

耀登电通科技(昆山)有限公司

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

AHBTB天线报告 *Antenna Evaluating Report*

Contact Information:

PM:
RD:
ME:

Prepared By:

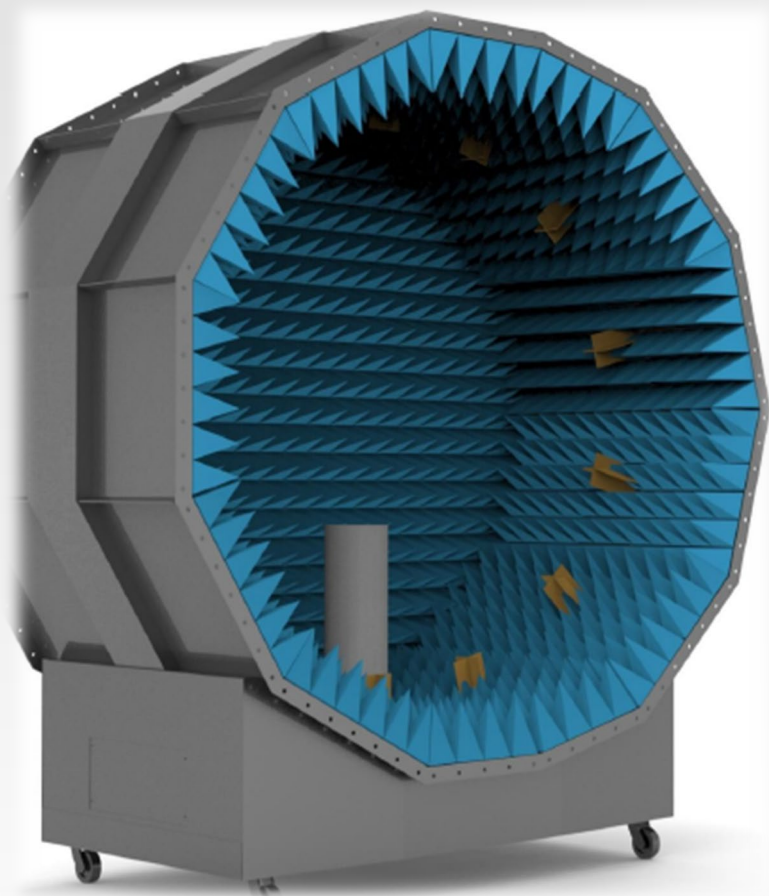
Checked By :

Date of Report: 2023/12/20



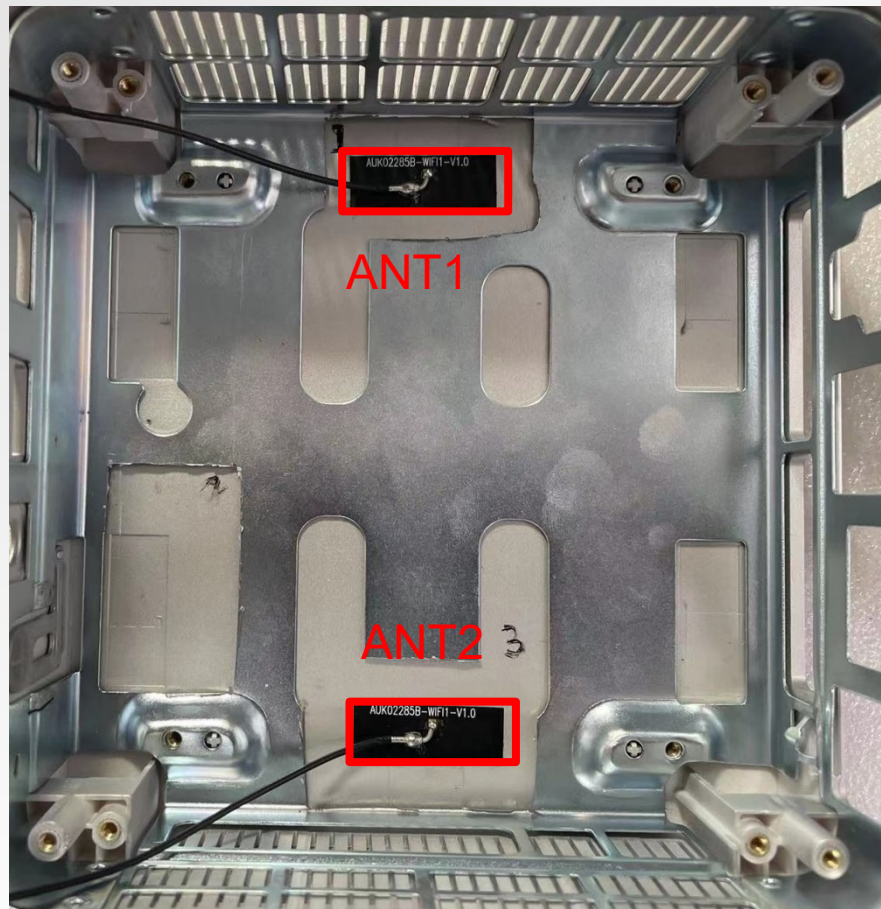
Date	Rev	Description
2023-12-20	01	调试报告



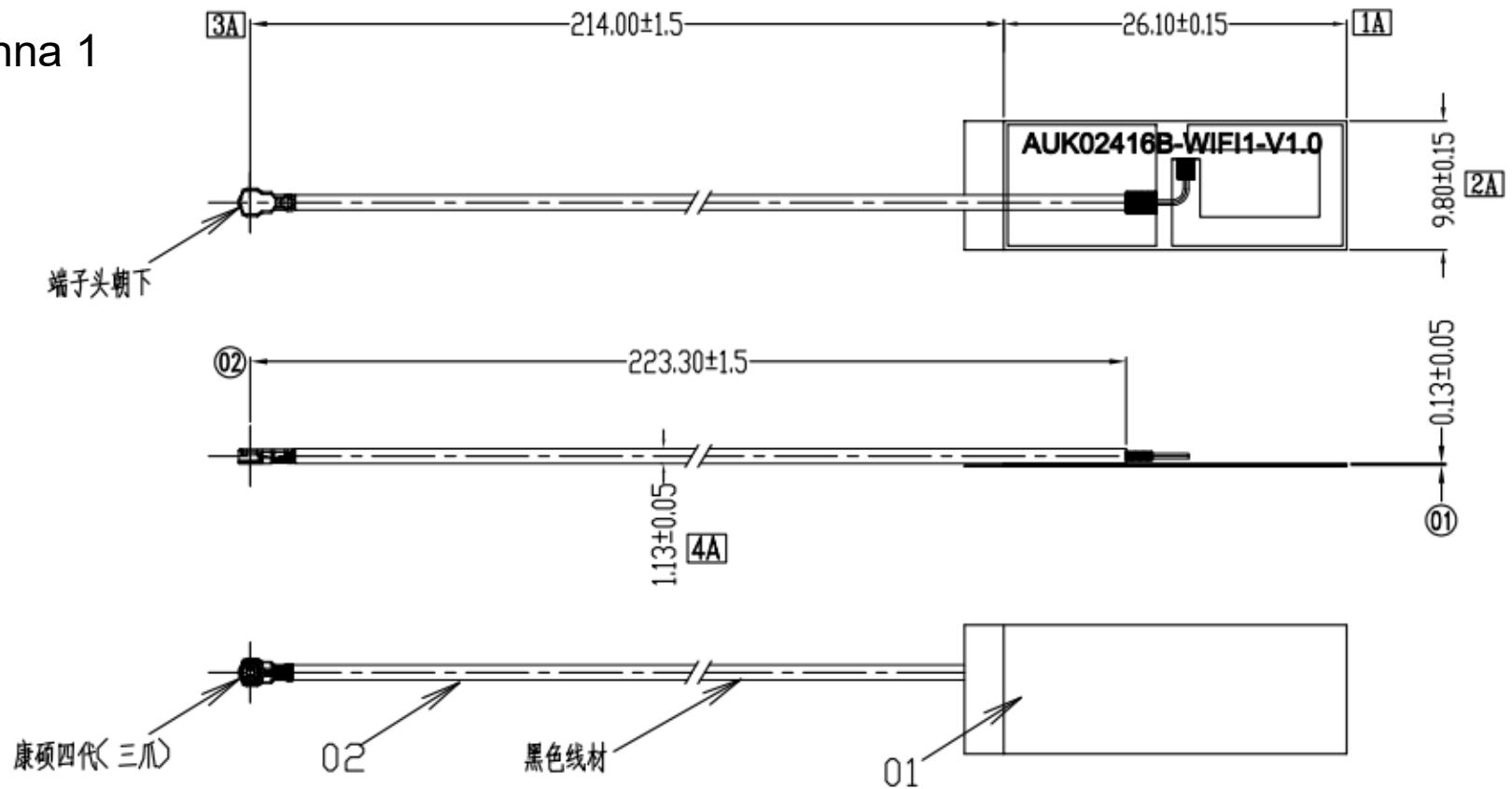


- Chamber : GTS Rayzone1800
- 网络分析仪 : Agilent E5071C
- 2G/3G综测仪 : Agilent 8960
- LTE综测仪 : Anritsu MT8820
- TD综测仪 : StarPoint SP6010
- WIFI综测仪 : CMW500
- GPS信号源 : Agilent E4438C

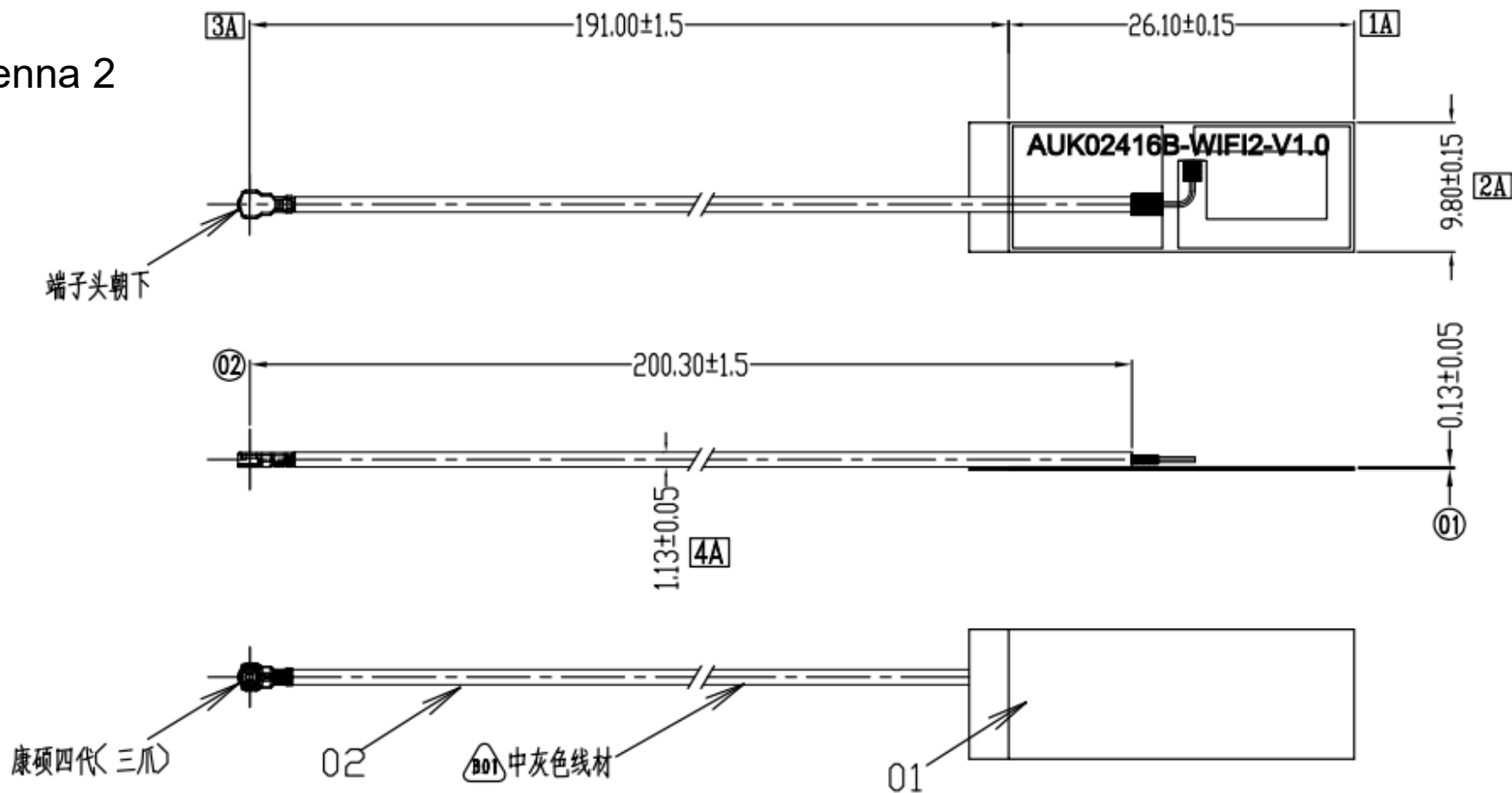




Antenna 1

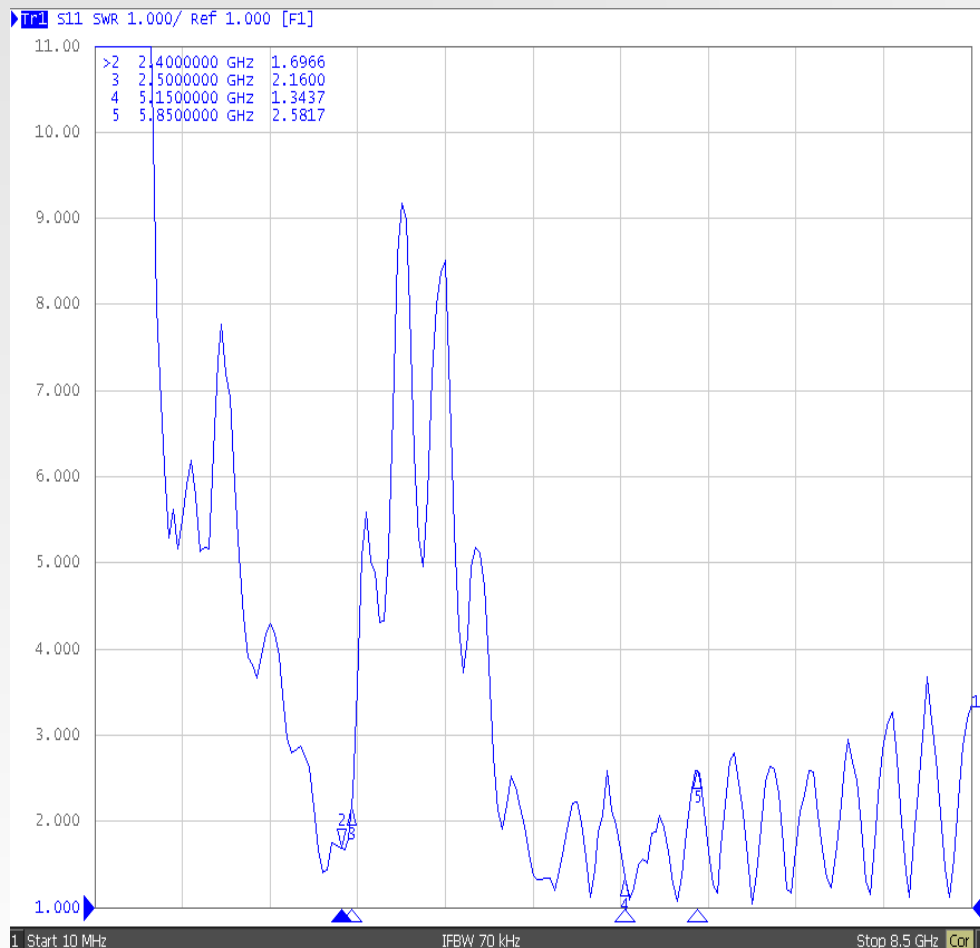


Antenna 2



Passive antenna data

ANT1 VSWR



效率&增益

Freq	Effi(%)	Gain(dB i)	Freq	Effi(%)	Gain(dB i)
2.4G	46.64	2.57	5.15G	54.2	4.36
2.41G	46.06	2.47	5.2G	56.62	4.41
2.42G	47.41	2.57	5.25G	51.4	4.31
2.43G	49.08	2.64	5.3G	50.23	4.03
2.44G	48.02	2.22	5.35G	48.87	3.8
2.45G	51.98	2.53	5.4G	44.55	3.35
2.46G	51.78	2.48	5.45G	41.36	2.29
2.47G	52.07	2.76	5.5G	42.56	3.14
2.48G	52.76	2.86	5.55G	40.63	3.02
2.49G	49.63	2.86	5.6G	40.46	3.3
2.5G	46.73	2.71	5.65G	40.63	2.99
			5.7G	45.81	3.1
			5.75G	43.55	2.95
			5.8G	41.41	2.81
			5.85G	52.12	4.13

ANT1-2D Radiation pattern

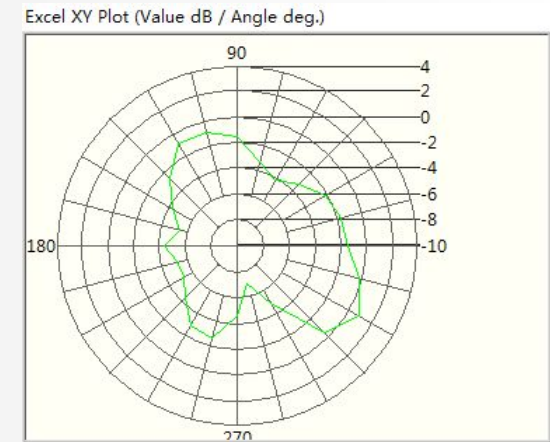
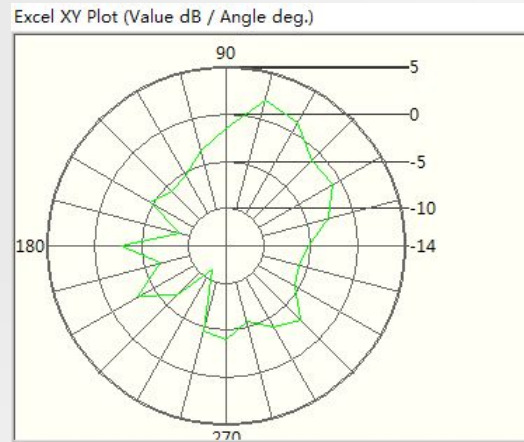
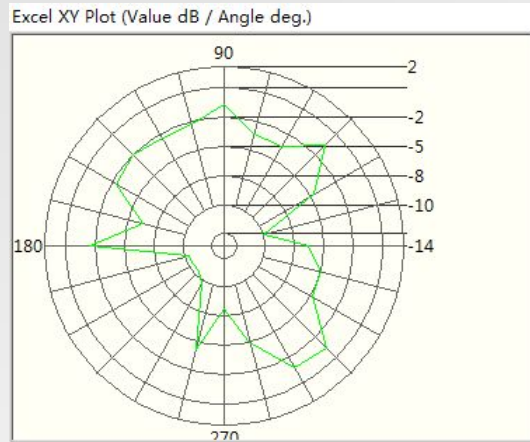
Unit (dBi)

E1

E2

H

2.45GHz

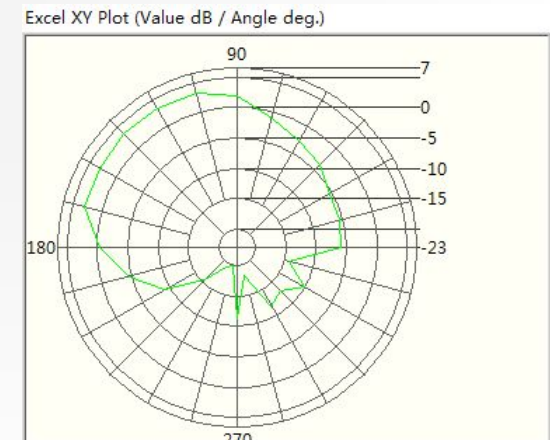
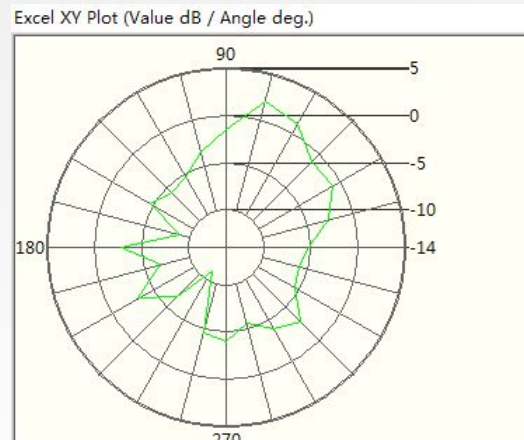
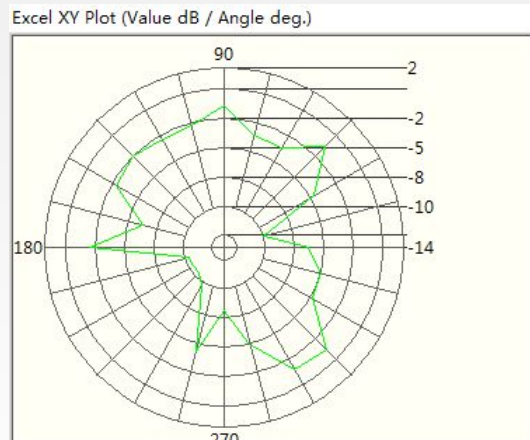


E1

E2

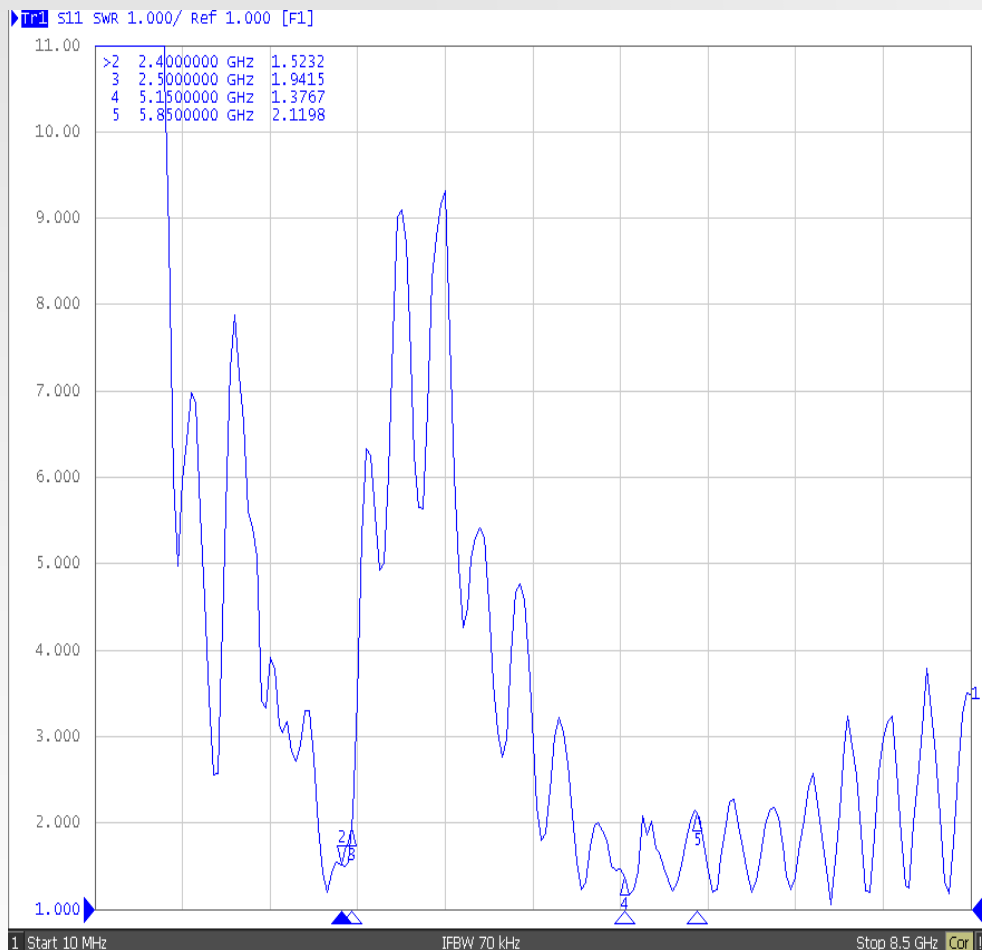
H

5.5GHz



Passive antenna data

ANT2 VSWR



效率&增益

Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)
2.4G	41.11	0.87	5.15G	57.37	4.21
2.41G	40.5	0.66	5.2G	56.52	4.19
2.42G	40.41	0.38	5.25G	48.98	3.59
2.43G	42.63	0.61	5.3G	51.76	3.57
2.44G	41.19	0.48	5.35G	51.05	3.41
2.45G	46.05	1.13	5.4G	42.95	2.64
2.46G	47.57	1.13	5.45G	40.74	2.24
2.47G	49.24	1.18	5.5G	46.88	2.8
2.48G	50.75	1.26	5.55G	41.88	2.31
2.49G	46.55	1.24	5.6G	41.02	2.33
2.5G	42.9	1.25	5.65G	43.46	2.32
			5.7G	46.99	2.69
			5.75G	47.21	2.33
			5.8G	42.66	1.47
			5.85G	57.15	2.99

ANT2-2D Radiation pattern

Unit (dBi)

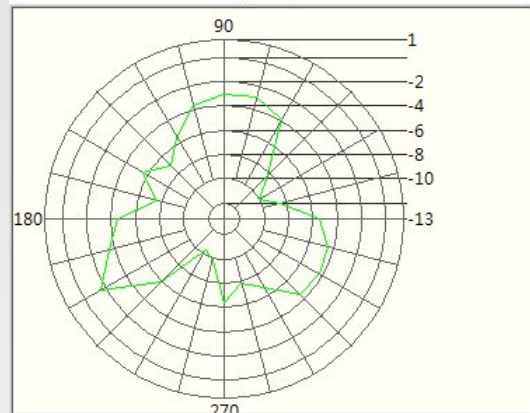
E1

E2

H

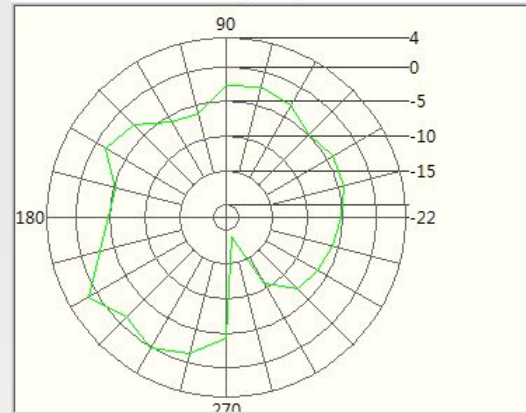
2.45GHz

Excel XY Plot (Value dB / Angle deg.)



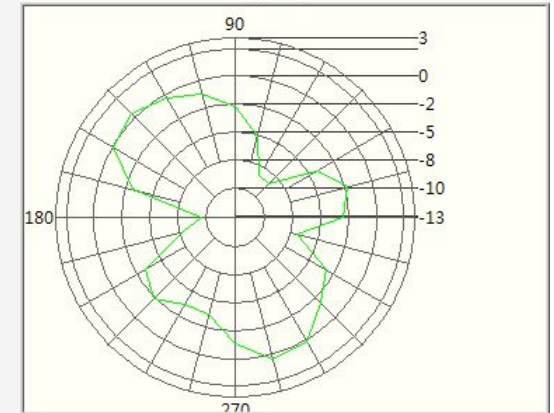
E1

Excel XY Plot (Value dB / Angle deg.)



E2

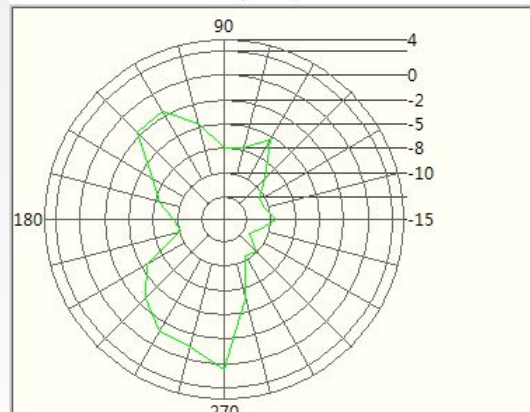
Excel XY Plot (Value dB / Angle deg.)



H

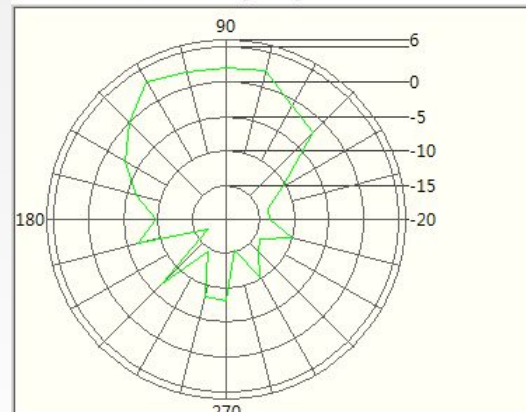
5.5GHz

Excel XY Plot (Value dB / Angle deg.)



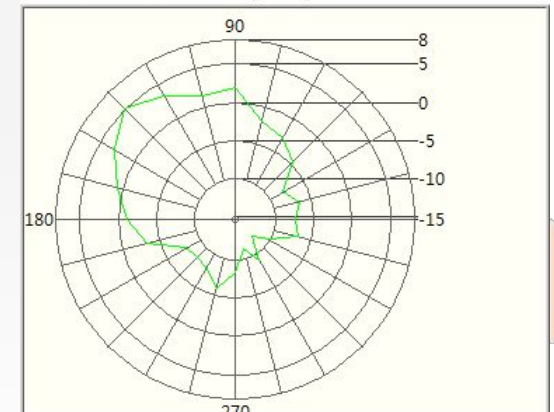
E1

Excel XY Plot (Value dB / Angle deg.)



E2

Excel XY Plot (Value dB / Angle deg.)



H

Thank You



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DEVOTE
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