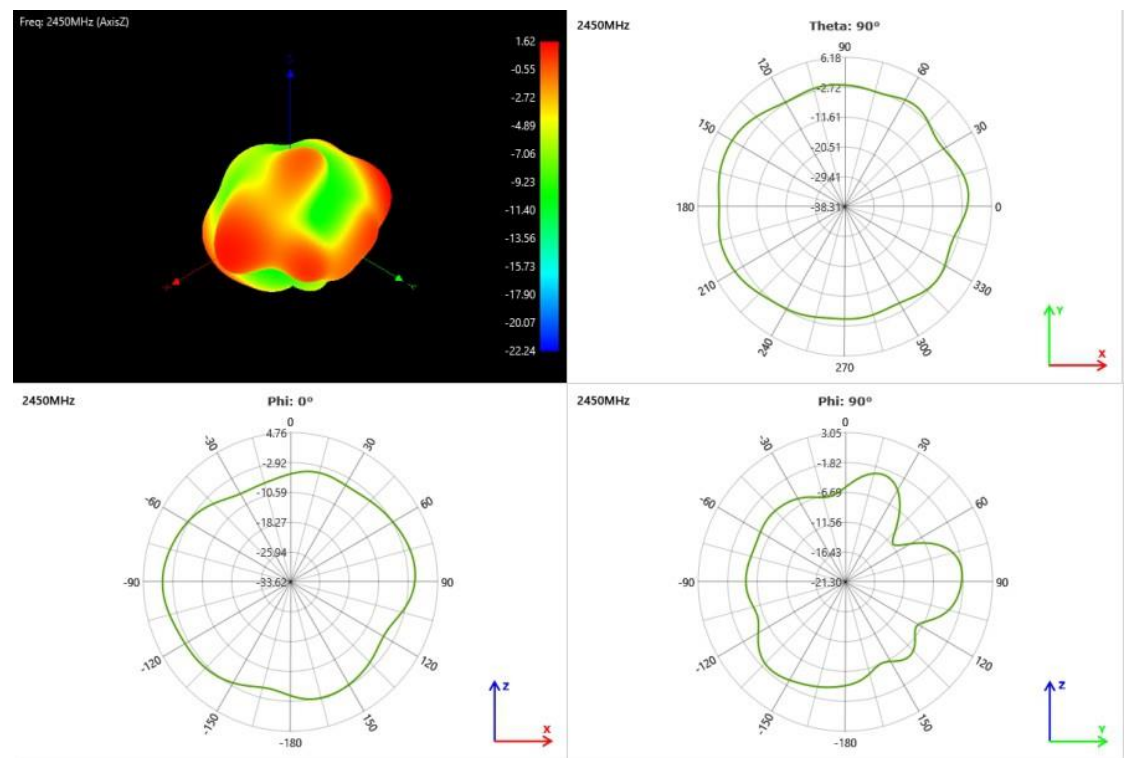
4: Radiation pattern

ANT1

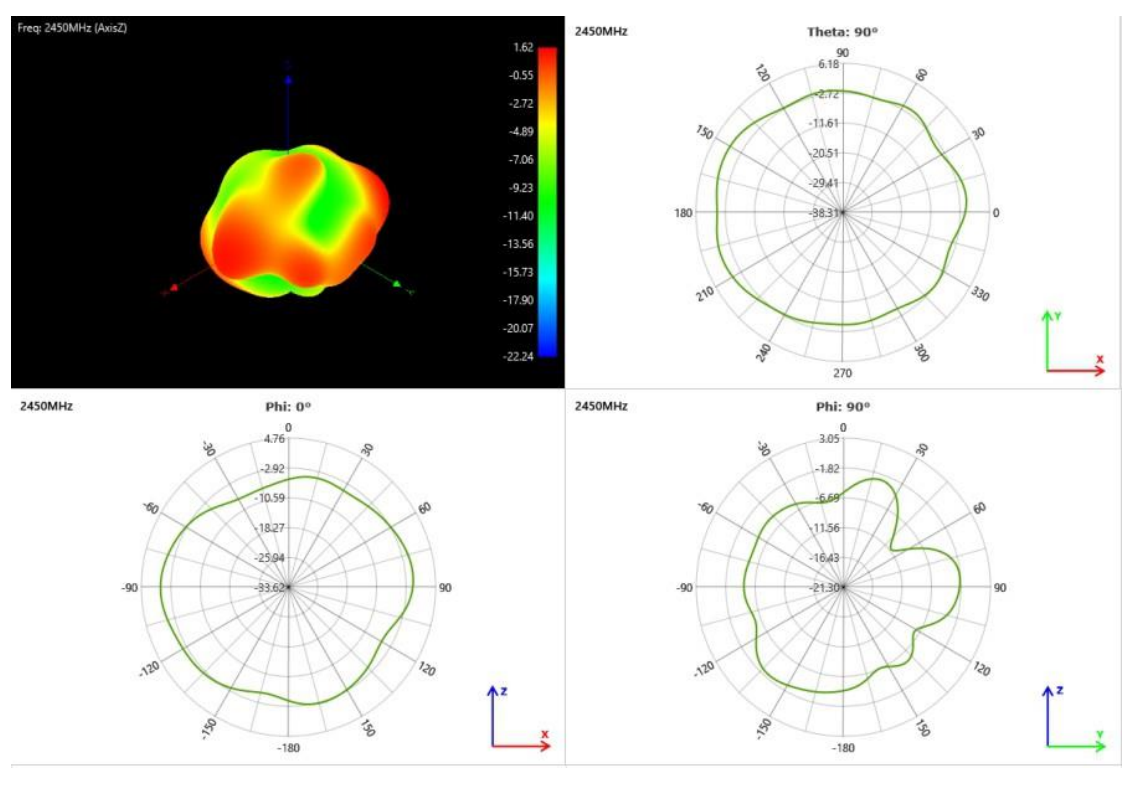
2400M



2450M

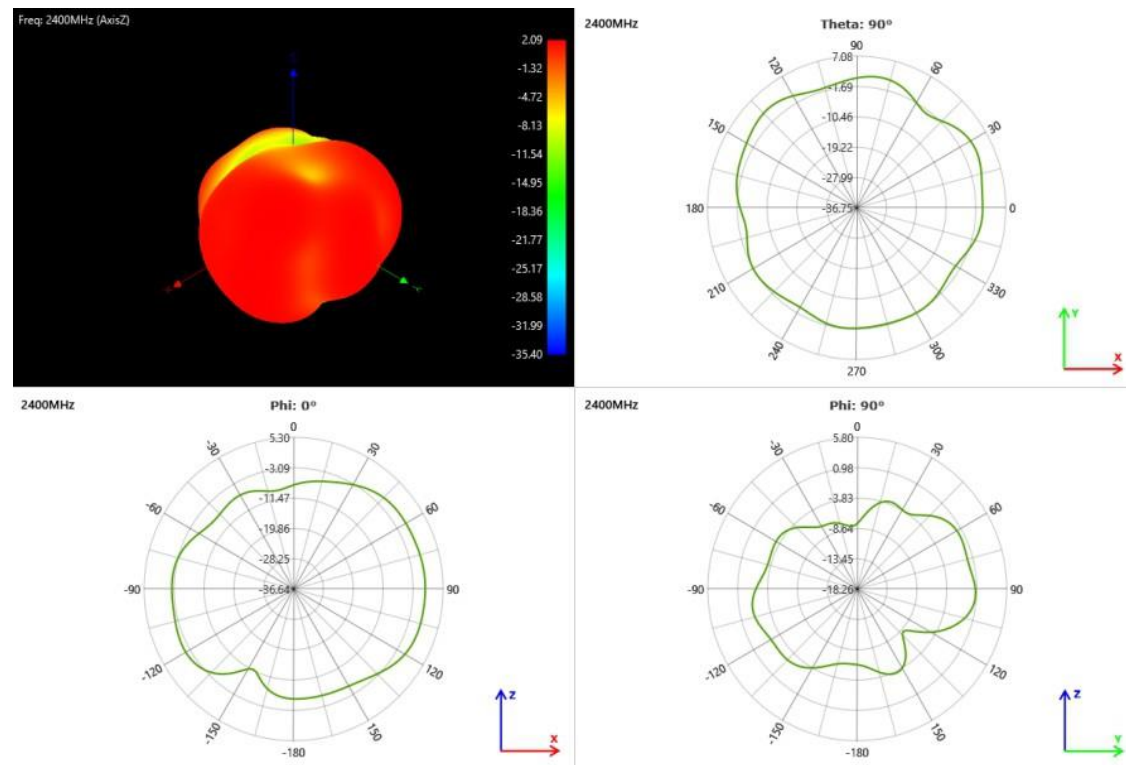


2500M

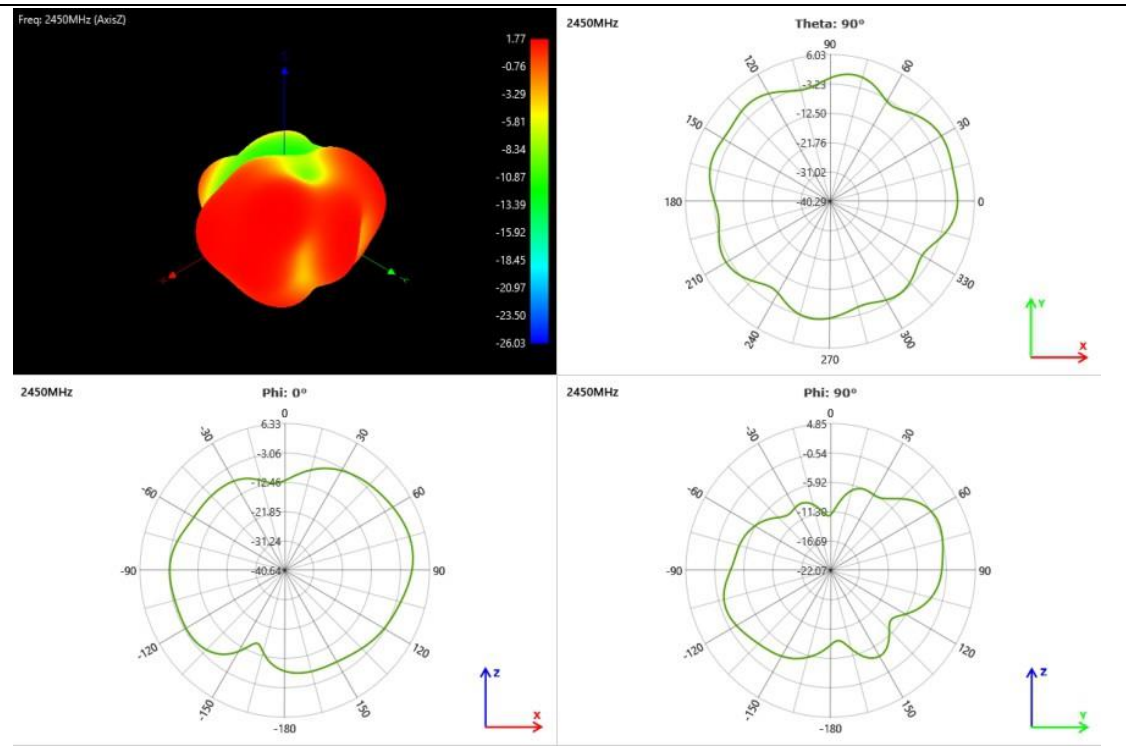


ANT4

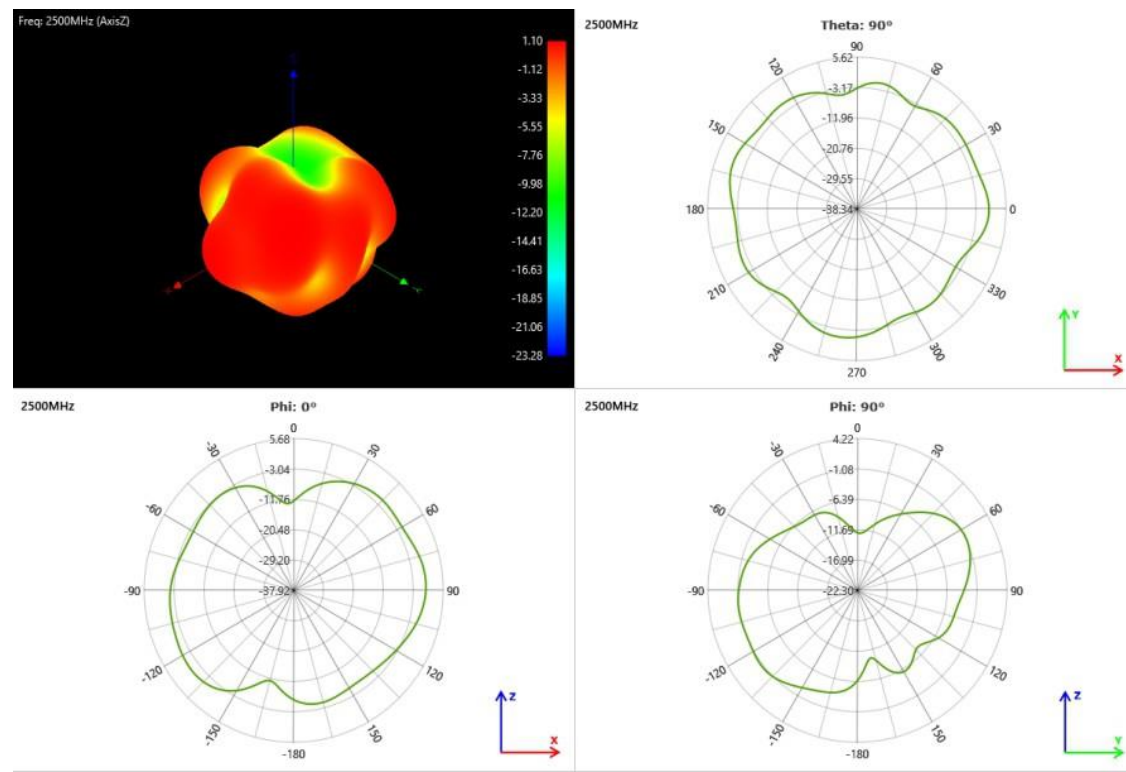
2400M



2450M

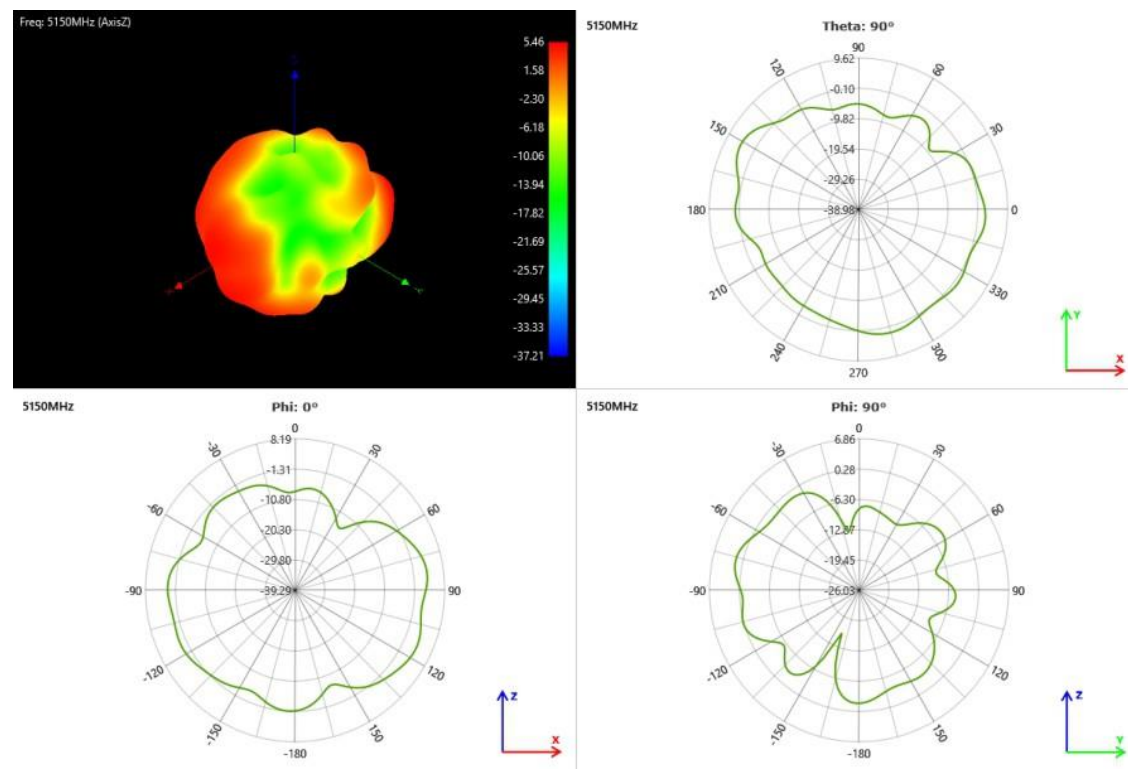


2500M

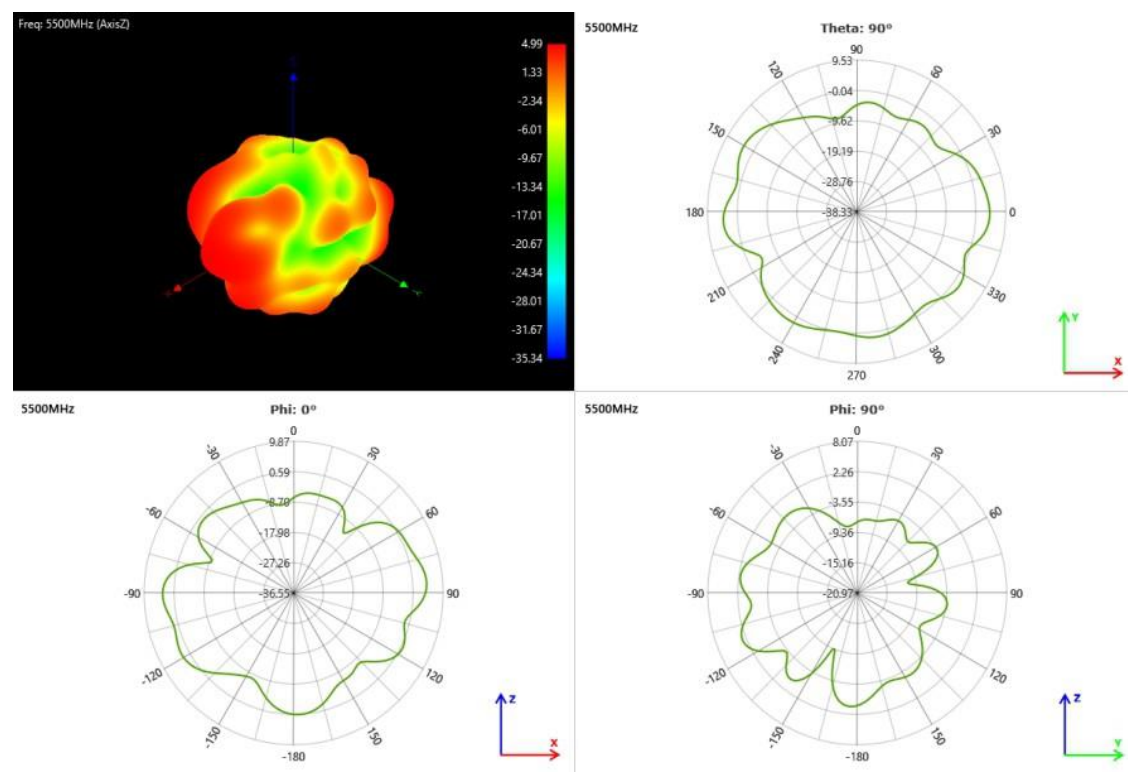


ANT2

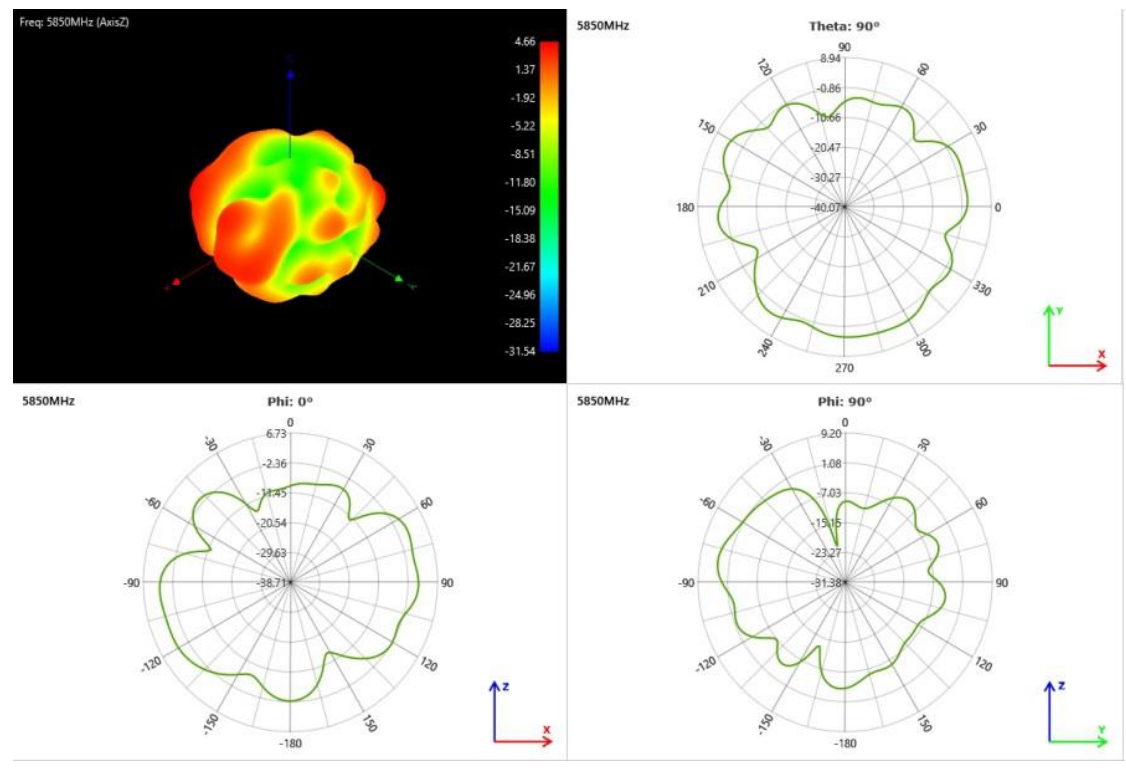
5150M



5500M

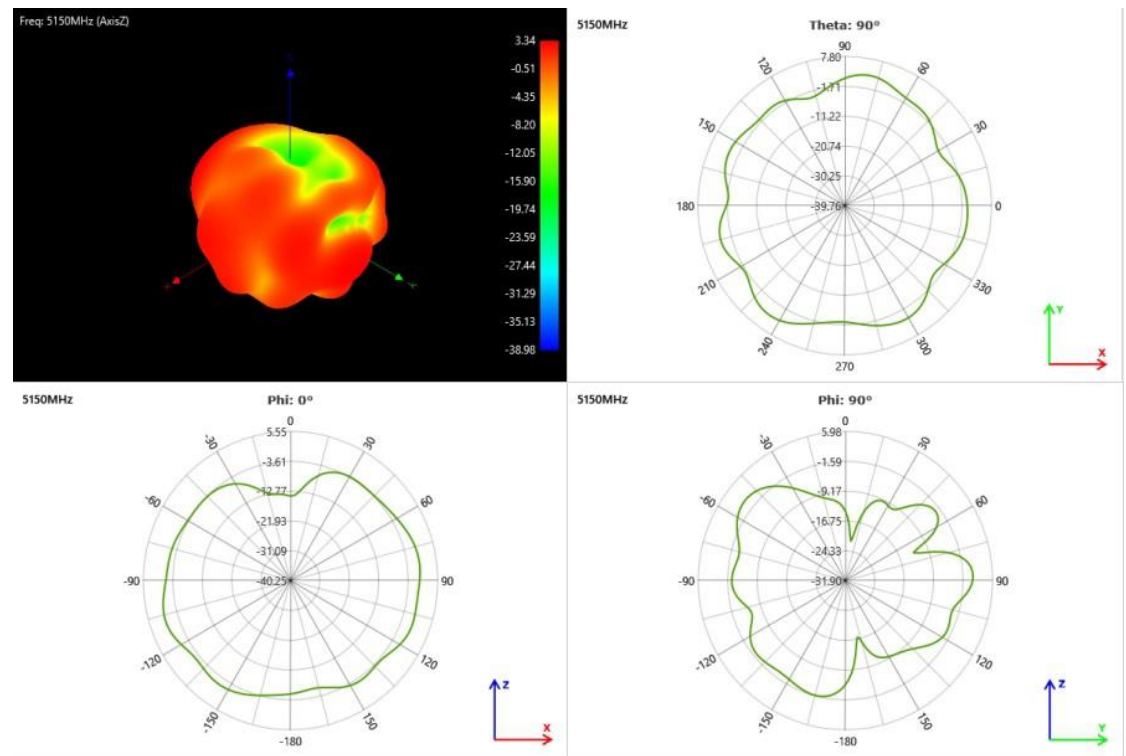


5850M

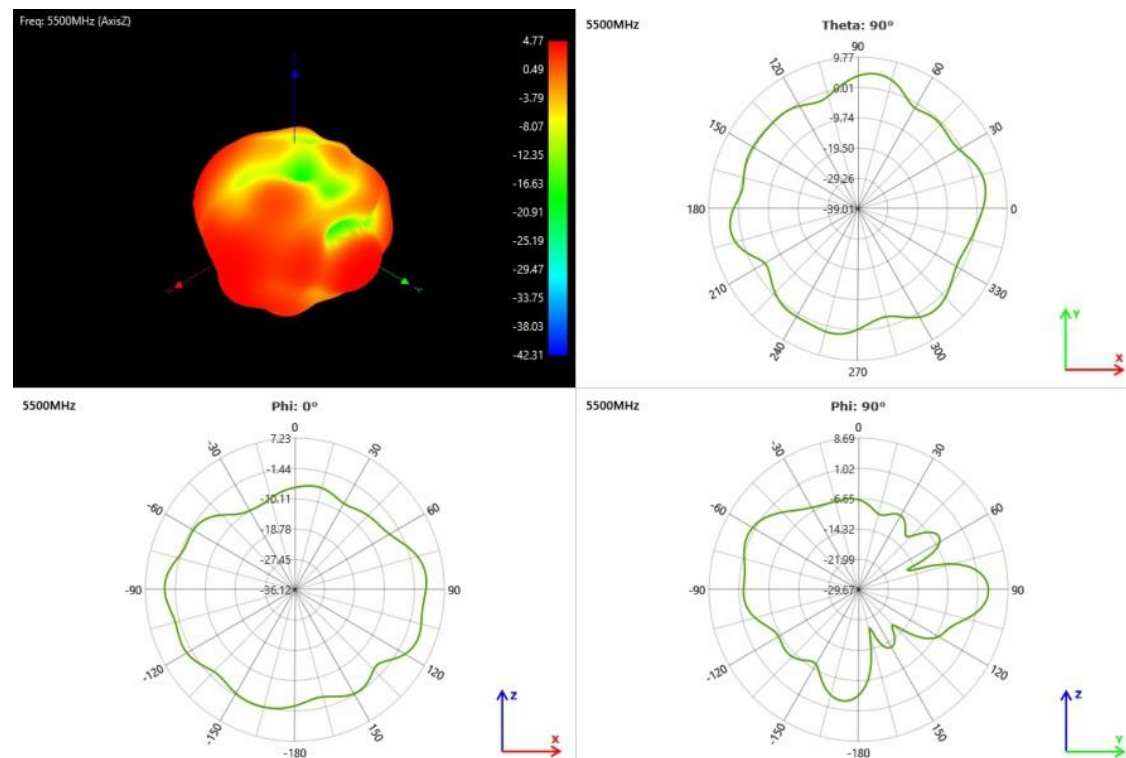


ANT3

5150M



5500M



5850M

