

深圳市大山通讯有限公司
Shenzhen Dasan Communication Co., Ltd.

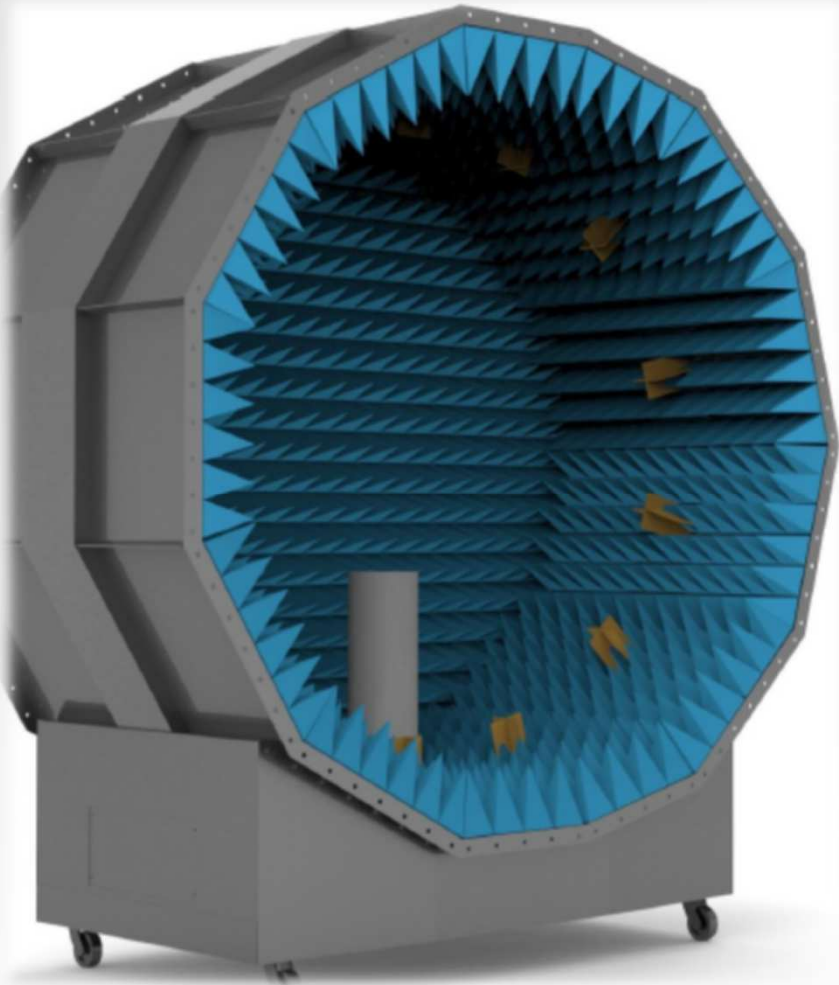
BK581 Antenna Evaluating Report

Prepared By: Mo

Date of Report: 2025-2-5

Date	Rev	Description
2025-2-5	01	TEST Ant Efficiency and Gain

测试设备 / Equipment



- Chamber : GTS Rayzone1800
- 网络分析仪 : Agilent E5071C
- 2G/3G综测仪 : Agilent 8960
- LTE综测仪 : Anritsu MT8820
- TD综测仪 : StarPoint SP6010
- WIFI综测仪 : Anritsu MT8860
- GPS信号源 : Agilent E4438C

整机环境说明 / Fixture Environment

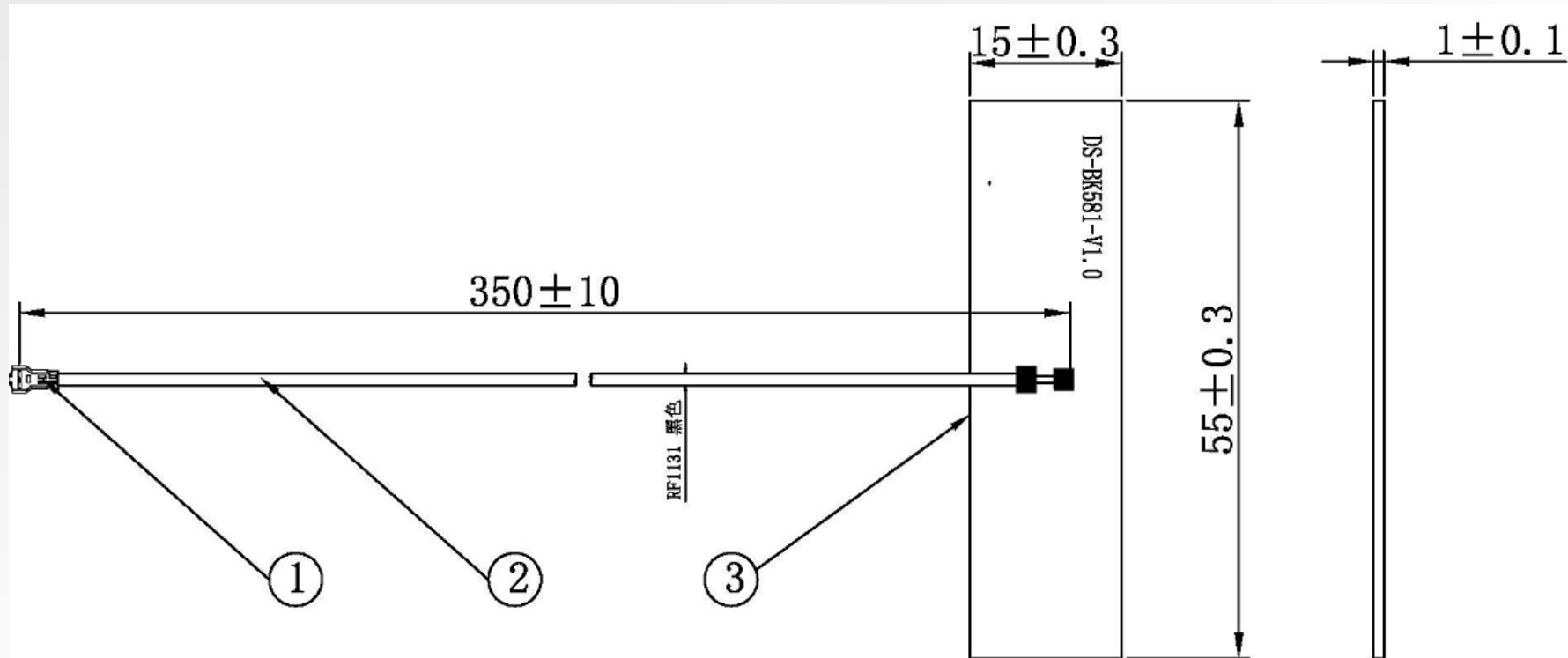
ANT BAND

使用系统	Band	使用系统	Band
GSM	-	WIFI / BT	2.4 / 5GHz
WCDMA	-	全球定位	-
TD-SCDMA	-	FM	-
CDMA	-	Others	-
FDD LTE			
TDD LTE			

Antenna information

- P/N: BK581 ANT
- Manufacturer: Shenzhen Dasan Communication Co., Ltd.
- Add:Shenzhen Baoan District Shiyan Street Tangtou community, Dashihan Sanlian Industrial zone, Buildin.

Dimension (Unit : mm) :



Ant TEST

Effic & Gain

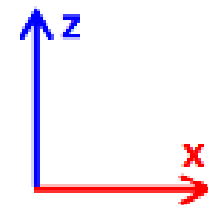
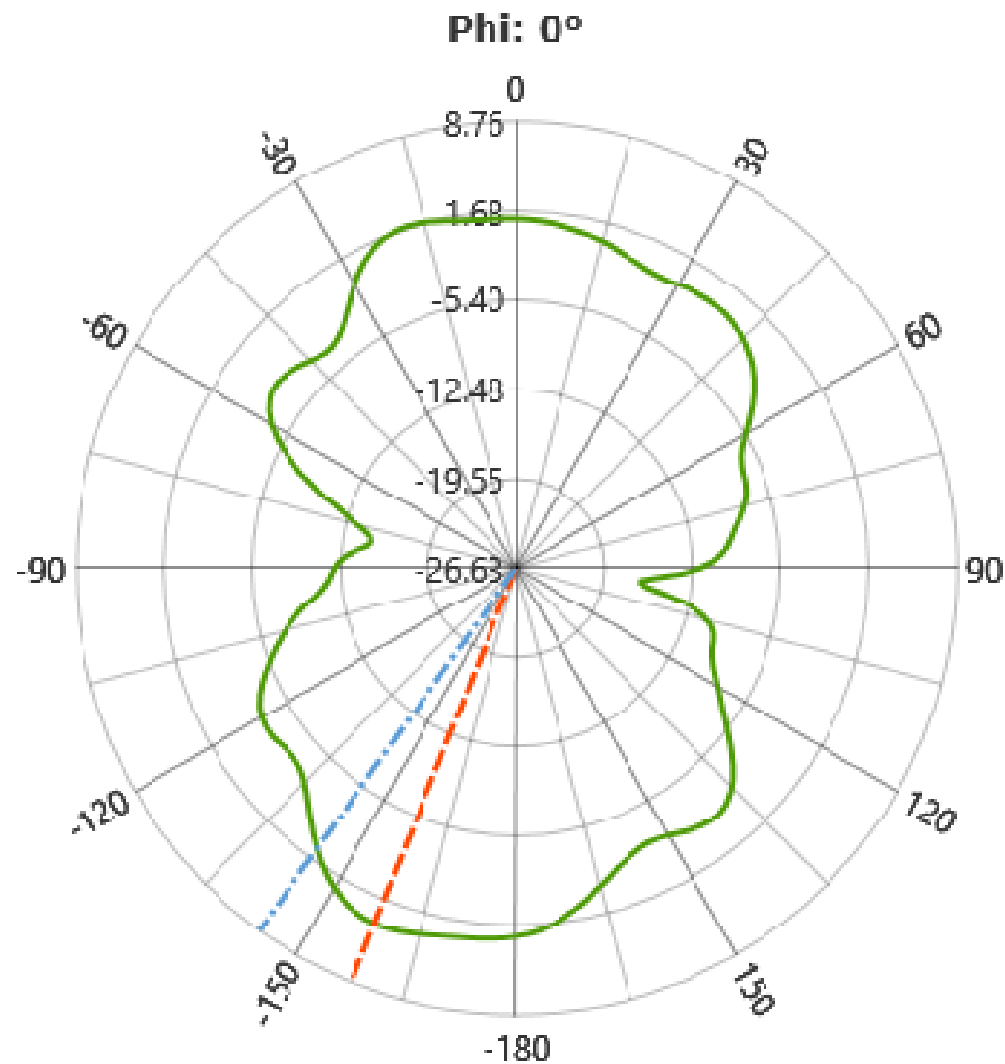
Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	3.28	-1.93	64.14
2410	3.25	-1.9	64.54
2420	3.42	-1.85	65.26
2430	3.52	-1.79	66.28
2440	3.93	-1.72	67.28
2450	4.2	-1.73	67.07
2460	4.13	-1.87	64.99
2470	4.15	-1.85	65.36
2480	4.25	-1.75	66.81
2490	4.37	-1.68	67.94
2500	4.57	-1.54	70.2

Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
5100	1.6	-1.61	68.98
5120	2.19	-1.54	70.14
5140	2.16	-1.61	69.08
5160	2.22	-1.56	69.75
5180	2.36	-1.47	71.21
5200	2.43	-1.53	70.31
5220	2.37	-1.63	68.78
5240	2.31	-1.68	67.95
5260	2.69	-1.45	71.59
5280	2.53	-1.77	66.47
5300	2.41	-1.89	64.68
5320	2.32	-1.78	66.35
5340	2.43	-2.02	62.79
5360	3.09	-1.76	66.72
5380	2.83	-2.13	61.29
5400	3.04	-2.04	62.51
5420	3.35	-1.96	63.73
5440	3.2	-2.06	62.22
5460	3.56	-2.01	62.98
5480	3.73	-2.05	62.38
5500	3.9	-1.76	66.66
5520	3.95	-2.07	62.07
5540	4.09	-1.9	64.56
5560	3.97	-2.05	62.4
5580	4.05	-2.17	60.67
5600	3.85	-2.09	61.73
5620	3.19	-2.65	54.37
5640	3.41	-2.43	57.14
5660	3.4	-2.46	56.78
5680	3.28	-2.6	54.98
5700	2.86	-2.67	54.1
5720	2.62	-2.81	52.4
5740	2.75	-2.63	54.62
5760	2.66	-2.63	54.58
5780	2.62	-2.66	54.14
5800	2.46	-2.64	54.45
5820	2.84	-2.42	57.25
5840	2.7	-2.3	58.88
5860	2.46	-2.57	55.34
5880	3.27	-2.31	58.76
5900	3.23	-2.33	58.46

Ant TEST

E1 Plant

2450MHz

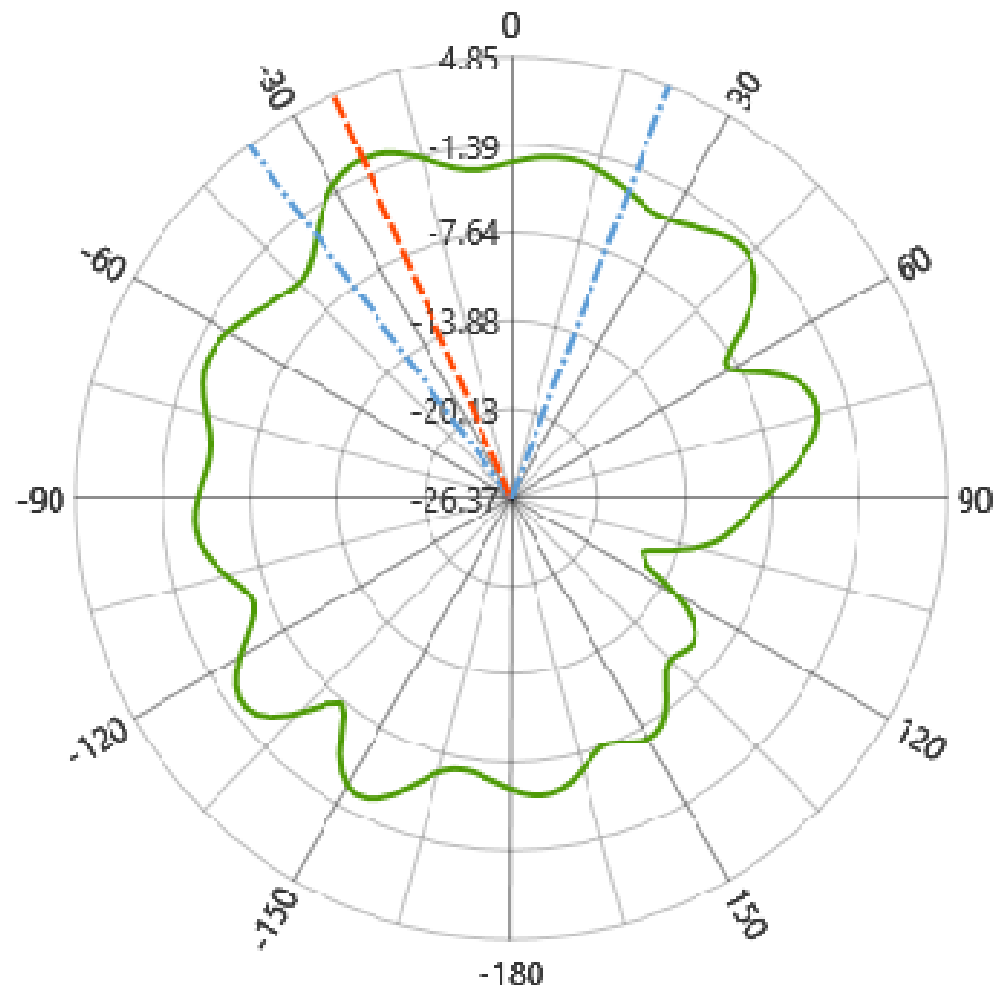


Ant TEST

E1 Plant

5500MHz

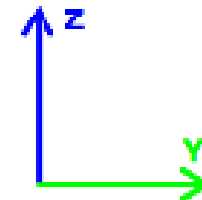
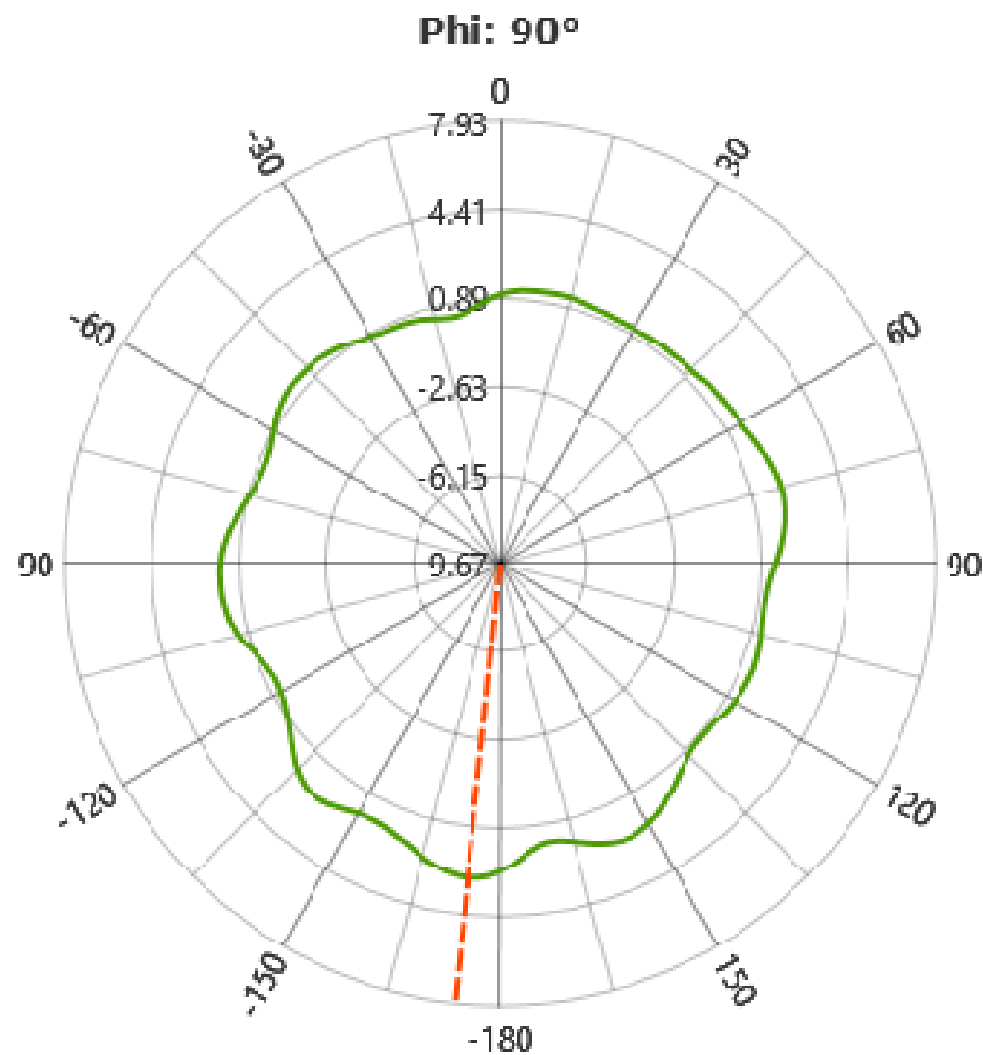
Phi: 0°



Ant TEST

E2 Plant

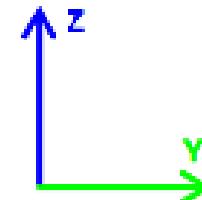
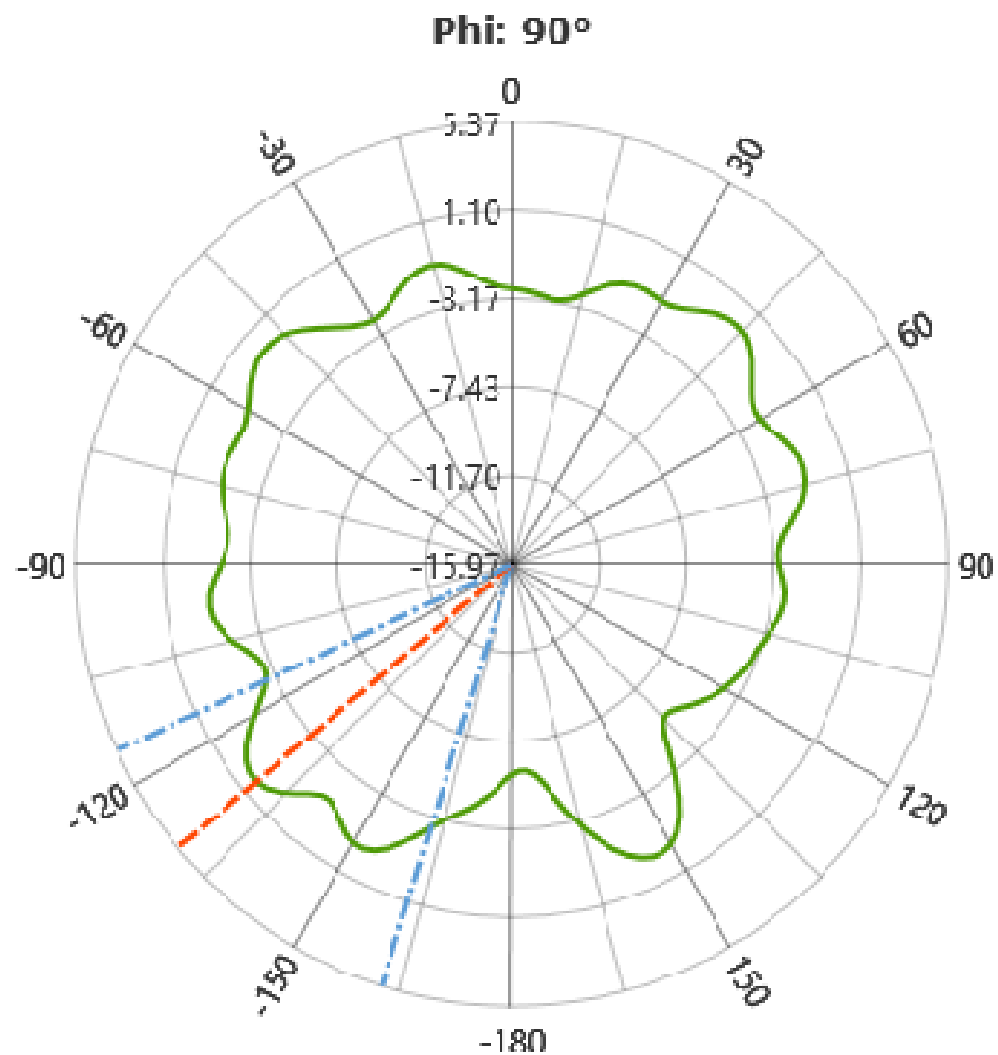
2450MHz



Ant TEST

E2 Plant

5500MHz

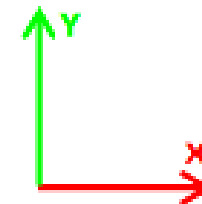
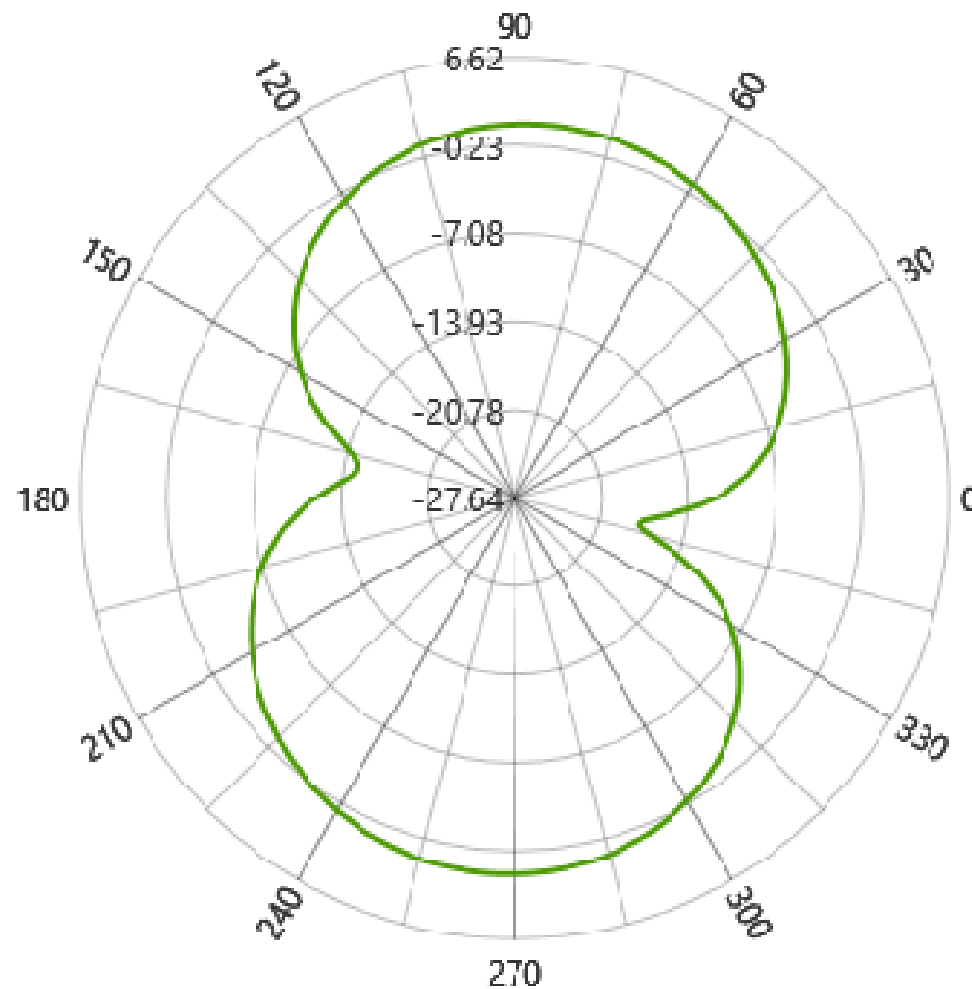


Ant TEST

H plant

2450MHz

Theta: 90°

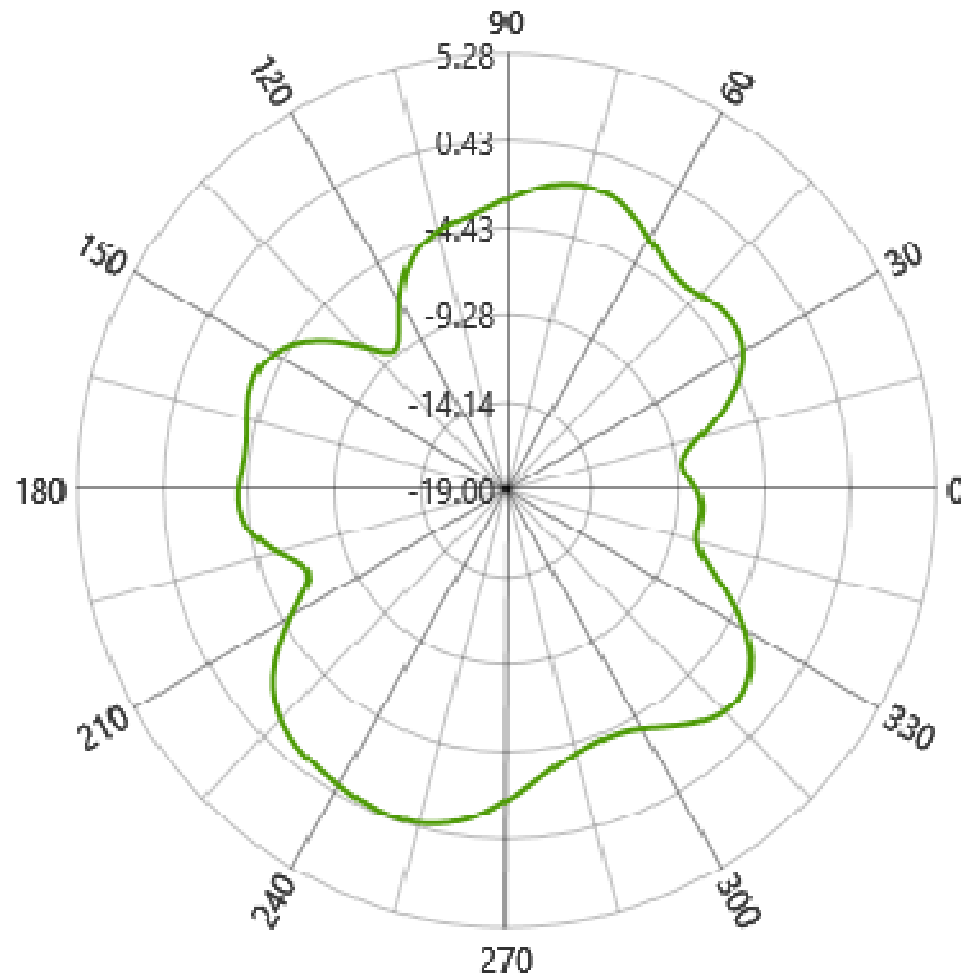


Ant TEST

H plant

5500MHz

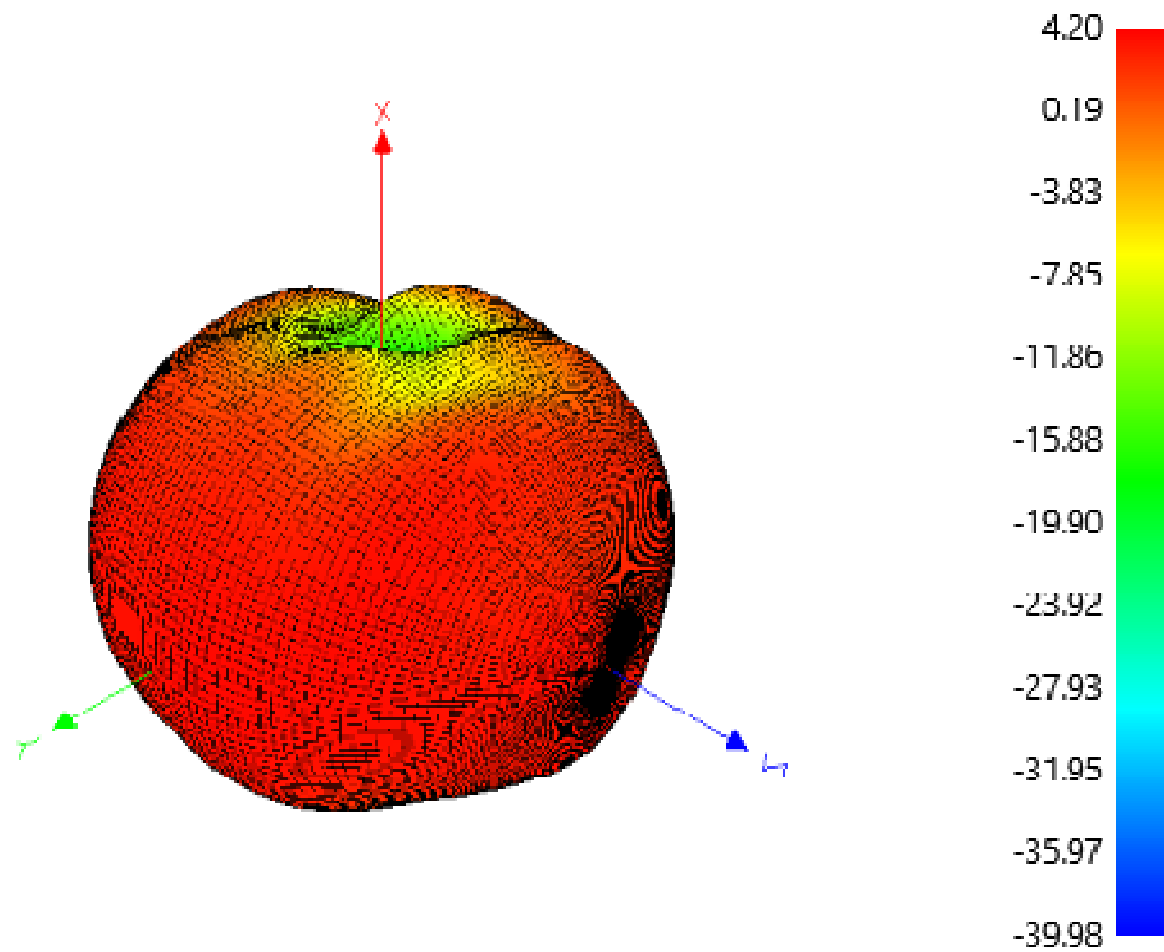
Theta: 90°



Ant TEST

3D Radiation

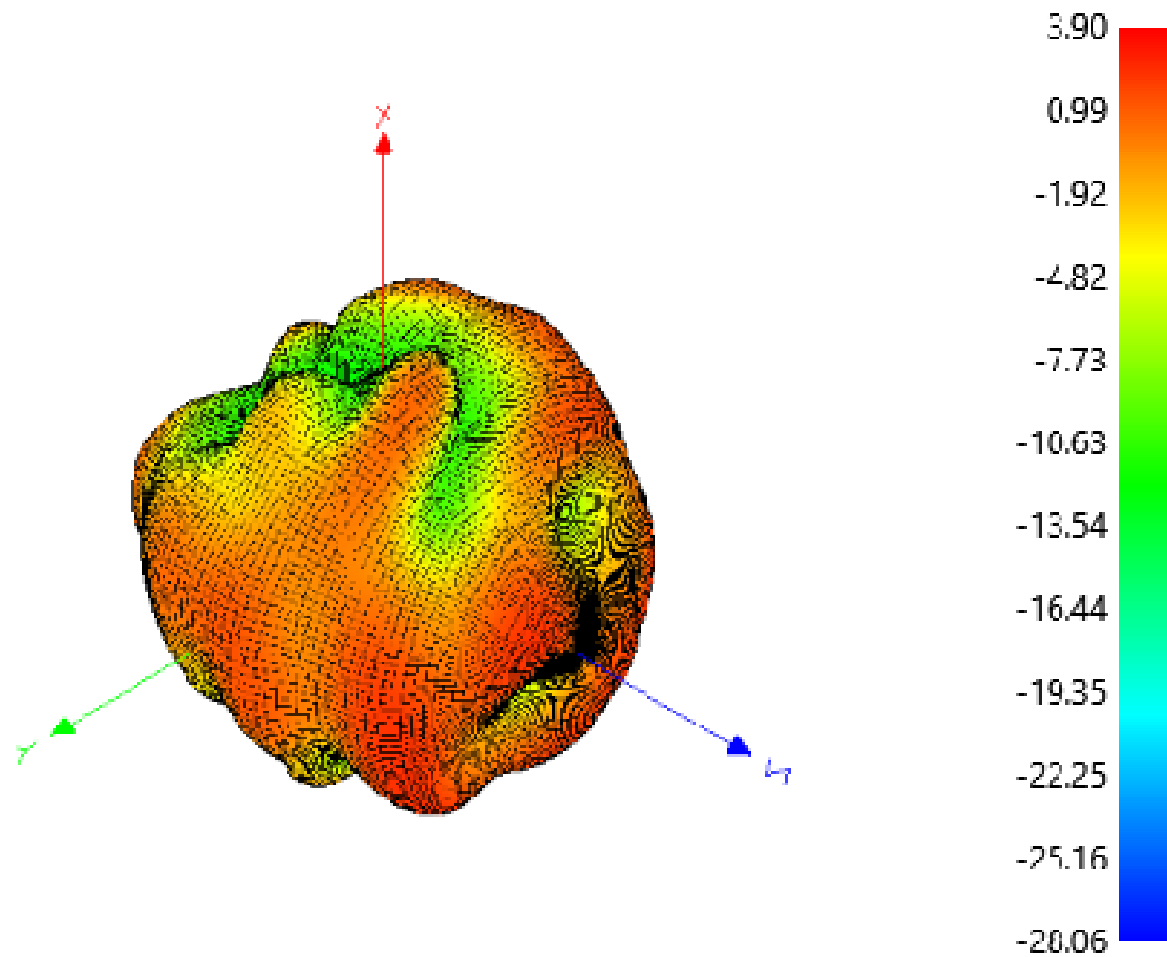
Freq: 2450MHz (AxisX)



Ant TEST

3D Radiation

Freq: 5500MHz (AxisX)



Thank You



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