

耀登电通科技(昆山)有限公司

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

PTWSA天线报告 *Antenna Evaluating Report*

Contact Information:

PM:
RD:
ME:

Prepared By:

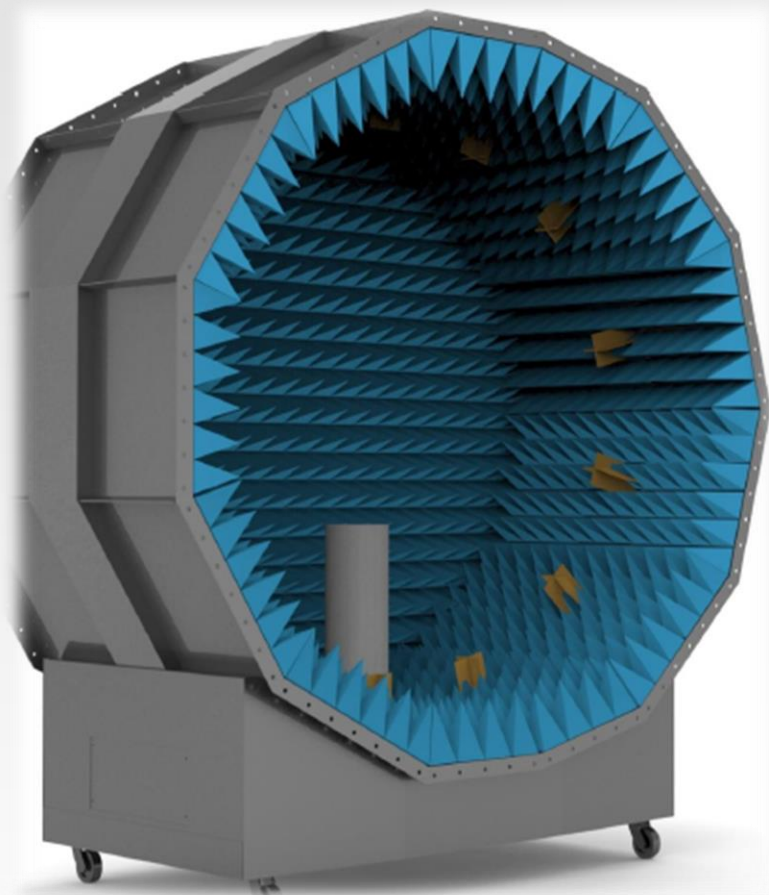
Checked By :

Date of Report: 2023/07/27



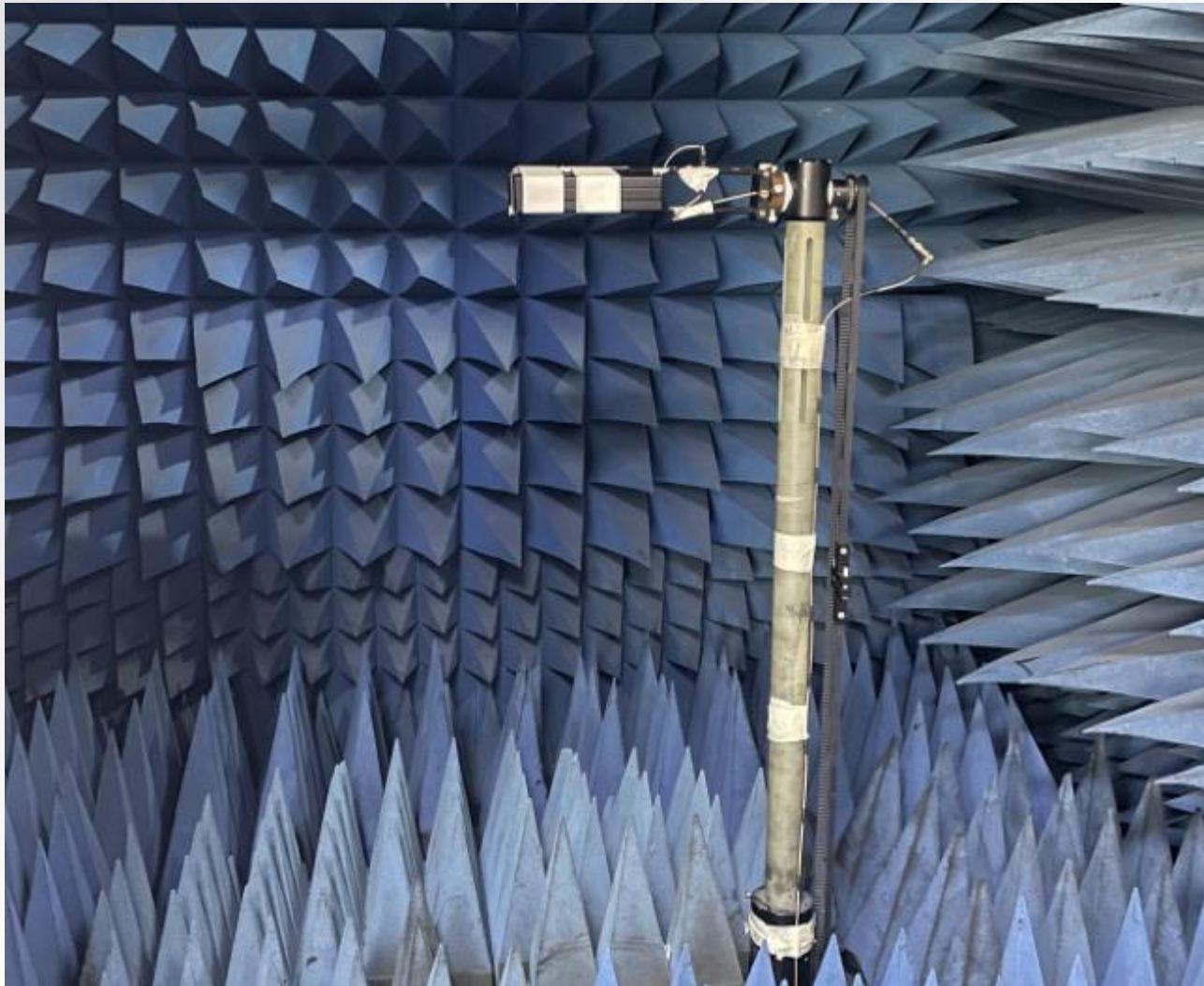
Date	Rev	Description
2023-04-07	01	初步调试
2023-07-27	02	新版验证





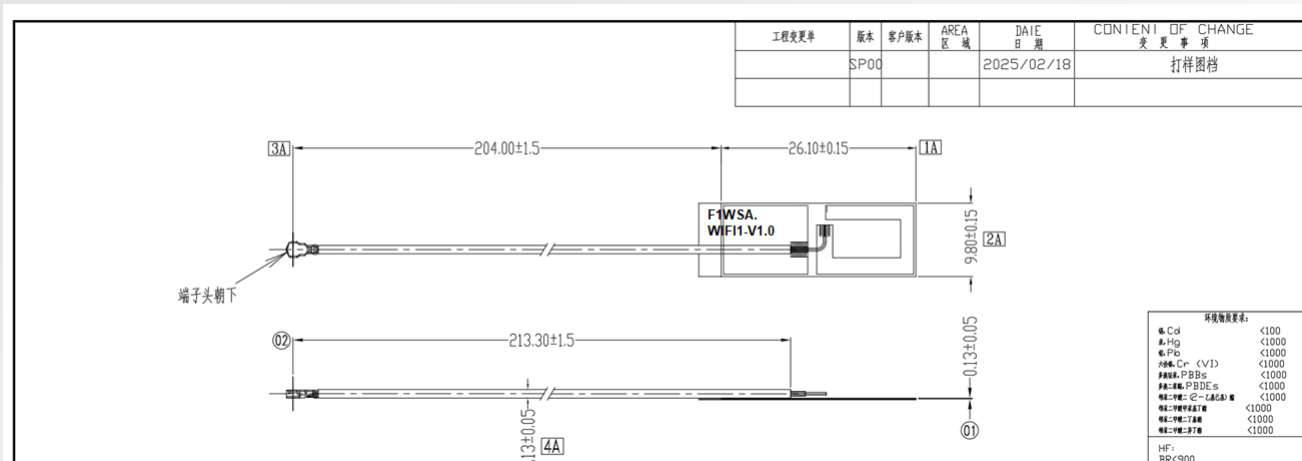
- Chamber : GTS Rayzone1800
- 网络分析仪 : Agilent E5071C
- 2G/3G综测仪 : Agilent 8960
- LTE综测仪 : Anritsu MT8820
- TD综测仪 : StarPoint SP6010
- WIFI综测仪 : CMW500
- GPS信号源 : Agilent E4438C







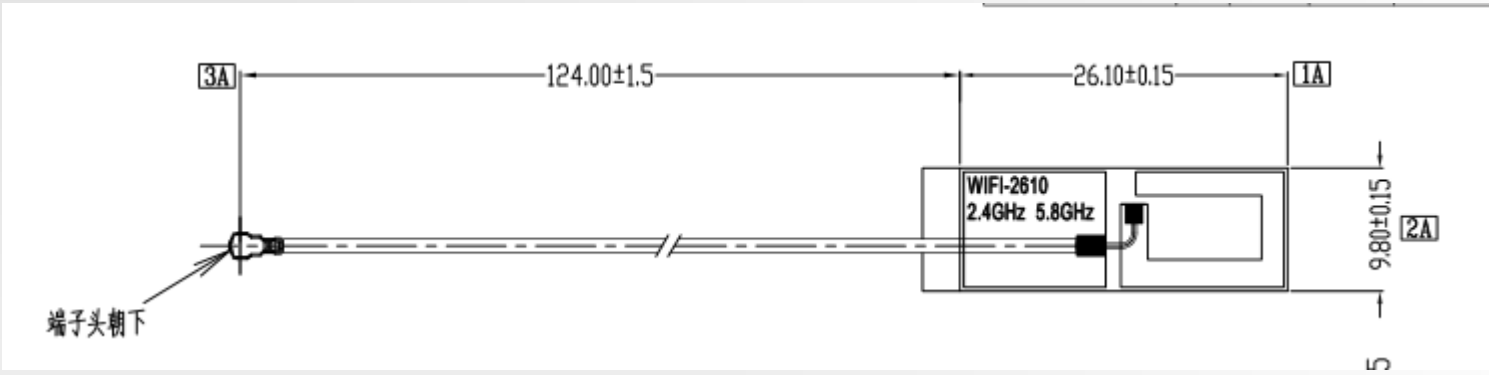
AUK02400B-WIFI1



Cable Loss (dB)	Connector Type	Cable Length (mm)
0.5 dB @2.4G 0.8dB @5G 0.9 dBi @ 5.925~6.425GHz 1 dBi @6425~6525GHz 1 dBi @6.525~6.875GHz	i-pex(MHF)	204mm



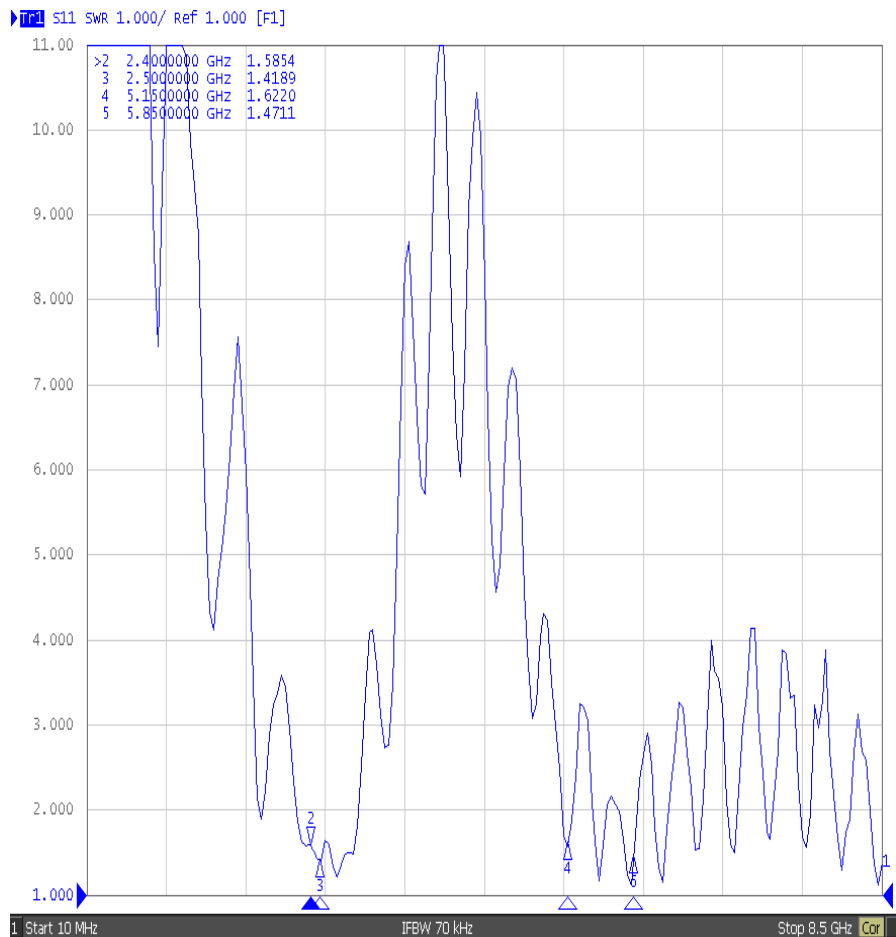
AUK02400B-WIFI2



Cable Loss (dB)	Connector Type	Cable Length (mm)
0.5 dB @2.4G 0.8dB @5G 0.9 dBi @ 5.925~6.425GHz 1 dBi @6425~6525GHz 1 dBi @6.525~6.875GHz 1 dBi @6.875~7.125GHz	i-pex(MHF)	134mm



WIFI1 VSWR



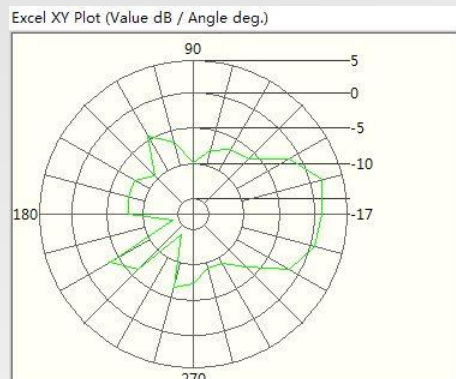
效率&增益

Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)
2.4G	48.42	2.29	5.15G	47.36	3.52	5.9G	42.07	2.78
2.41G	48.53	2.29	5.2G	56.21	3.74	5.95G	41.88	2.93
2.42G	47.64	2.23	5.25G	49.2	3.66	6G	43.25	3.55
2.43G	45.08	2.07	5.3G	48.96	3.54	6.1G	33.73	2.46
2.44G	47.86	2.24	5.35G	47.36	3.36	6.2G	35.24	2.05
2.45G	52.12	2.41	5.4G	41	3.3	6.3G	35.4	1.29
2.46G	52.36	2.34	5.45G	48.88	3.58	6.4G	37.06	1.88
2.47G	50.47	2.39	5.5G	44.68	2.73	6.5G	35.13	1.26
2.48G	51.29	2.34	5.55G	39.96	1.37	6.6G	35.71	1.63
2.49G	49.2	2.31	5.6G	45.28	2.43	6.7G	33.58	1.05
2.5G	46.45	2.39	5.65G	47.86	2.95	6.8G	31.01	1.29
			5.7G	50.41	3.65	6.9G	33.04	0.98
			5.75G	47.18	3.41	7G	31.68	1.39
			5.8G	45.56	3.03	7.1G	33.38	1.42
			5.85G	46.93	2.92	7.15G	29.02	1.24

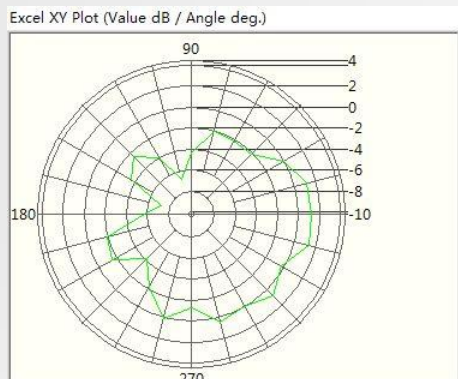
WIFI1-2D辐射方向图

2450MHz

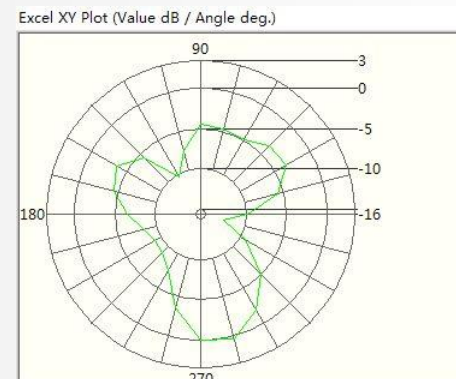
E1



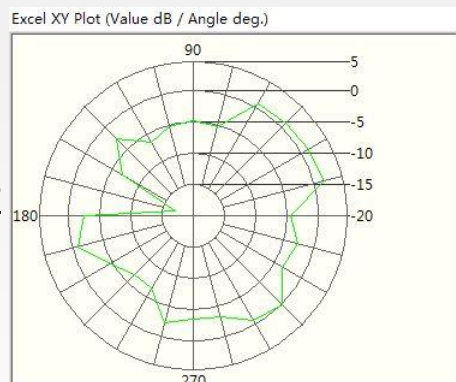
E2



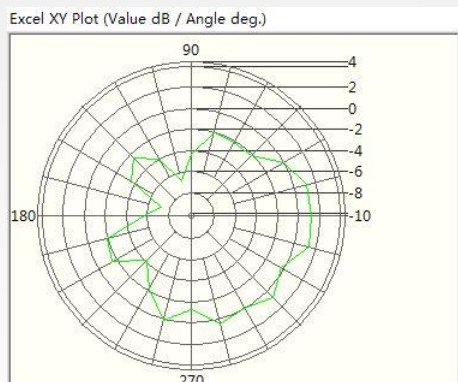
H



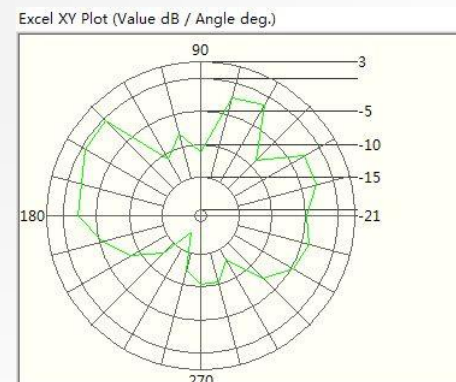
E1



E2

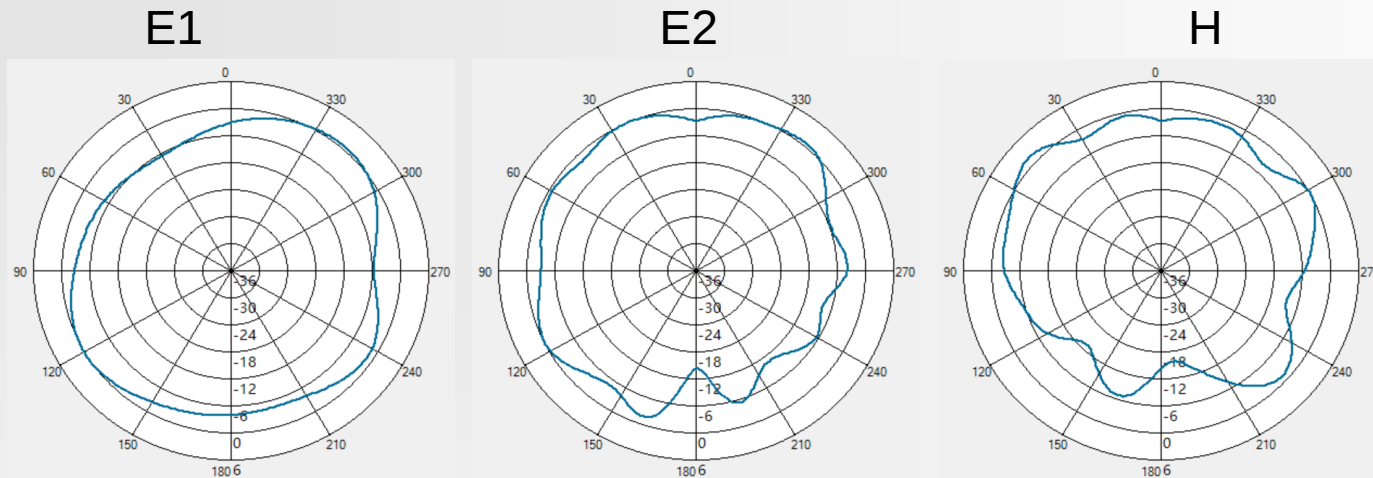


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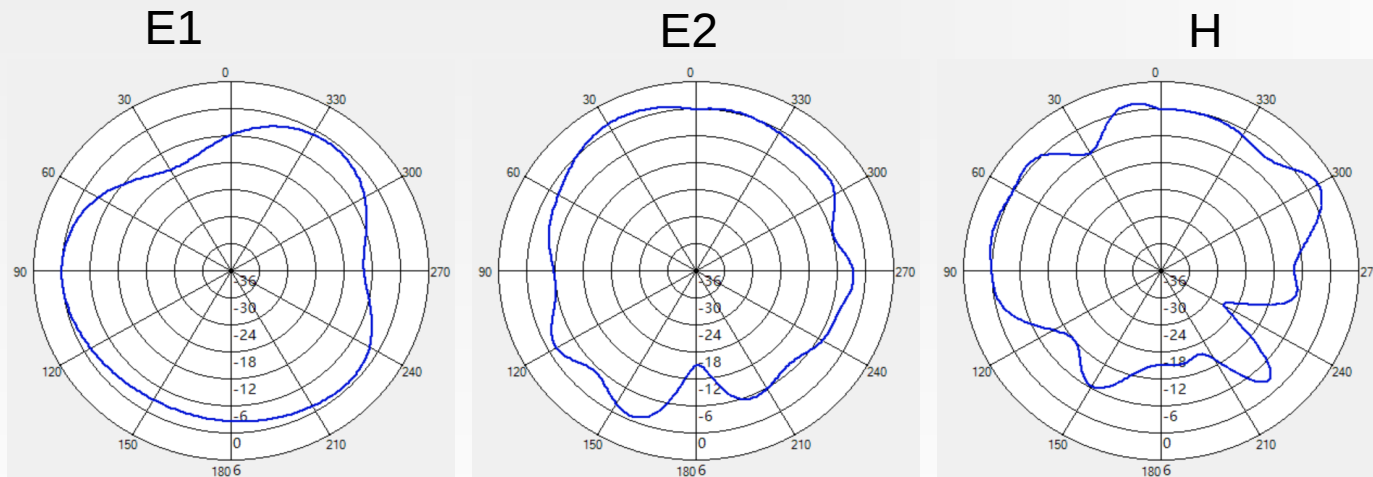


WIFI1-2D辐射方向图

6000MHz

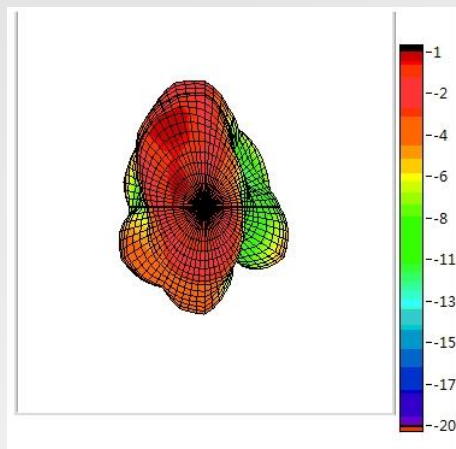


7000MHz

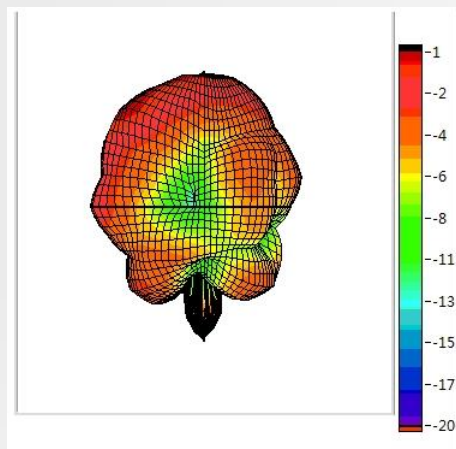


WIFI1-3D辐射方向图

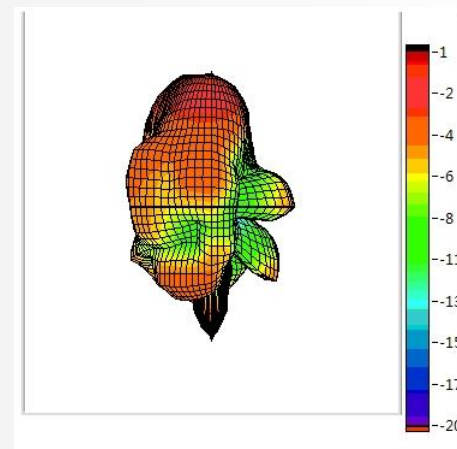
Front-Back



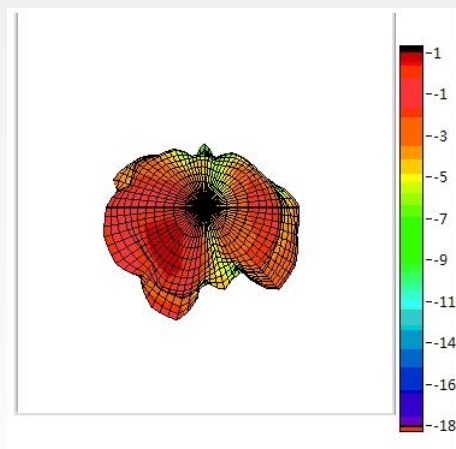
Left-Right



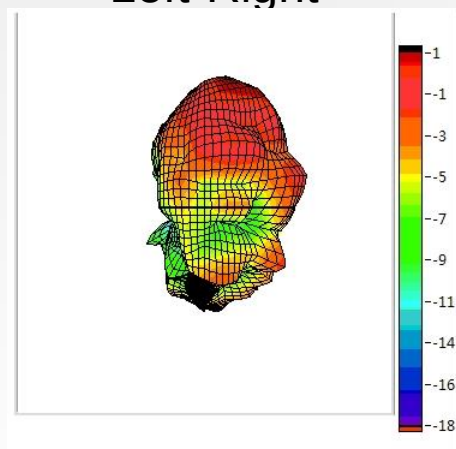
Up-Down



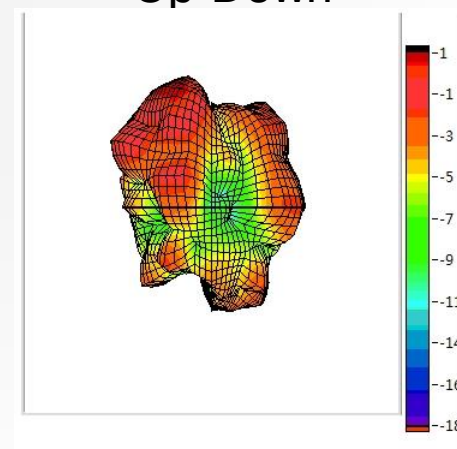
Front-Back



Left-Right

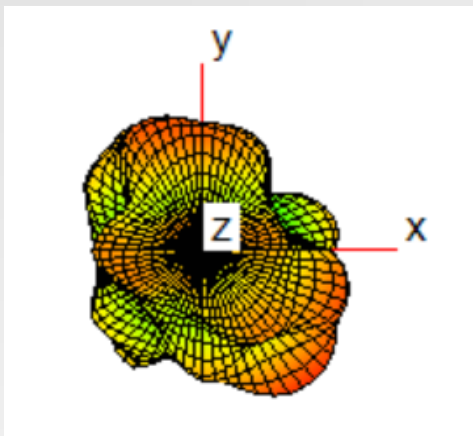


Up-Down

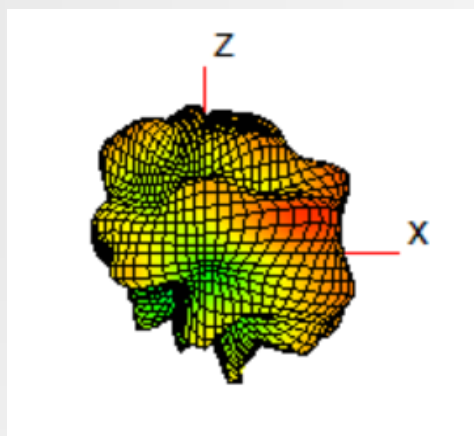


WIFI1-3D辐射方向图

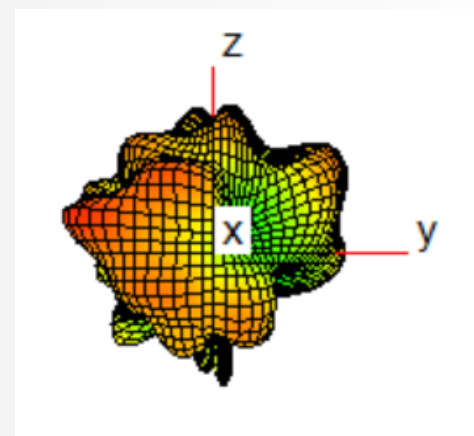
Front-Back



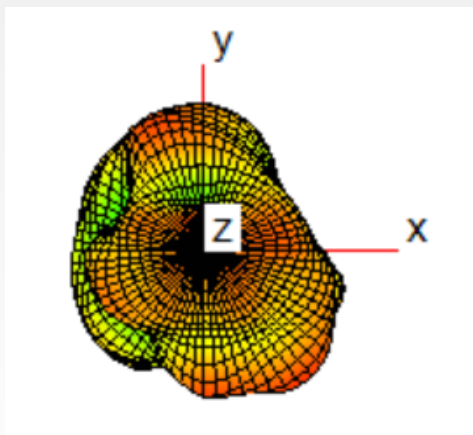
Left-Right



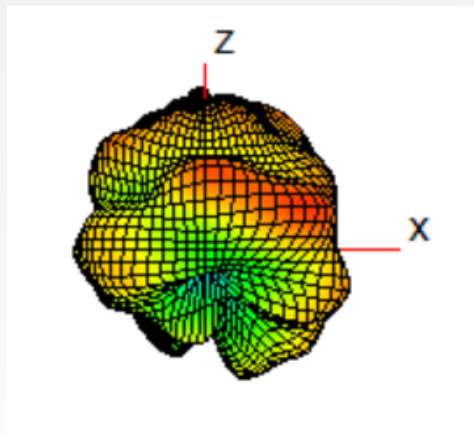
Up-Down



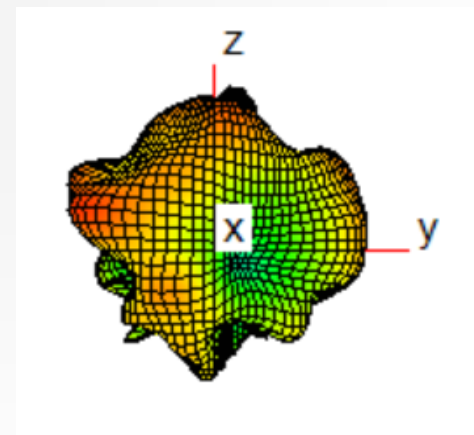
Front-Back



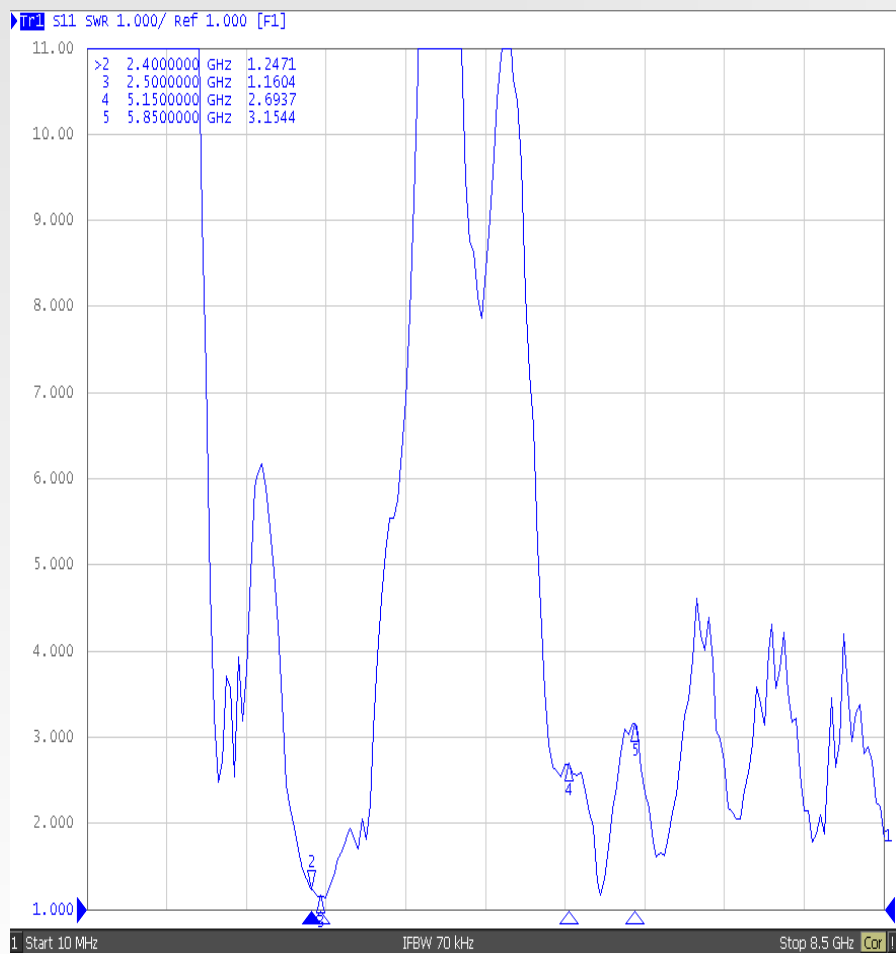
Left-Right



Up-Down



WIFI2 VSWR



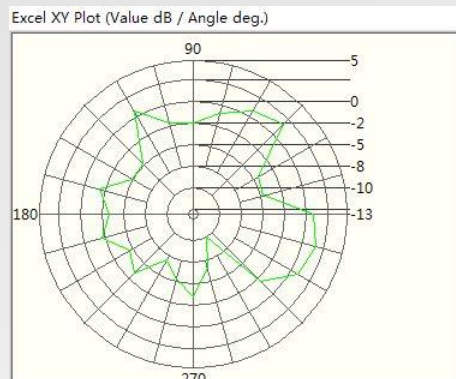
效率&增益

Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)
2.4G	47.53	2.29	5.15G	43.11	3.71	5.9G	47.32	3.18
2.41G	43.85	1.87	5.2G	42.86	3.83	5.95G	44.98	3.11
2.42G	43.45	1.79	5.25G	45.55	3.85	6G	46.77	3.58
2.43G	40.18	1.36	5.3G	42.93	3.73	6.1G	36.39	3.06
2.44G	38.55	1.15	5.35G	46.11	3.66	6.2G	35.97	2.98
2.45G	40.64	1.2	5.4G	41.14	3.68	6.3G	37.07	3.17
2.46G	38.55	1.04	5.45G	43.41	3.31	6.4G	38.53	2.92
2.47G	38.82	1.06	5.5G	47.35	2.97	6.5G	34.98	2.83
2.48G	39.54	1.2	5.55G	38.16	1.08	6.6G	32.58	2.62
2.49G	38.64	1.05	5.6G	39.19	1.18	6.7G	37.53	3.31
2.5G	37.67	0.89	5.65G	41.83	1.93	6.8G	34.57	2.66
			5.7G	45.88	2.38	6.9G	33.1	2.87
			5.75G	44.89	2.14	7G	35.71	2.52
			5.8G	50.2	2.91	7.1G	37.36	2.39
			5.85G	55.32	3.48	7.15G	36.41	2.33

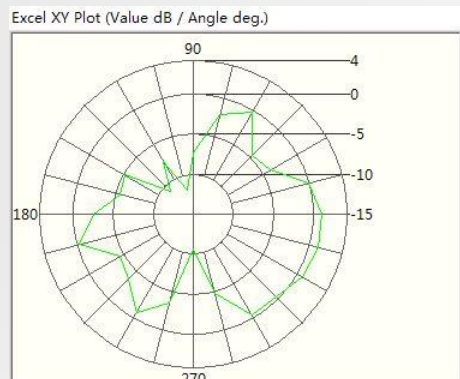
WIFI2-2D辐射方向图

2450MHz

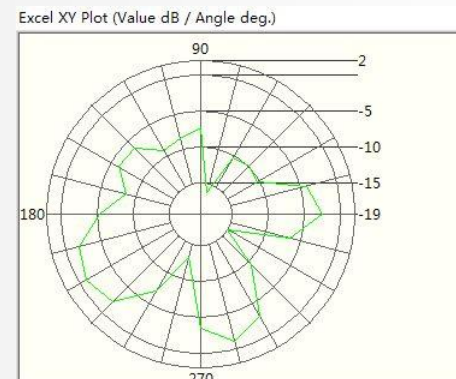
E1



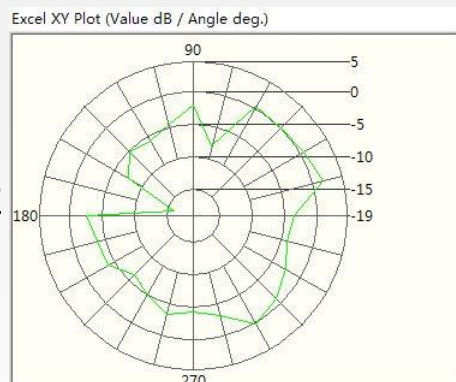
E2



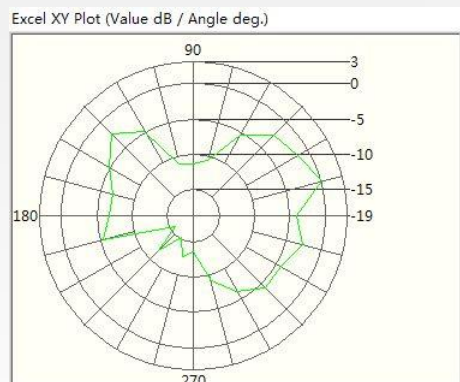
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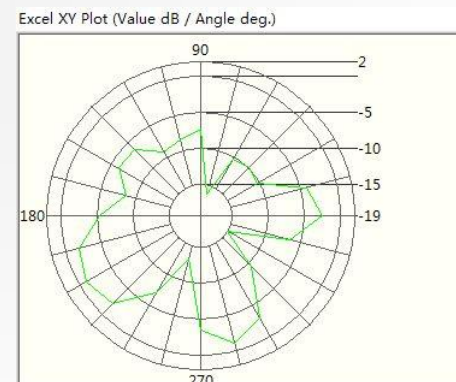
E1



E2



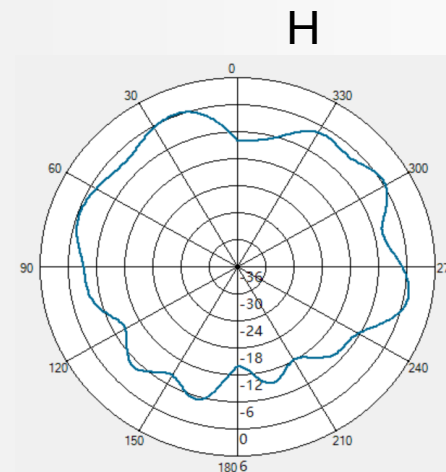
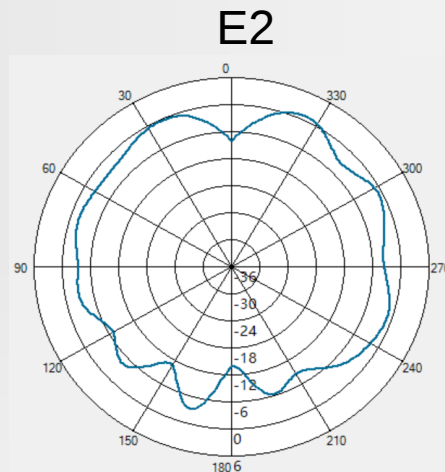
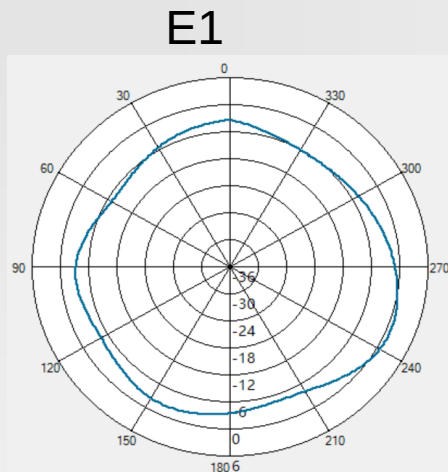
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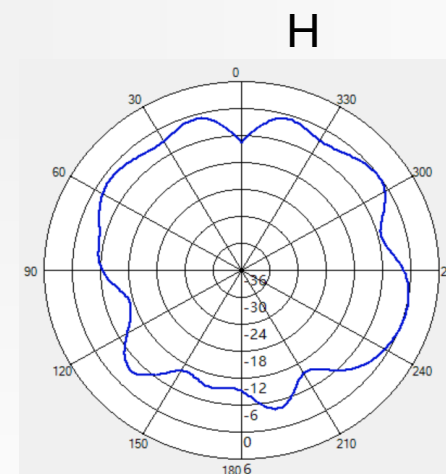
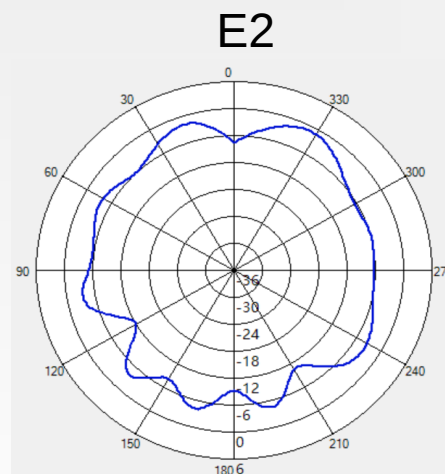
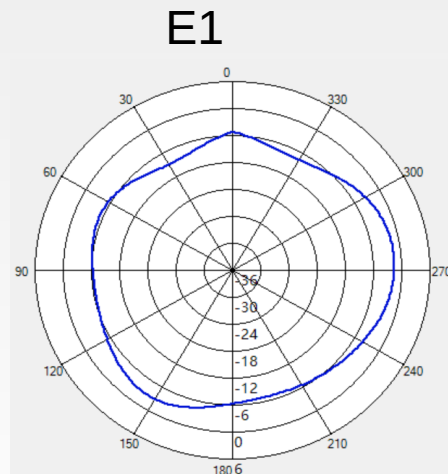
5500MHz

WIFI2-2D辐射方向图

6000MHz

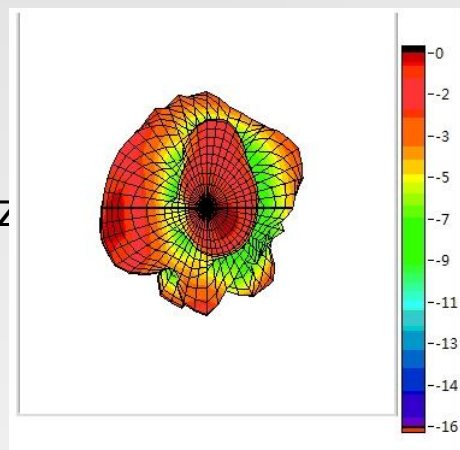


7000MHz

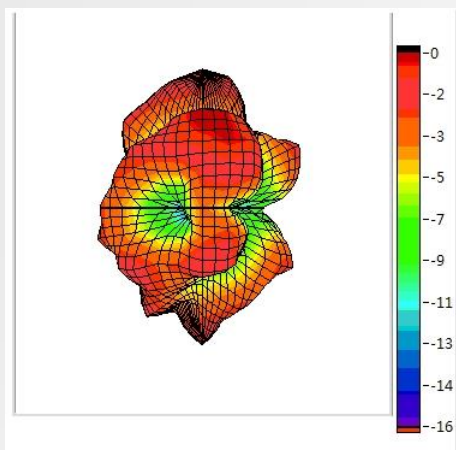


WIFI2-3D辐射方向图

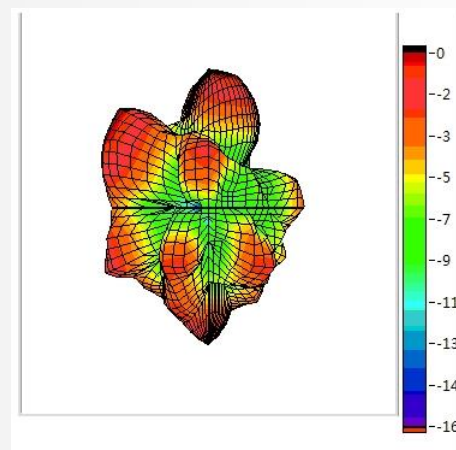
Front-Back



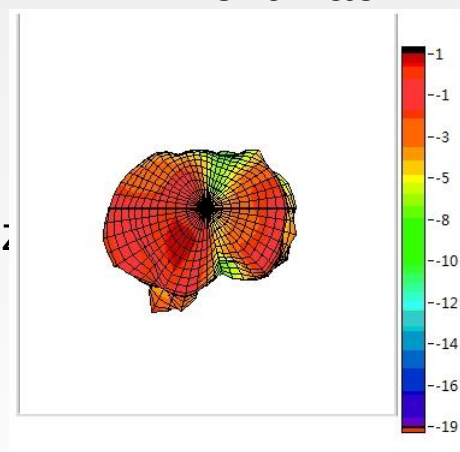
Left-Right



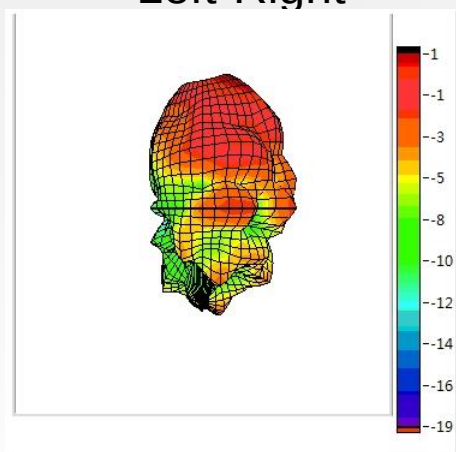
Up-Down



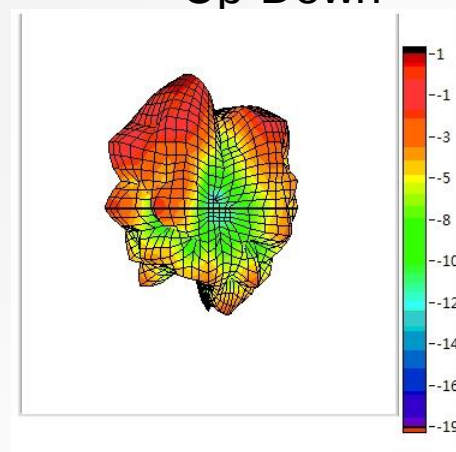
Front-Back



Left-Right



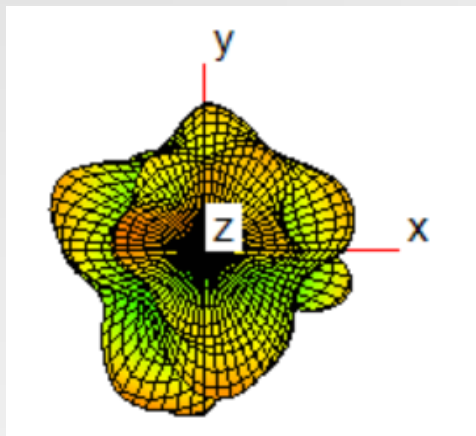
Up-Down



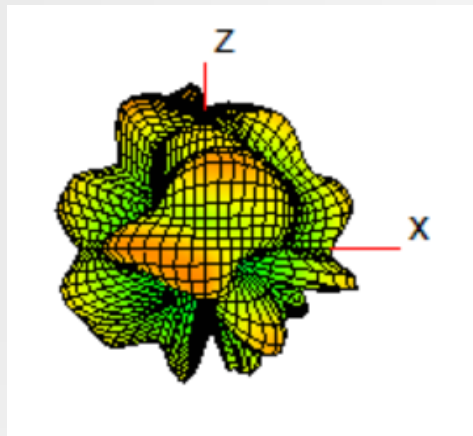
WIFI2-3D辐射方向图

6000MHz

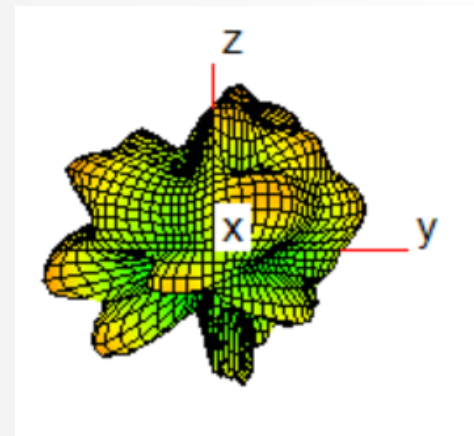
Front-Back



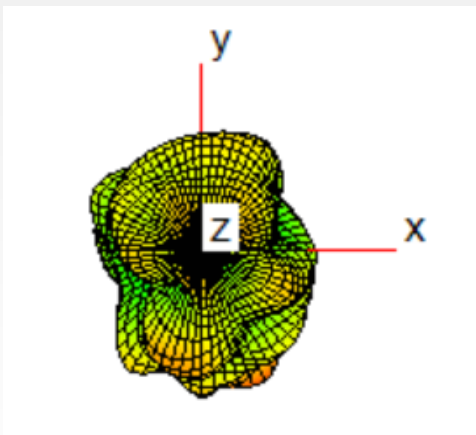
Left-Right



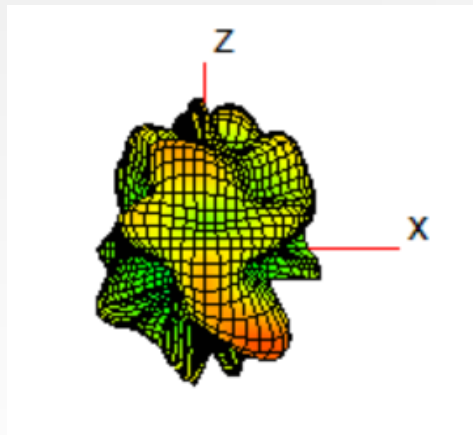
Up-Down



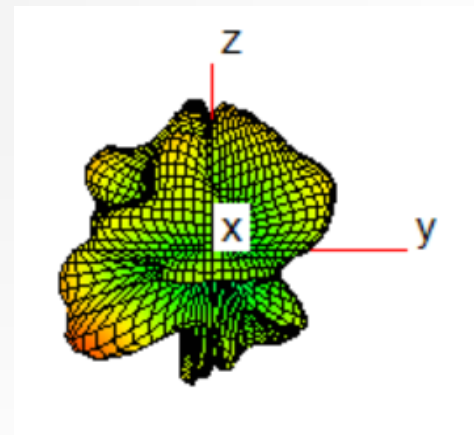
Front-Back



Left-Right



Up-Down



Thank You



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