

Approval	Verify	Issue

Antenna Specification

630810000043

SH23129IB77

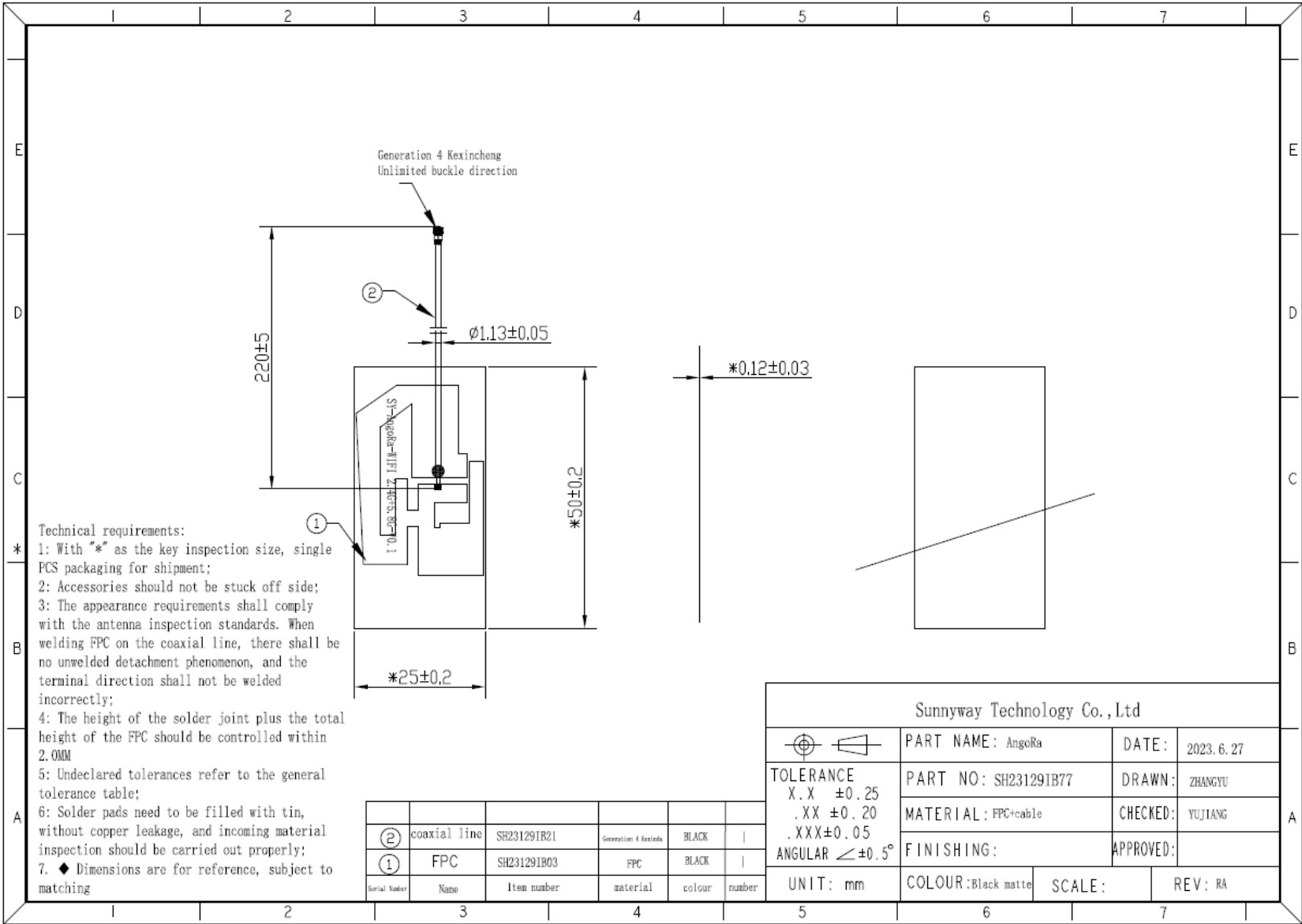
2023/08/30

Sunnyway Technology (china) Co., LTD.

1. Specification

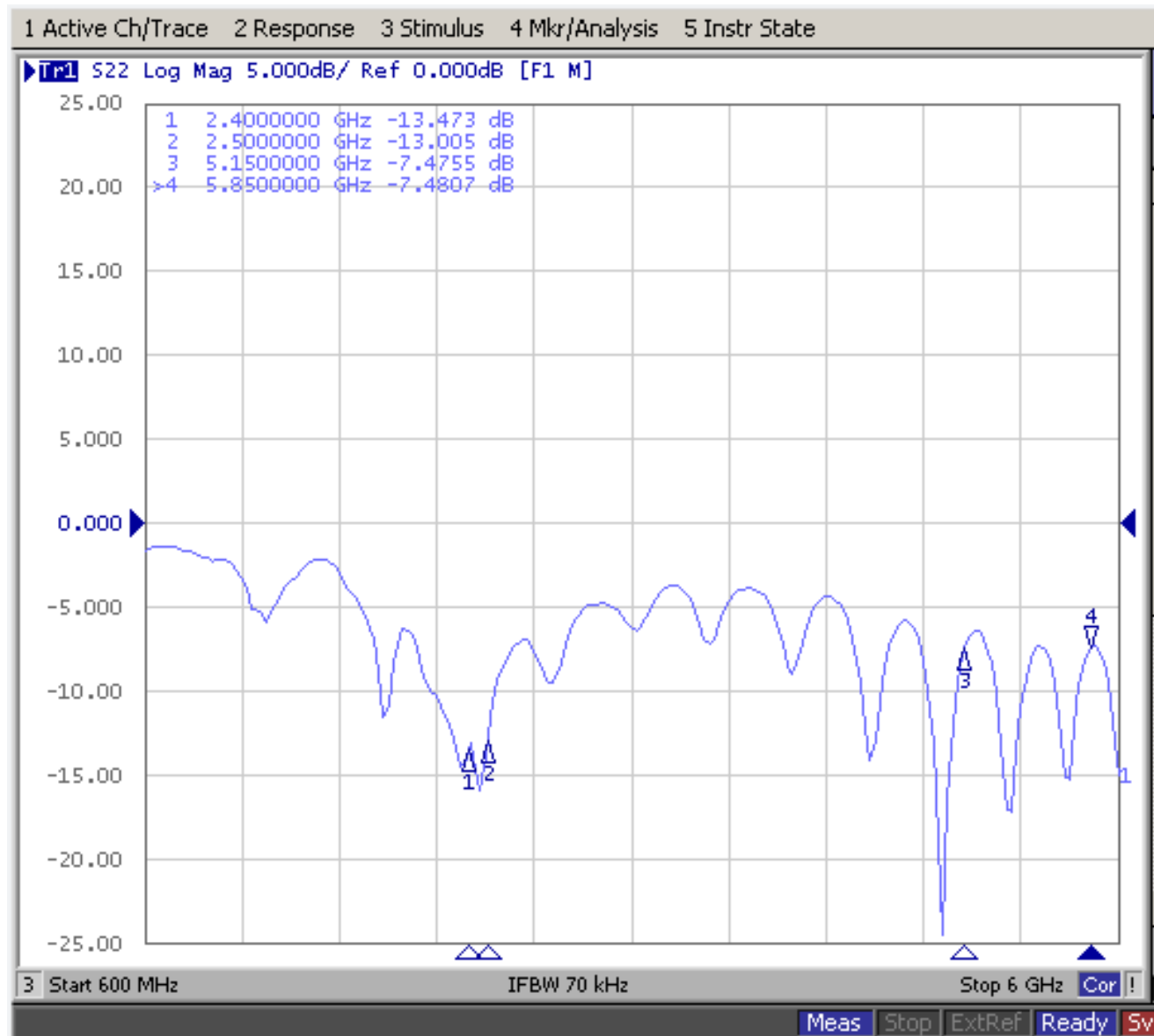
Item	Description
Manufacturer	Sunnyway Technology
Product Name	AngoraE2 Antenna
Product Number	630810000043 (SH23129IB77)
Band Frequency	Wifi2.4G/5G 2400 ~ 2500[MHz] 5150 ~ 5850[MHz]
Antenna Type	PIFA
Peak Gain	ANT1 WIFI 2.4G/BT : 3.35dBi WIFI 5.0G : 2.08dBi ANT2 WIFI 2.4G/BT : 3.35dBi WIFI 5.0G : 2.08dBi

2. 2D Drawing



3.Return Loss

Wifi 2.4G/5G



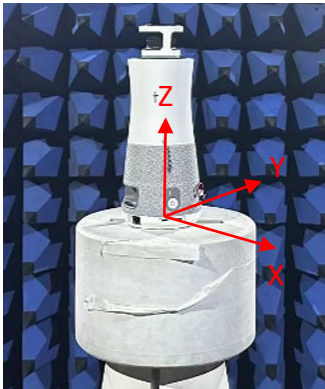
4.Efficiency / Gain

Freq	Effi	Effi	MaxGain
(MHz)	(%)	(dB)	(dBi)
2400	38.19	-4.18	2.09
2410	40.74	-3.9	1.76
2420	44.46	-3.52	2.81
2430	43.65	-3.6	2.53
2440	45.81	-3.39	2.53
2450	49.55	-3.05	3.35
2460	46.88	-3.29	3.17
2470	47.21	-3.26	2.55
2480	47.97	-3.19	2.92
2490	48.75	-3.12	2.3
2500	46.48	-3.33	2

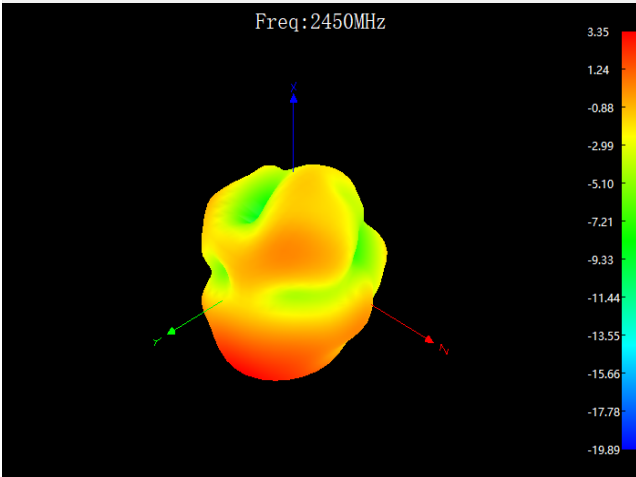
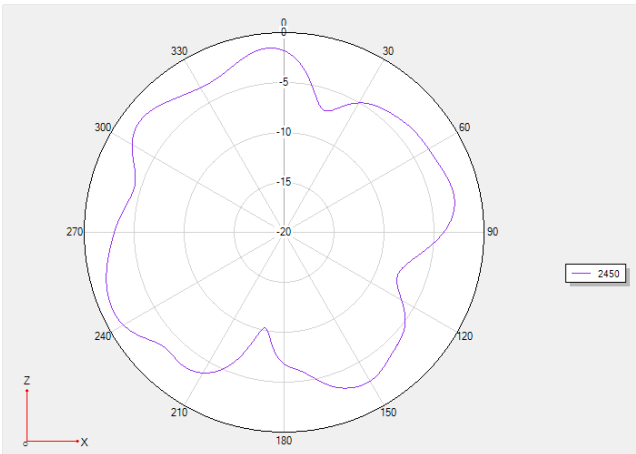
Freq	Effi	Effi	MaxGain
(MHz)	(%)	(dB)	(dBi)
5150	32.36	-4.9	0.39
5200	30.76	-5.12	0.1
5250	33.81	-4.71	0.38
5300	34.59	-4.61	0.72
5350	38.19	-4.18	0.34
5400	44.57	-3.51	1.54
5450	43.65	-3.6	2.08
5500	33.27	-4.78	0.21
5550	30.13	-5.21	-0.15
5600	32.06	-4.94	0.32
5650	32.28	-4.91	0.21
5700	33.73	-4.72	1.27
5750	35.48	-4.5	1.32
5800	32.28	-4.91	0.65
5850	31.84	-4.97	0.62

Wifi

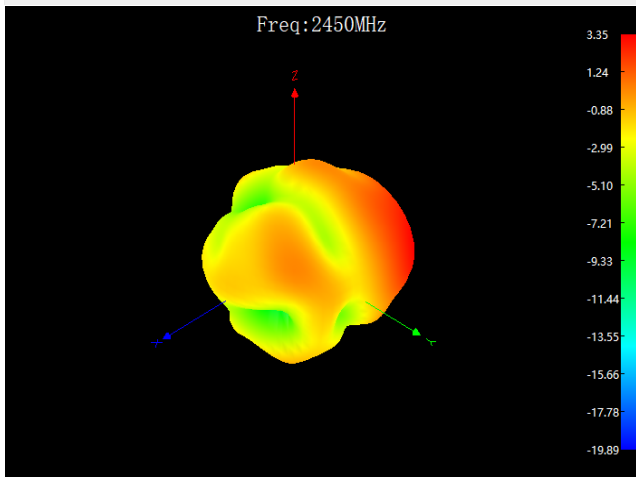
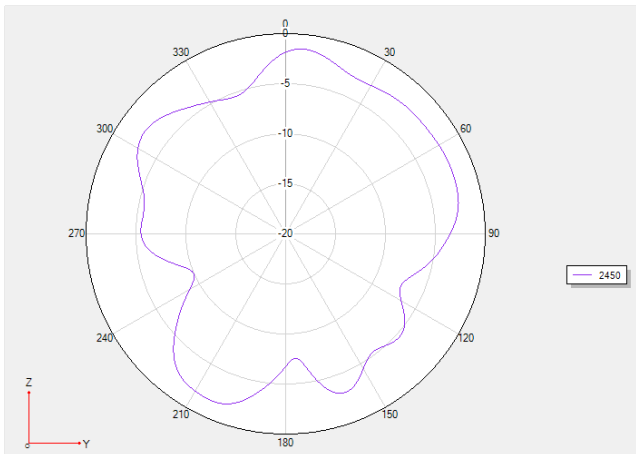
5. Radiation Pattern 2D/3D 2450 [MHz]



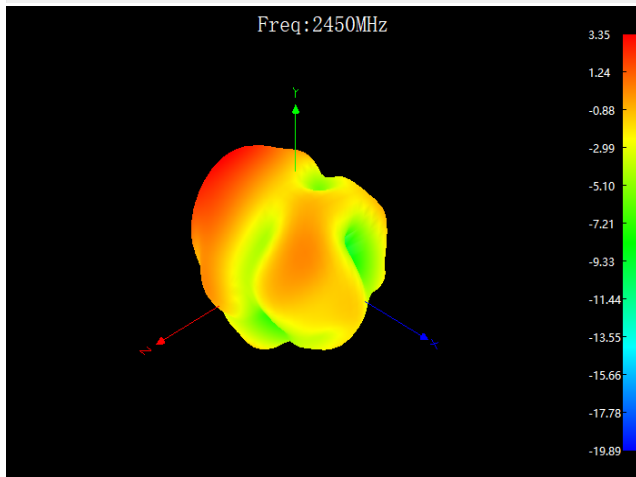
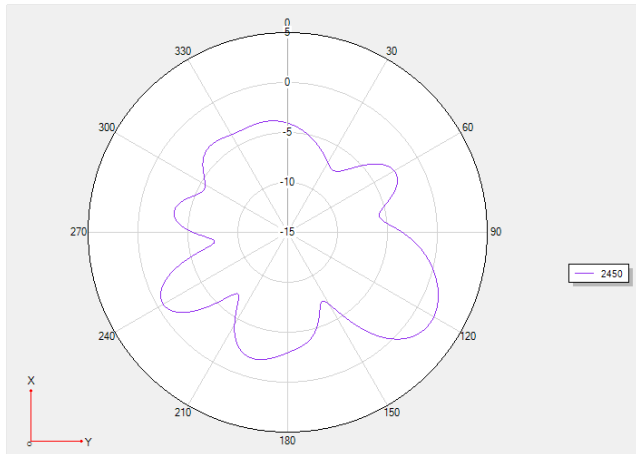
Frequency	2450MHz		
Gain	3.35 dBi		
Phi=0			



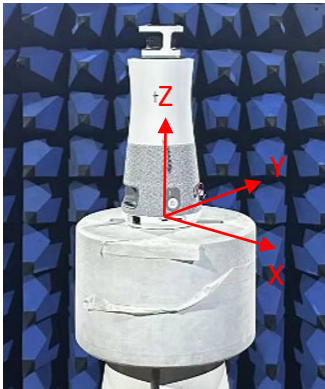
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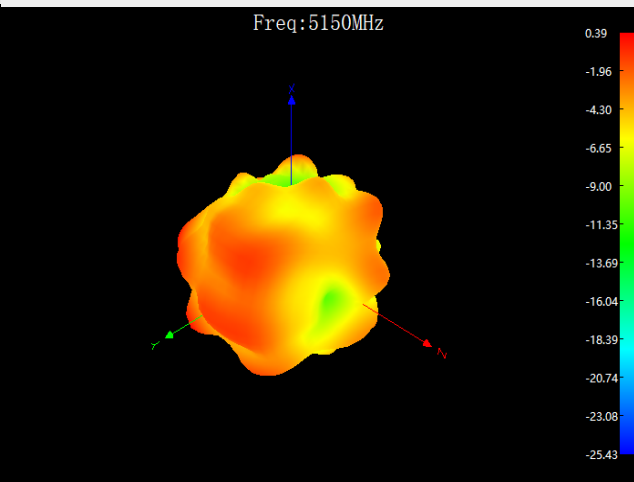
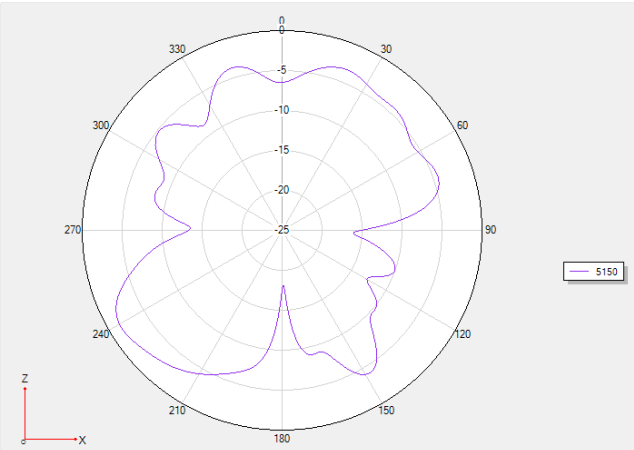
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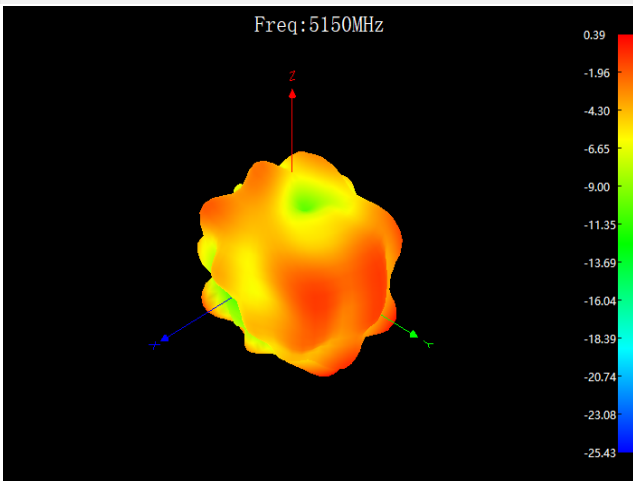
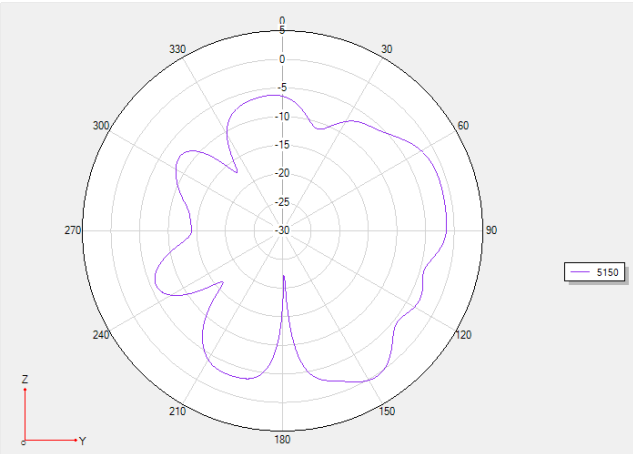
5. Radiation Pattern 2D/3D 5150 [MHz]



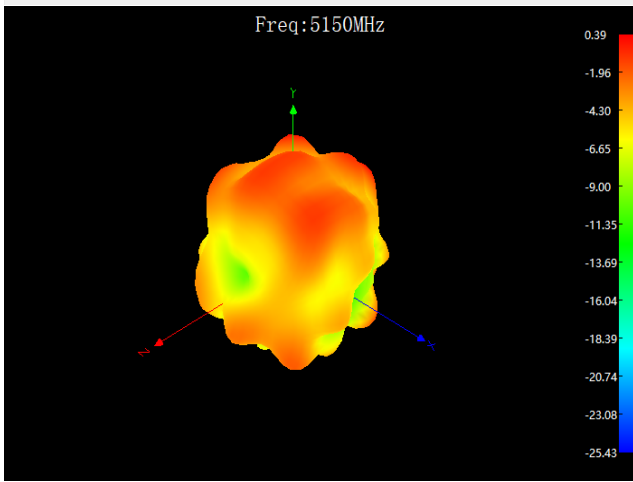
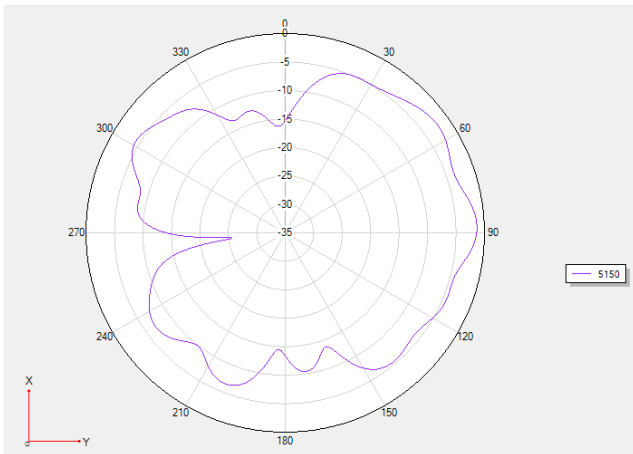
Frequency	5150MHz		
Gain	0.39 dBi		
Phi=0			



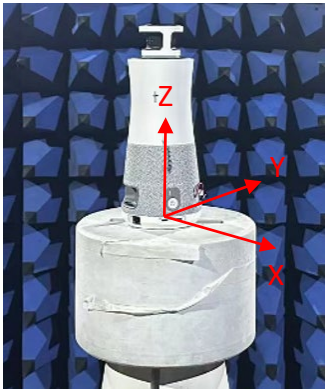
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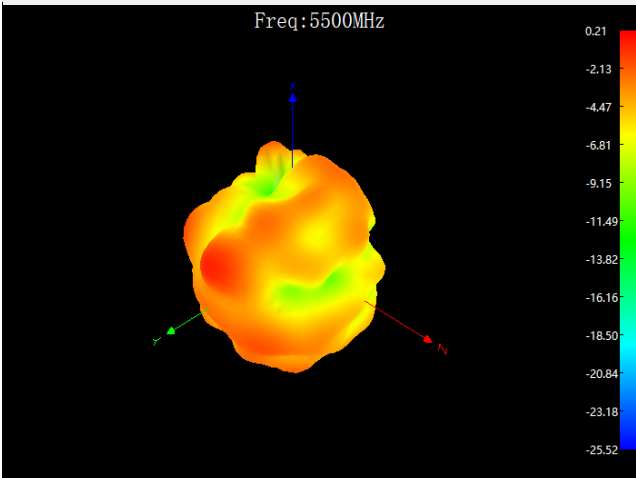
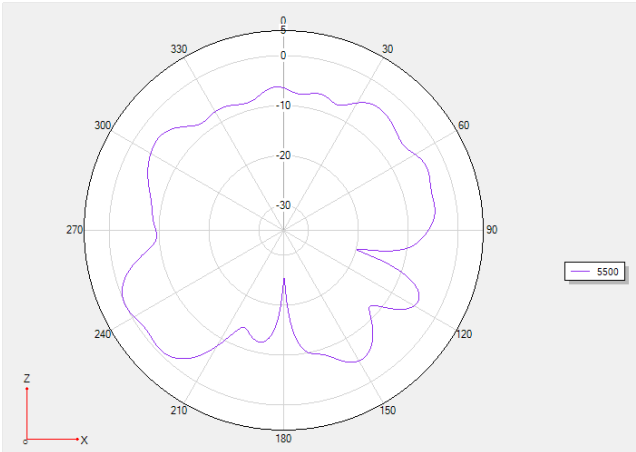
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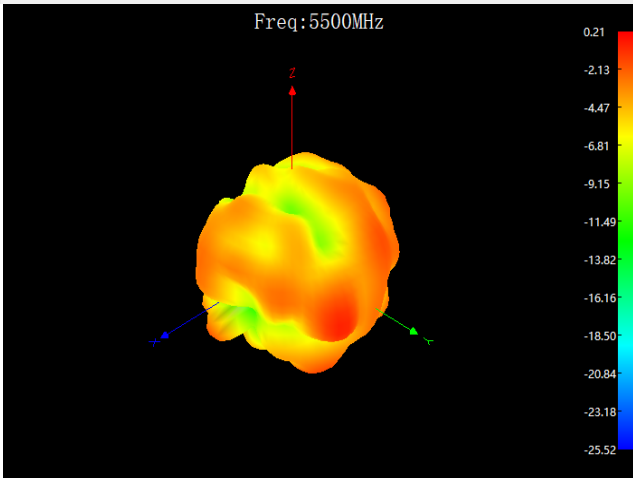
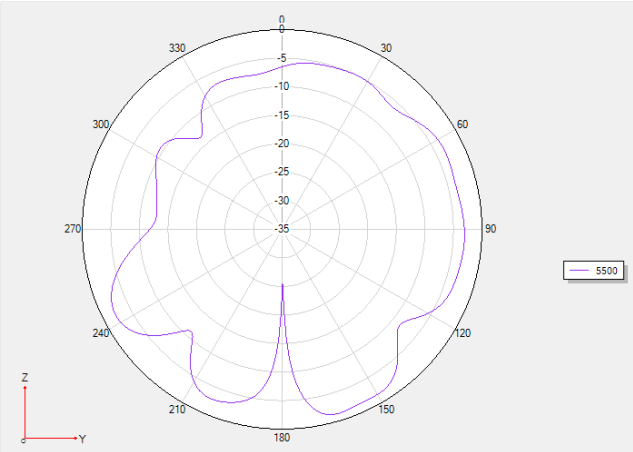
5. Radiation Pattern 2D/3D 5450 [MHz]



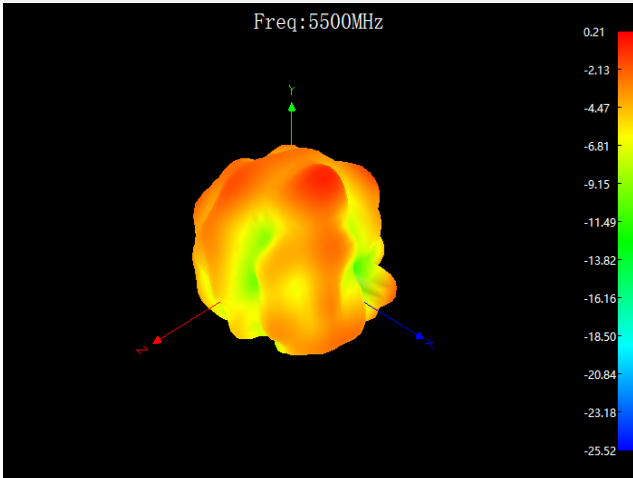
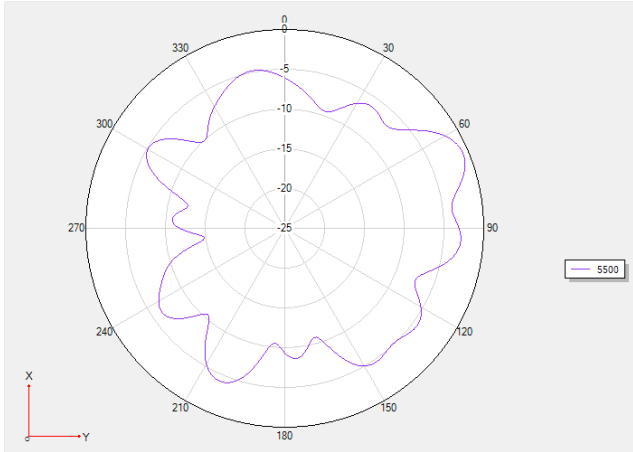
Frequency	5450MHz		
Gain	2.08 dBi		
Phi=0			



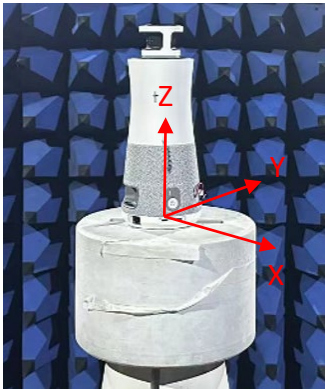
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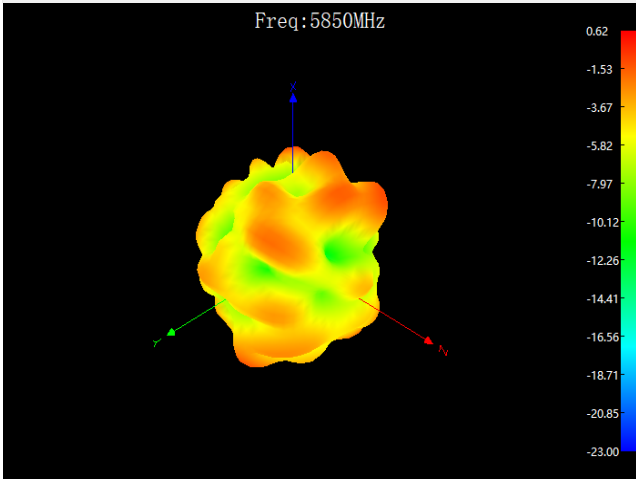
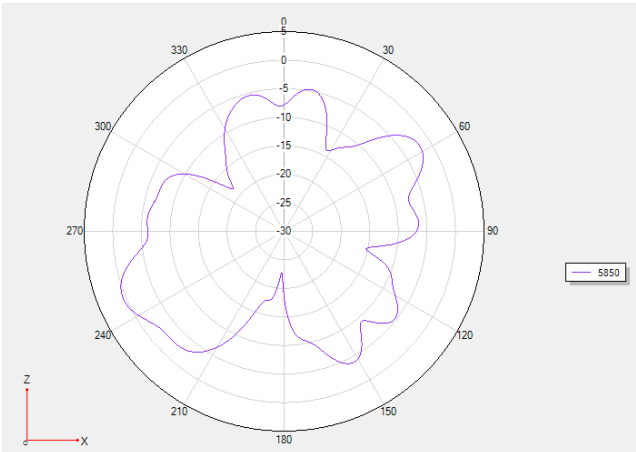
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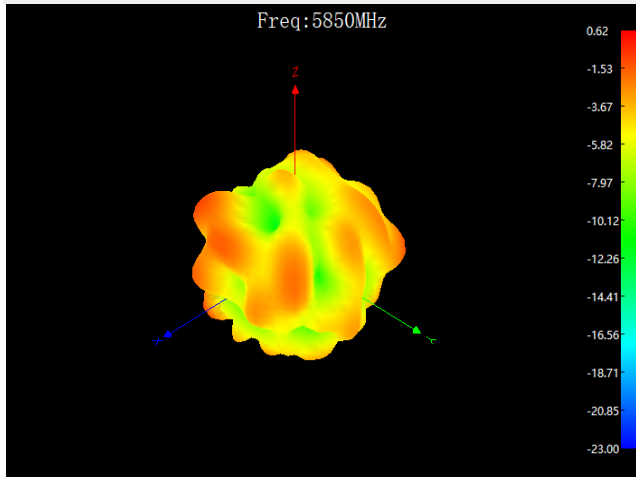
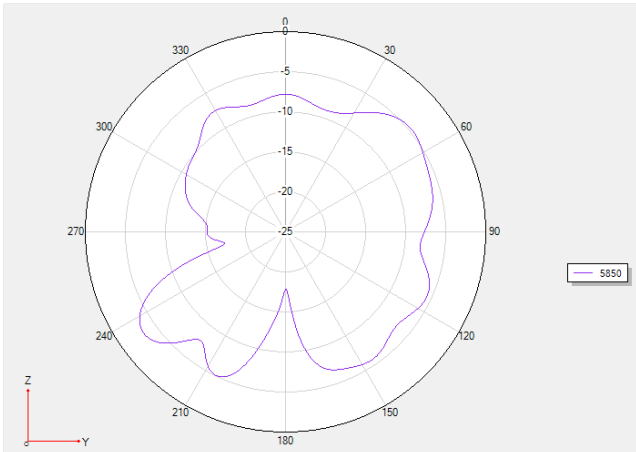
5. Radiation Pattern 2D/3D 5850 [MHz]



Frequency	5850MHz		
Gain	0.62 dBi		
Phi=0			



PHI=90			
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Theta=90			
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