

耀登电通科技(昆山)有限公司

Auden Communications & Multimedia Techno (Kunshan) Co., Ltd

JB20B无源测试报告 Antenna Evaluating Report

Contact Information:

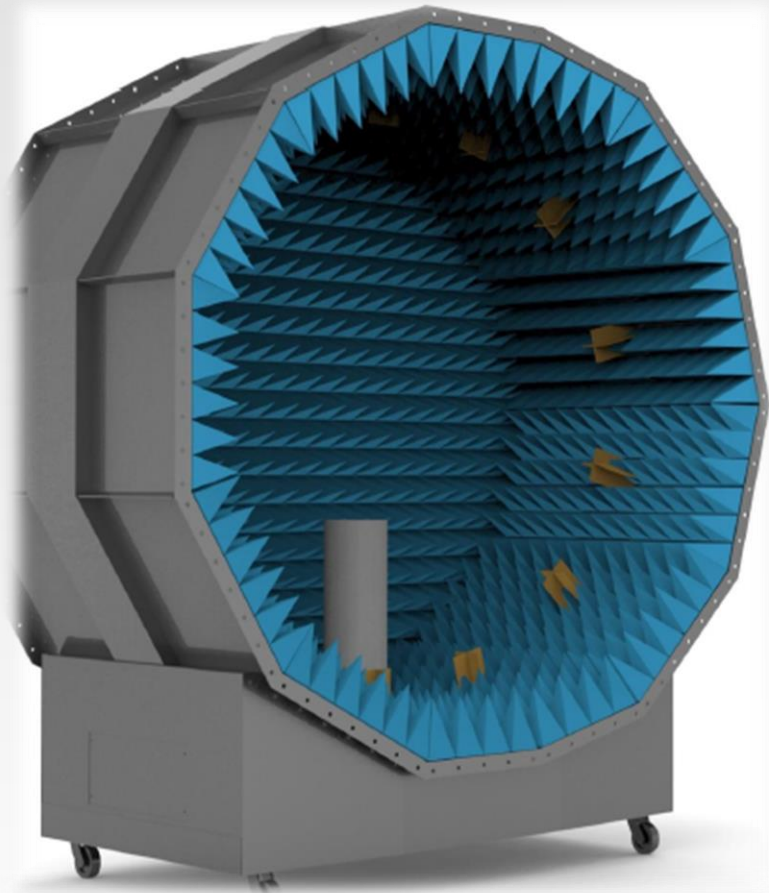
PM:
RD:
ME:

Prepared By:

Checked By :

Date of Report: 2023/09/25





- 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



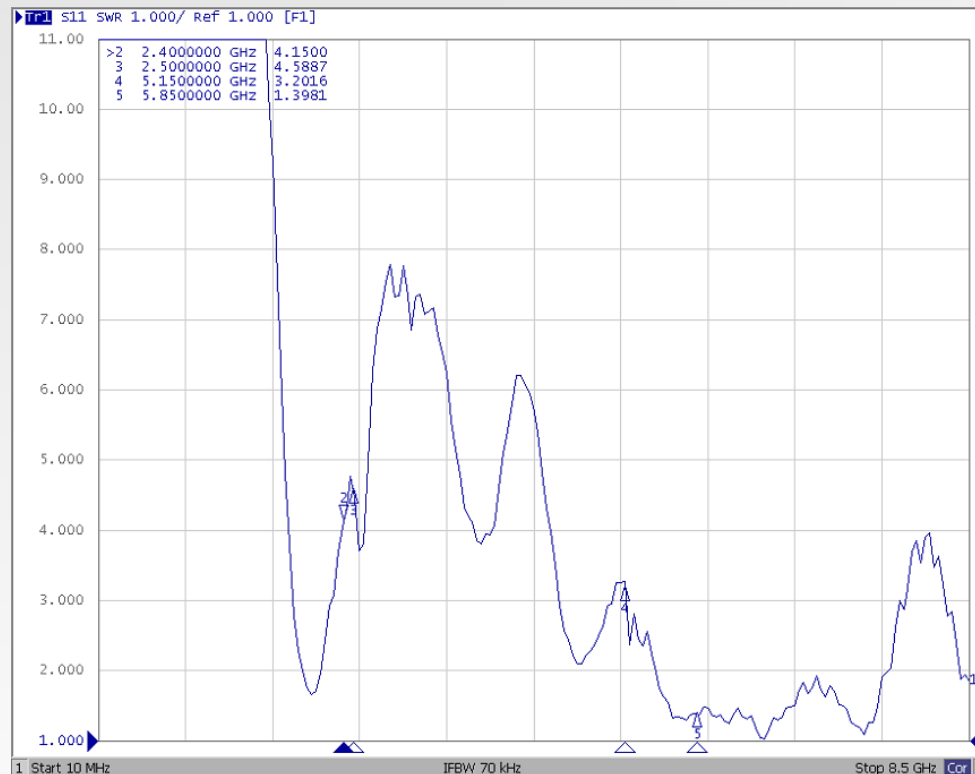
Antenna Frequency Range

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

WIFI-0Antenna standing wave & efficiency

VSWR

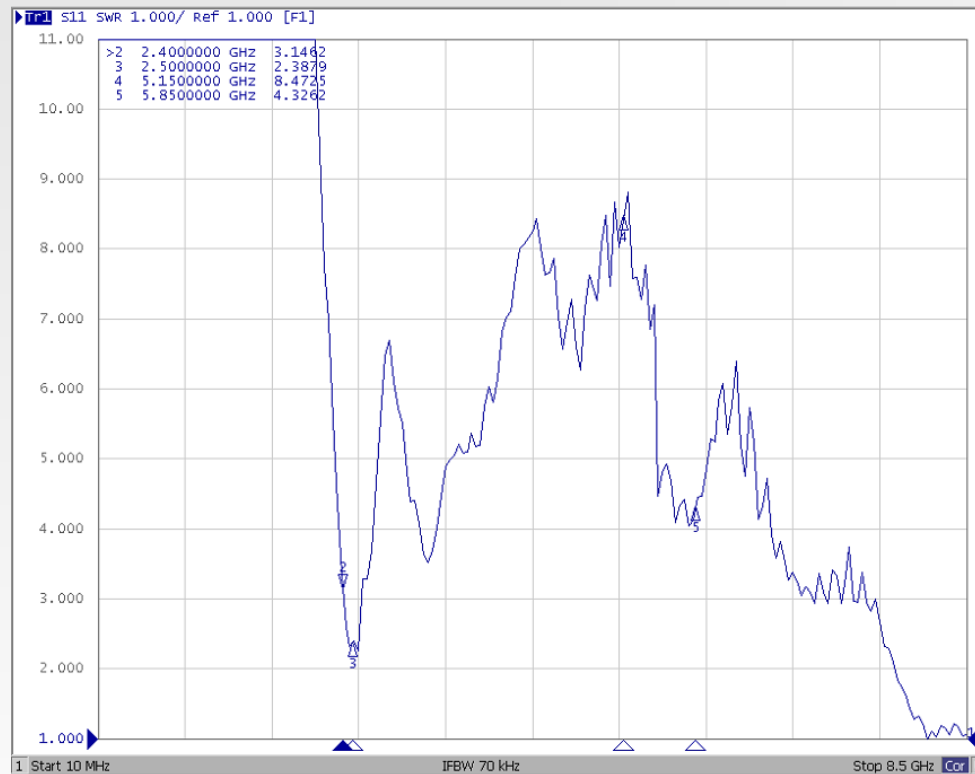
efficiency



Frequency	Efficiency Total (%)	Gain Total (dBi)	Frequency	Efficiency Total (%)	Gain Total (dBi)
2.4G	17.34	-1.49	5.15G	33.5	1.99
2.41G	18.32	-1.39	5.2G	34.91	2.66
2.42G	17.86	-1.6	5.25G	37.24	2.58
2.43G	16.87	-1.82	5.3G	37.07	2.4
2.44G	17.46	-1.59	5.35G	35.24	2.21
2.45G	17.91	-1.33	5.4G	43.15	3.51
2.46G	17.78	-1.1	5.45G	38.99	3.28
2.47G	16.26	-1.23	5.5G	35.56	3
2.48G	16.37	-1.03	5.55G	34.04	2.61
2.49G	15.7	-0.96	5.6G	33.34	2.44
2.5G	14.59	-1.13	5.65G	33.04	2.57
			5.7G	46.34	3.86
			5.75G	46.77	4.01
			5.8G	46.45	4.21
			5.85G	61.09	5.34

WIFI-1Antenna standing wave & efficiency

VSWR

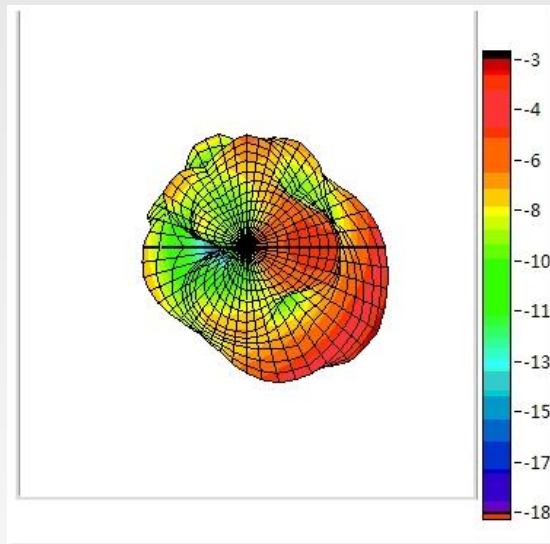


efficiency

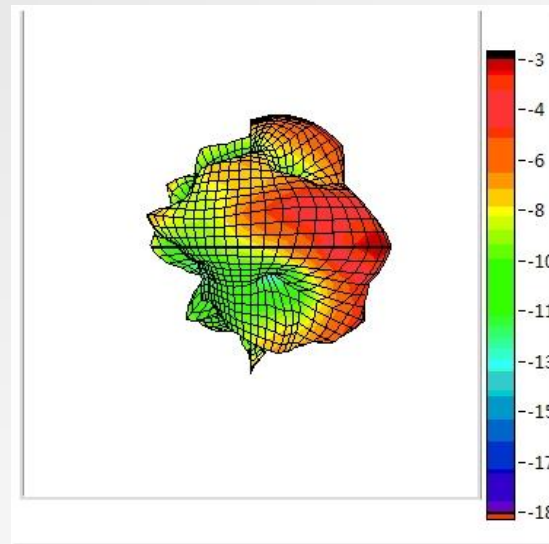
Frequency	Efficiency Total (%)	Gain Total (dBi)	Frequency	Efficiency Total (%)	Gain Total (dBi)
2.4G	33.81	0.62	5.15G	29.72	1.41
2.41G	35.16	0.65	5.2G	29.17	2.68
2.42G	35.08	0.51	5.25G	19.59	-0.27
2.43G	36.06	0.46	5.3G	20.99	-0.08
2.44G	35.89	0.42	5.35G	21.09	0.07
2.45G	38.19	0.79	5.4G	20.22	-0.74
2.46G	39.36	1.07	5.45G	21.71	0.52
2.47G	38.11	1.23	5.5G	22.71	0.32
2.48G	40.27	1.72	5.55G	23.37	0.64
2.49G	38.55	1.76	5.6G	20.52	0.44
2.5G	36.9	1.79	5.65G	21.58	0.4
			5.7G	21.79	0.24
			5.75G	19.29	0.09
			5.8G	23.13	0.14
			5.85G	22.02	0.06

WIFI-0 3D Radiation Pattern (2.45G)

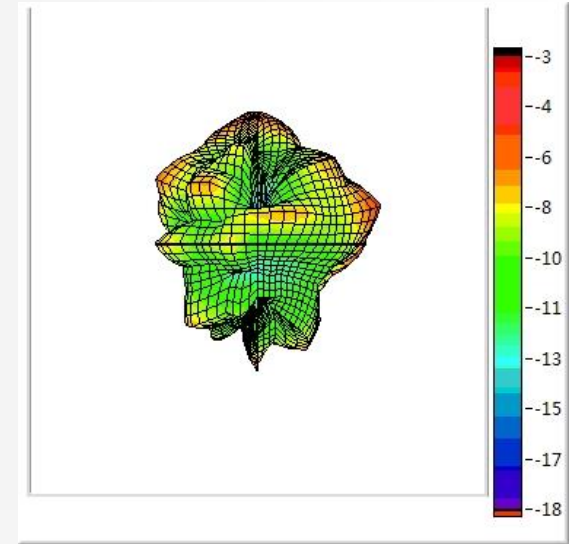
Front-Back



Up-Down



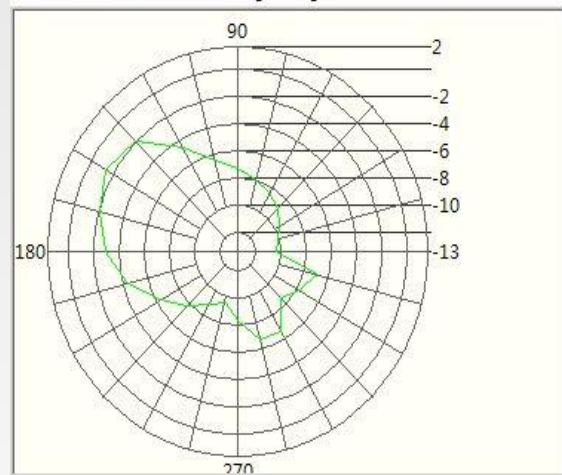
Left-Right



WIFI-0 2D Radiation Pattern (2.45G)

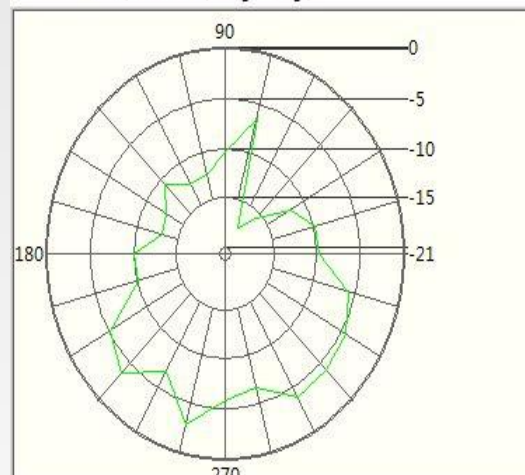
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Excel XY Plot (Value dB / Angle deg.)



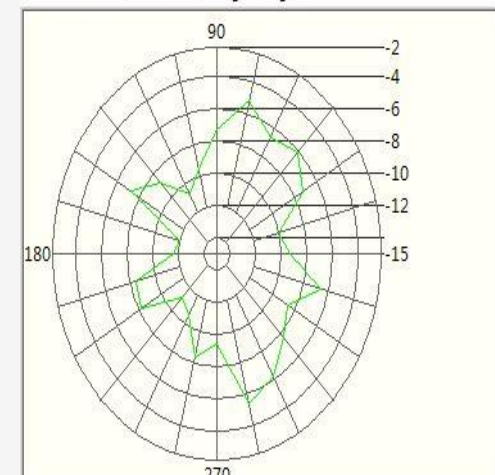
E1

Excel XY Plot (Value dB / Angle deg.)



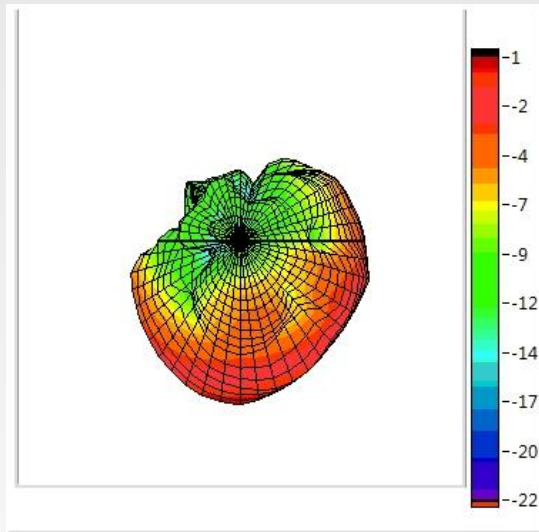
E2

Excel XY Plot (Value dB / Angle deg.)

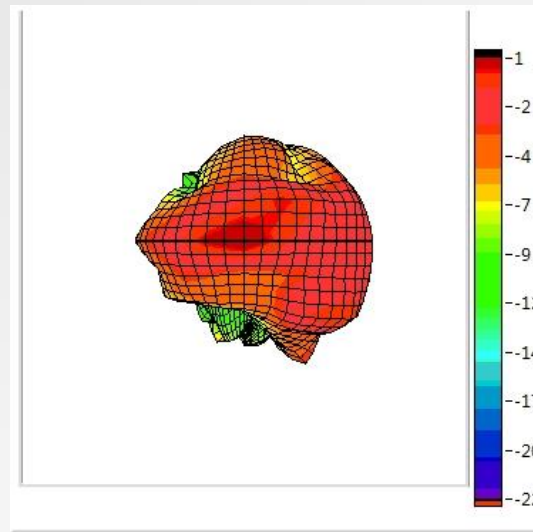


WIFI-0 3D Radiation Pattern (5.5G)

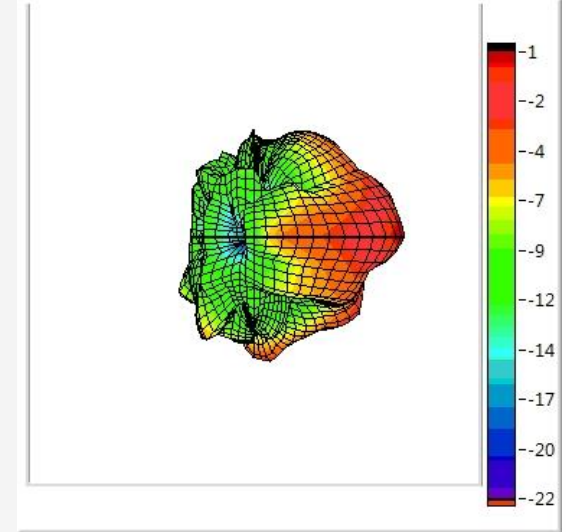
Front-Back



Up-Down

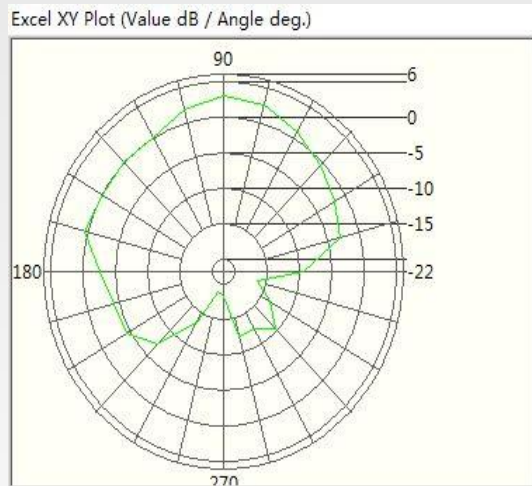


Left-Right

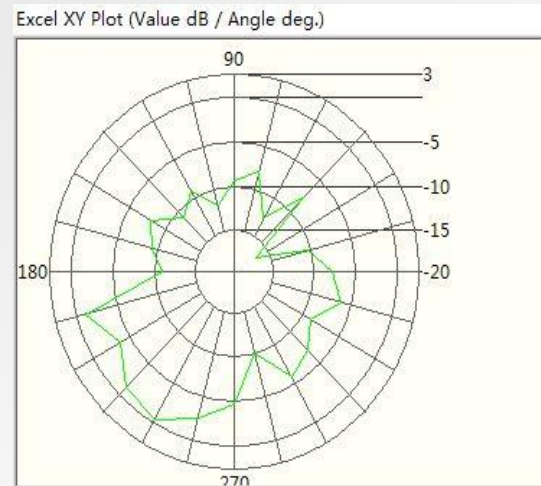


WIFI-0 2D Radiation Pattern (5.5G)

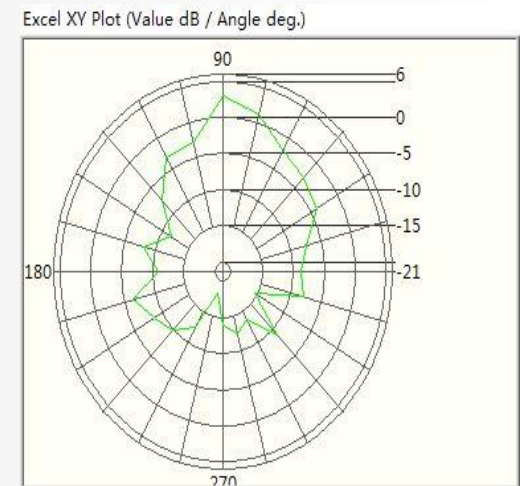
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E1

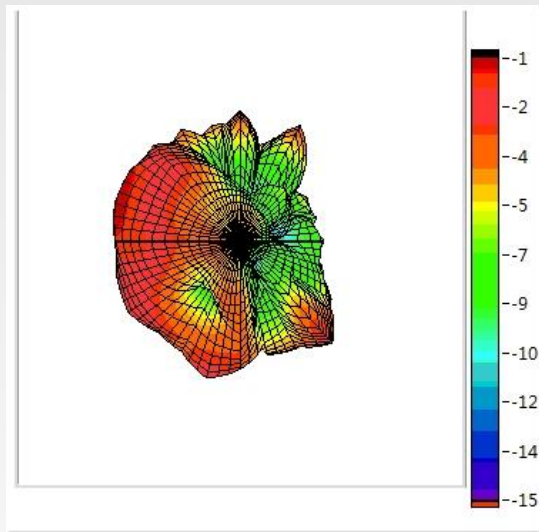


E2

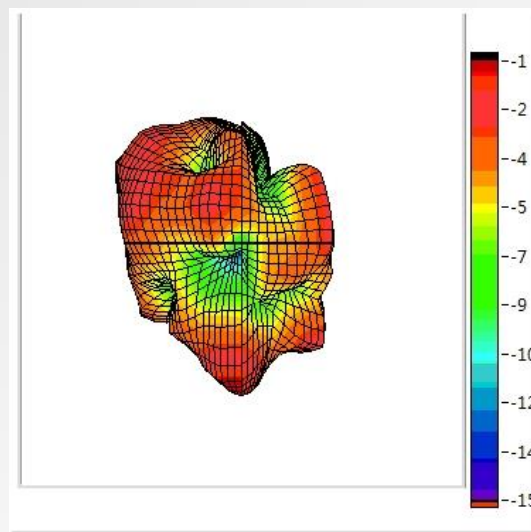


WIFI-1 3D Radiation Pattern (2.45G)

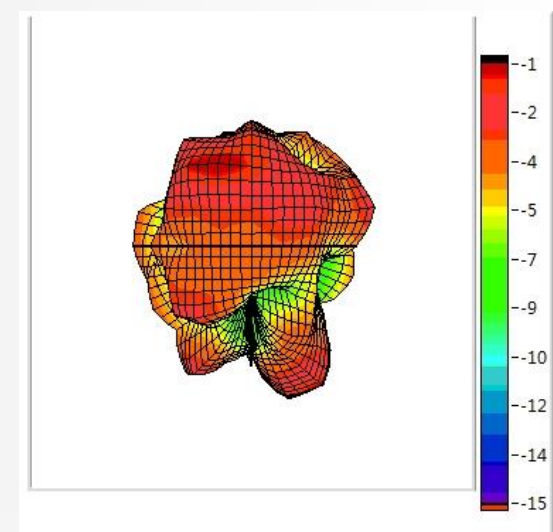
Front-Back



Up-Down

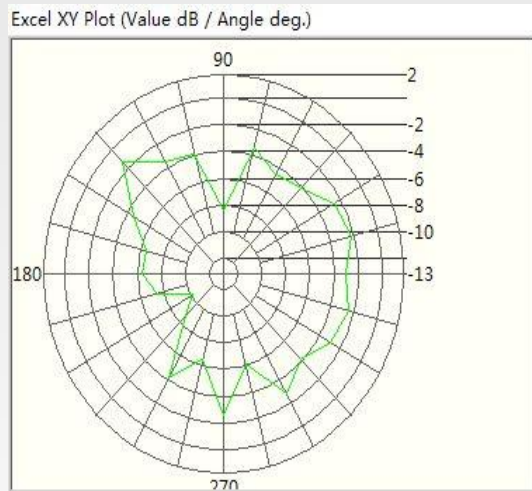


Left-Right

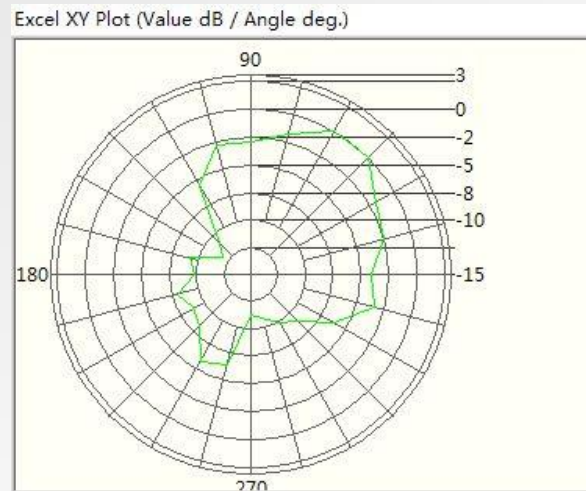


WIFI-1 2D Radiation Pattern (2.45G)

H



E1

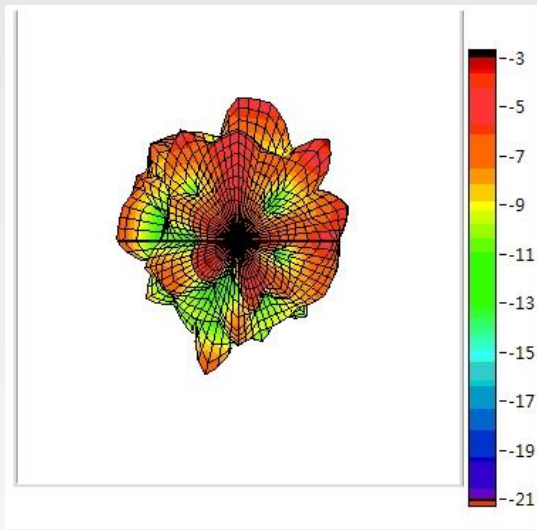


E2

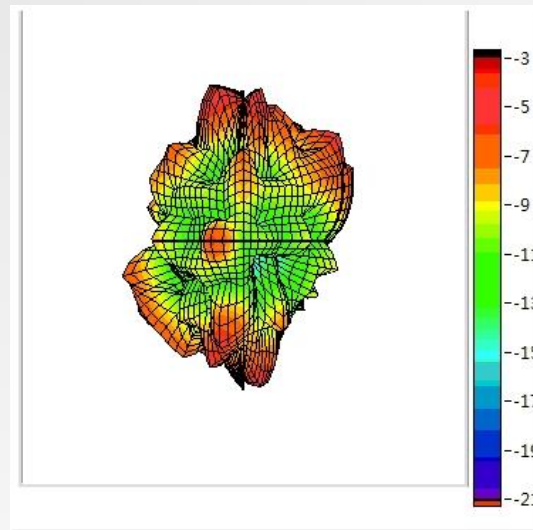


WIFI-1 3D Radiation Pattern (5.5G)

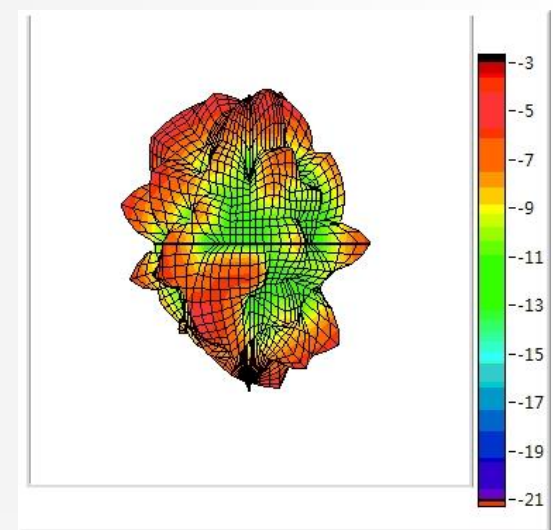
Front-Back



Up-Down

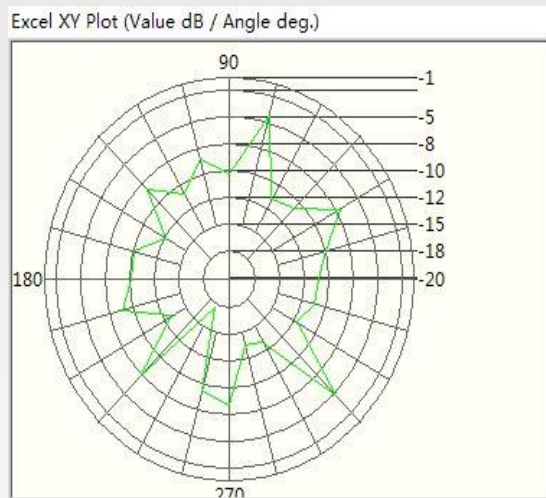


Left-Right

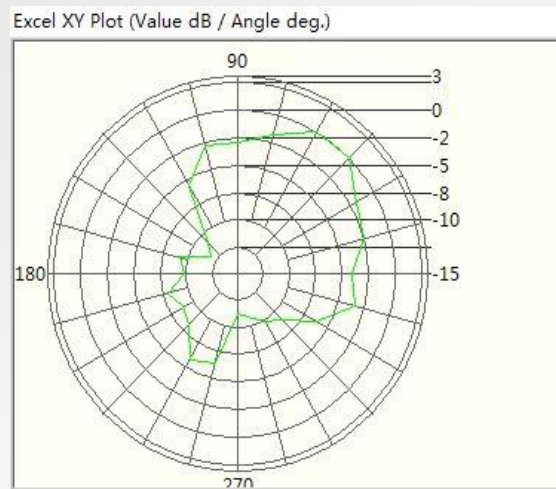


WIFI-1 2D Radiation Pattern (5.5G)

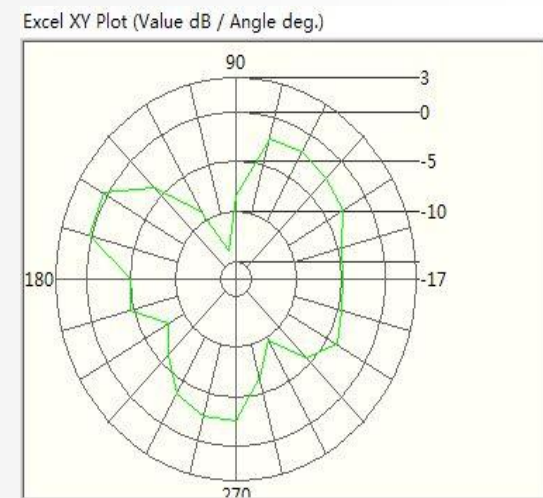
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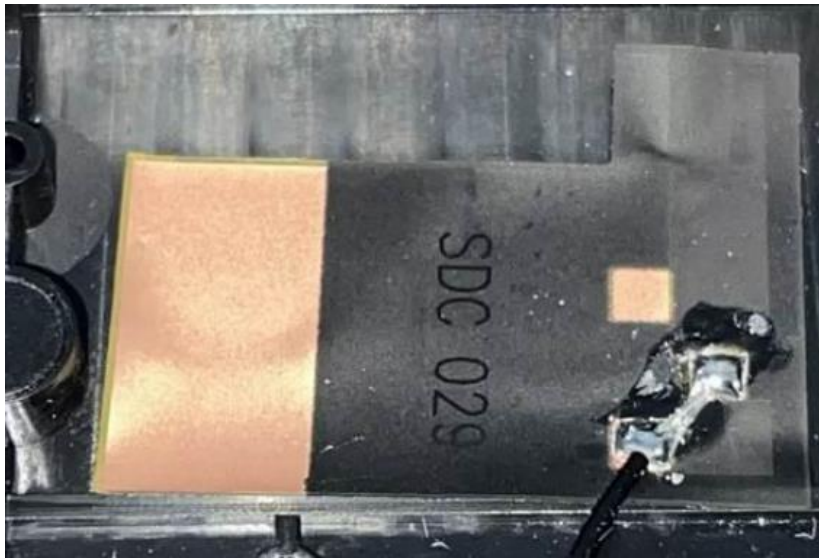


E1



E2





WIFI ANT 0



WIFI ANT 1

Thank You



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ASPIRE
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