

耀登电通科技(昆山)有限公司

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

AHWSA天线报告 *Antenna Evaluating Report*

Contact Information:

PM:
RD:
ME:

Prepared By:

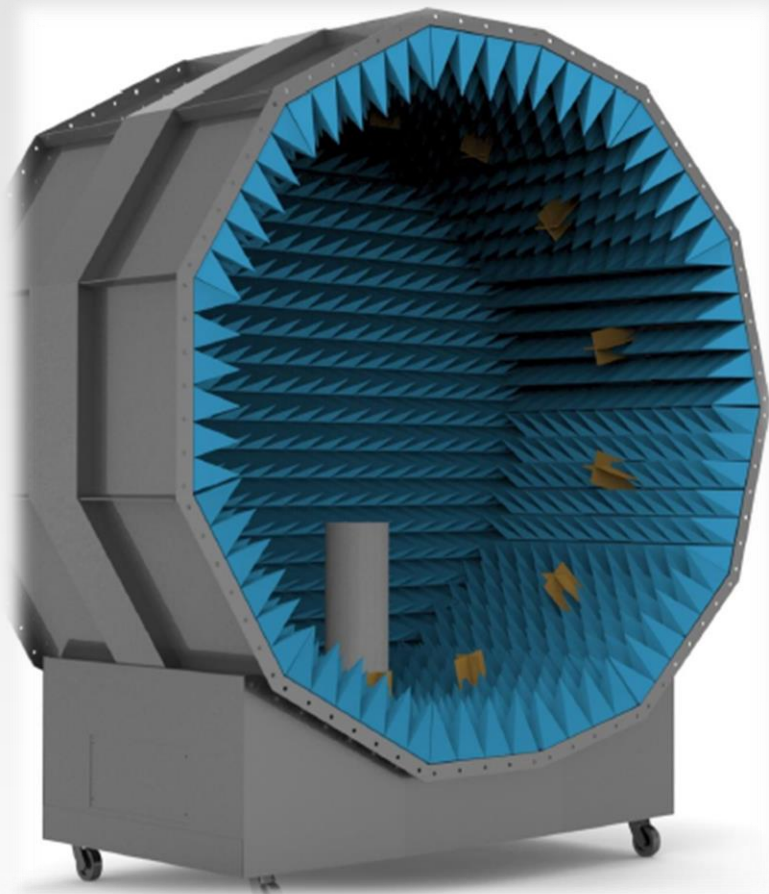
Checked By :

Date of Report: 2023/07/27



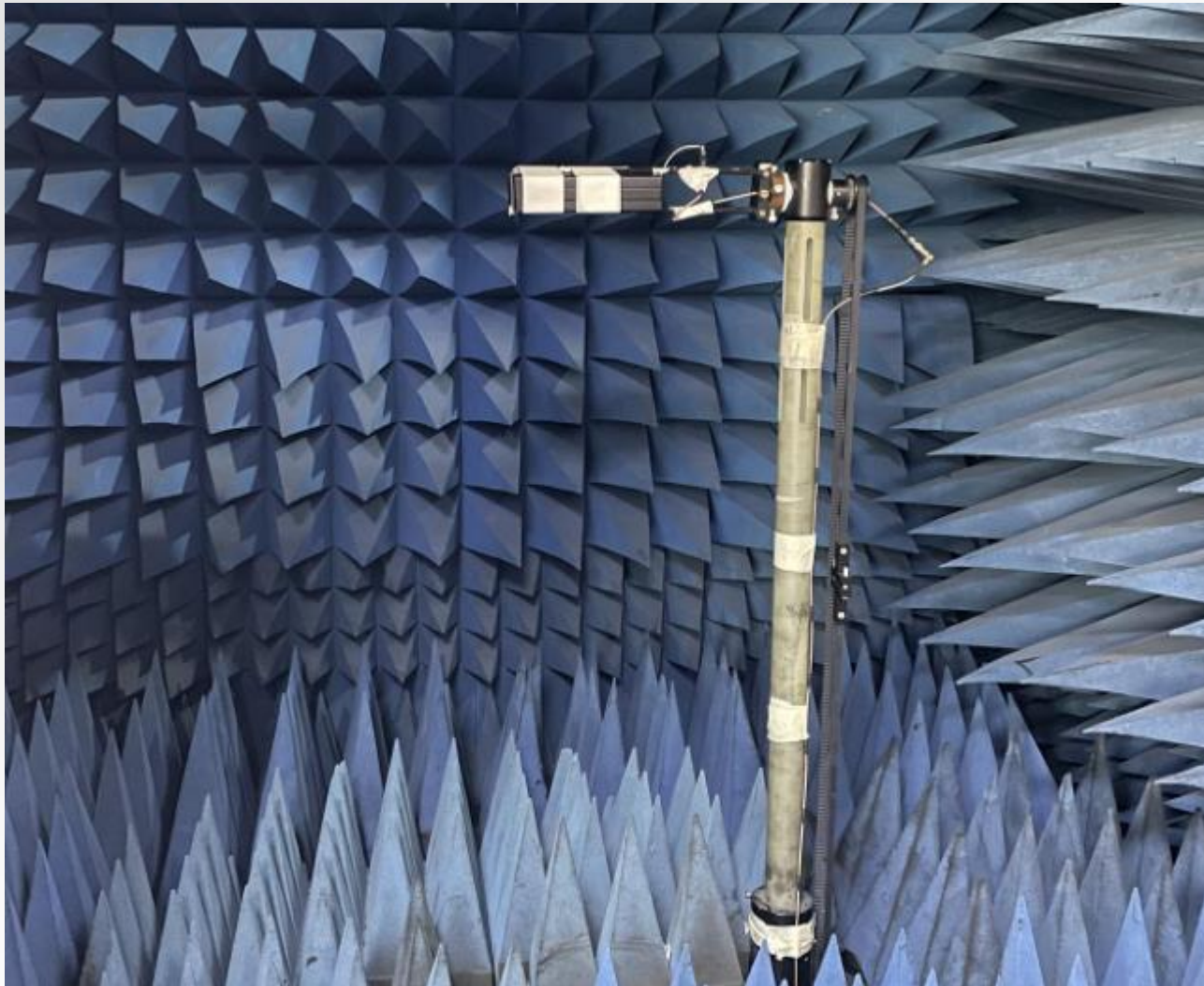
Date	Rev	Description
2023-04-07	01	初步调试
2023-07-27	02	新版验证





- 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



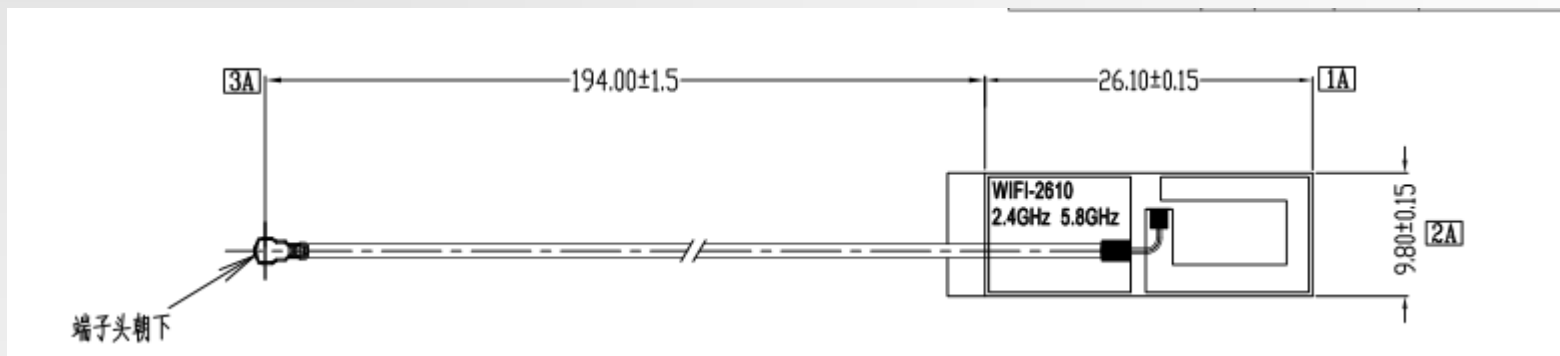


ANT2

ANT1



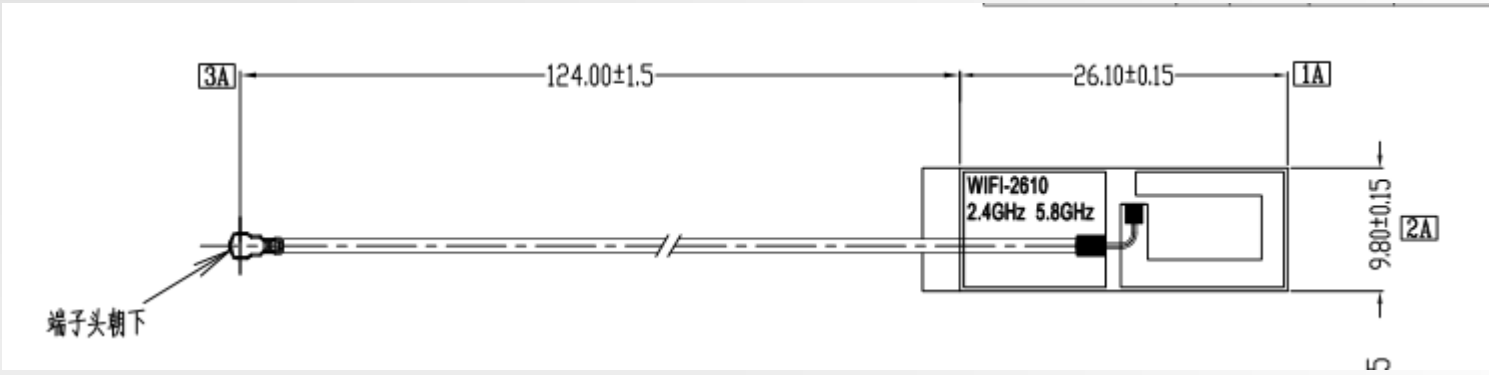
AUK02400B-WIFI1



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 1 dBi @6.875~7.125GHz	i-pex(MHF)	204mm



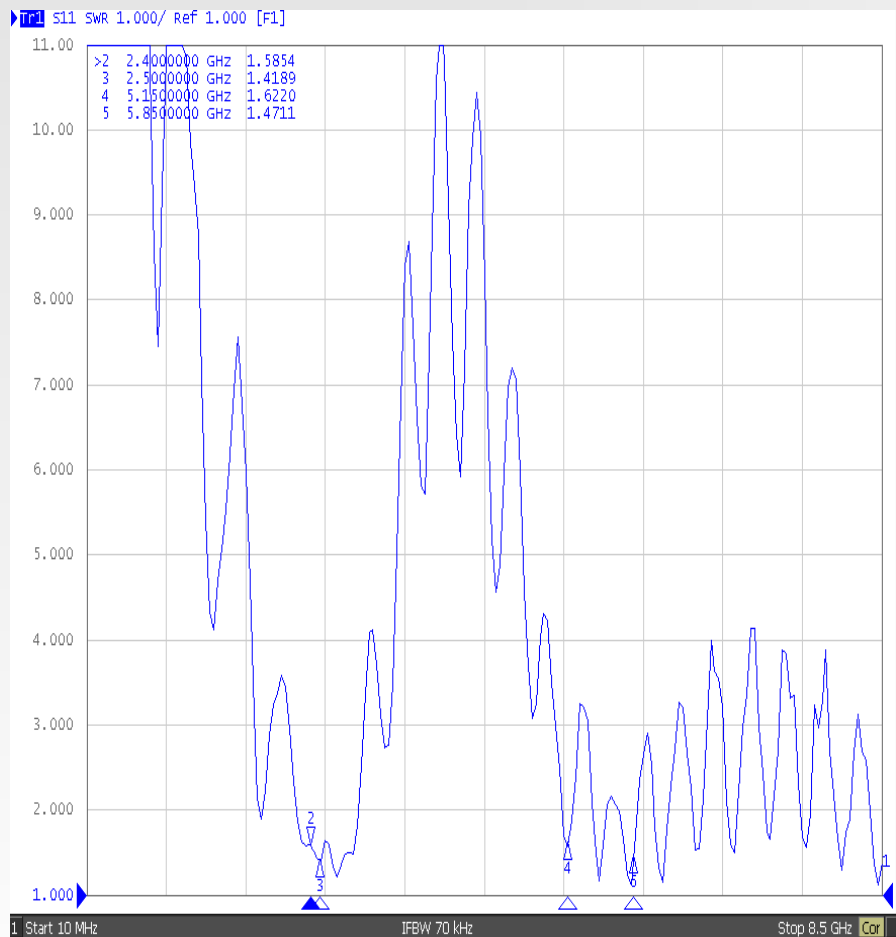
AUK02400B-WIFI2



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

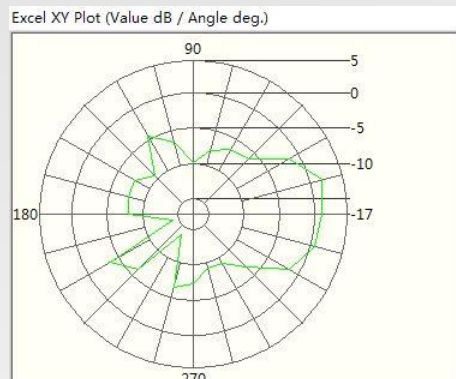


效率&增益

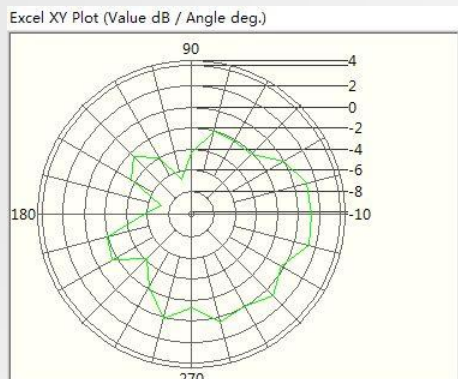
Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)
2.4G	48.42	2.29	5.15G	47.36	3.52	5.9G	42.07	2.78
2.41G	48.53	2.29	5.2G	56.21	3.74	5.95G	41.88	2.93
2.42G	47.64	2.23	5.25G	49.2	3.66	6G	43.25	3.55
2.43G	45.08	2.07	5.3G	48.96	3.54	6.1G	33.73	2.46
2.44G	47.86	2.24	5.35G	47.36	3.36	6.2G	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

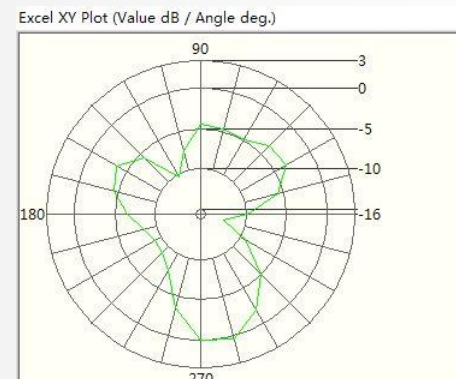
E1



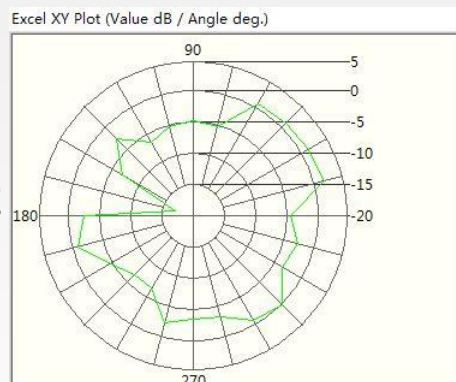
E2



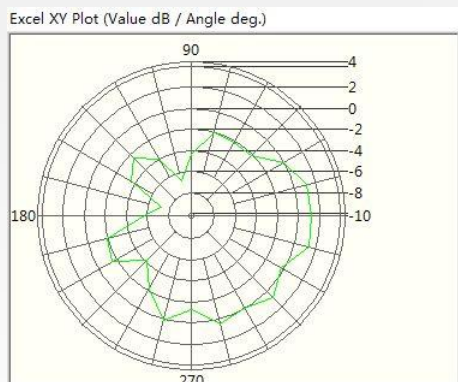
H



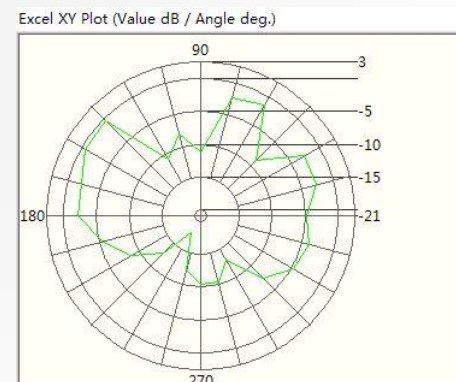
E1



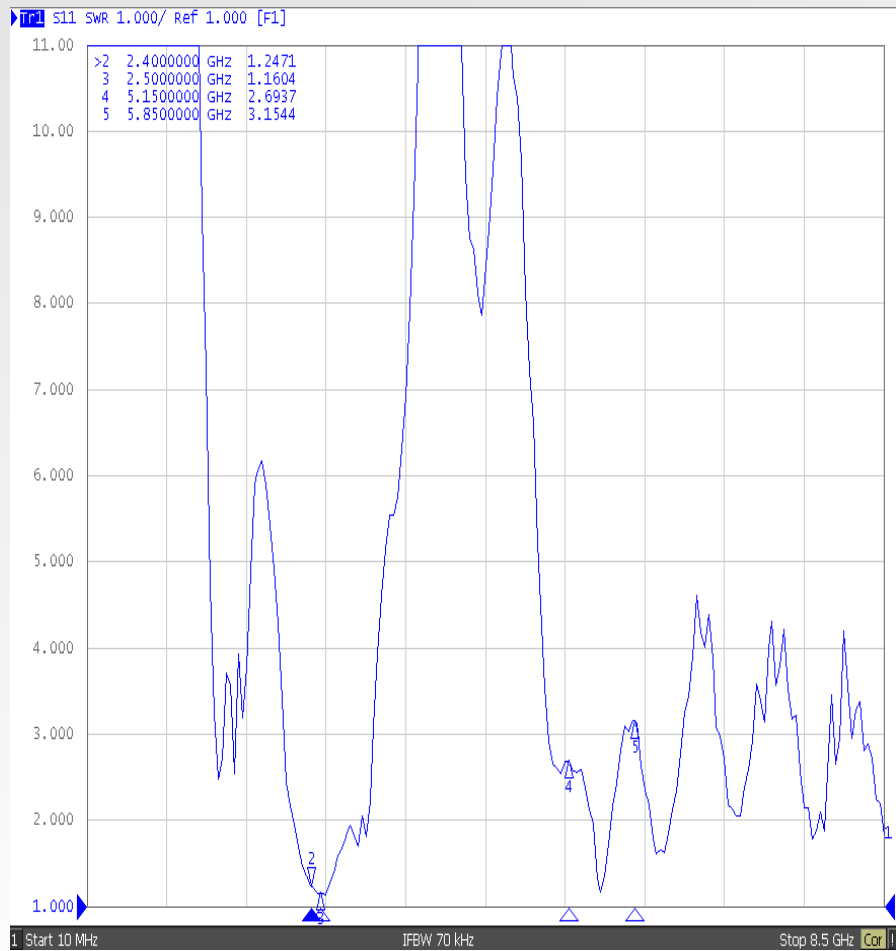
E2



H



WIFI2 VSWR

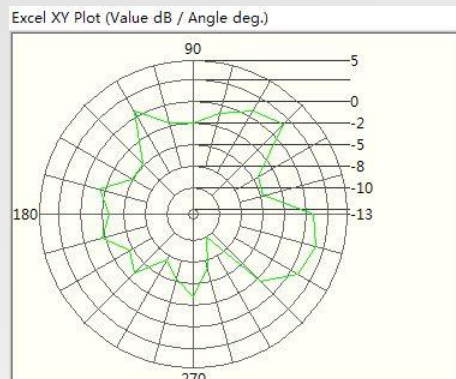


效率&增益

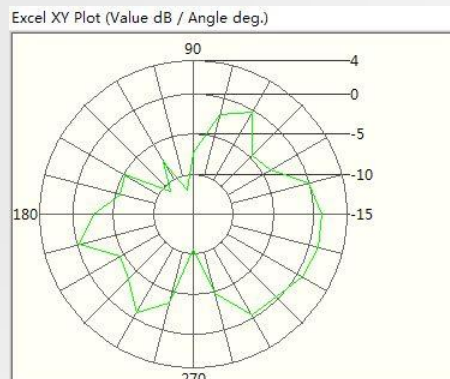
Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)	Freq	Effi(%)	Gain(dBi)
2.4G	47.53	2.29	5.15G	43.11	3.71	5.9G	47.32	3.18
2.41G	43.85	1.87	5.2G	42.86	3.83	5.95G	44.98	3.11
2.42G	43.45	1.79	5.25G	45.55	3.85	6G	46.77	3.58
2.43G	40.18	1.36	5.3G	42.93	3.73	6.1G	36.39	3.06
2.44G	38.55	1.15	5.35G	46.11	3.66	6.2G	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

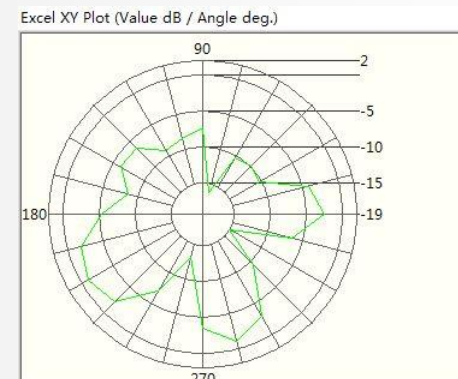
E1



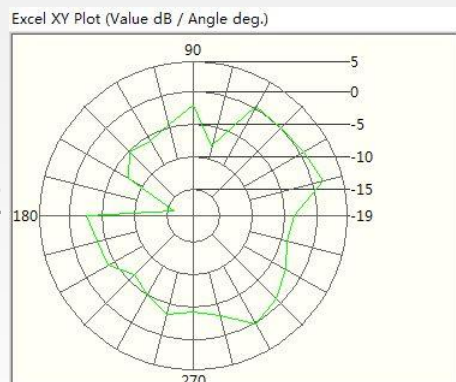
E2



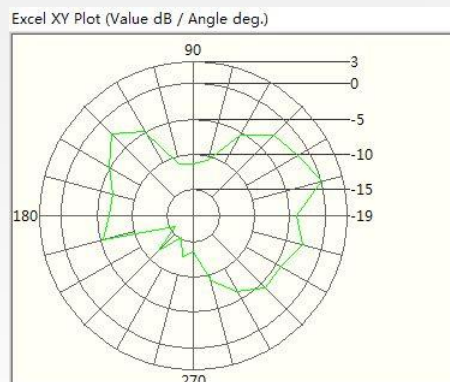
H



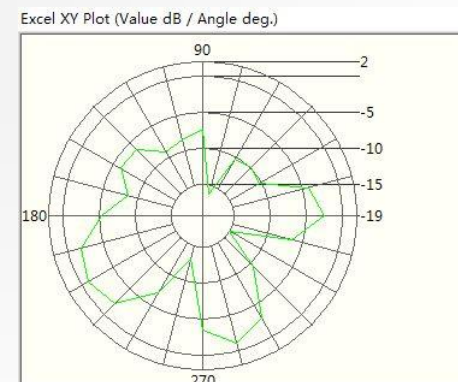
E1



E2



H



Thank You



AUDEN
ASPIRE
UPGRADE
DEVOTE
EXCELLENCE
NAVIGATOR

AUDEN Techno Corp. Taiwan

TEL: +886-3-363-1901

No.19 Lane 772, Ho Ping Road Bade City, Taoyuan Hsien, Taiwan.

AUDEN communications & Multimedia Techno (Shenzhen) Co., Ltd.

TEL: +86 0755 8653 9953

AUDEN Techno Corp. Korea

TEL: +82 2 401 1206

**RM 205 5F Jaeil Officetel Songpa daero Songpa-Gu Seoul.
ZIP : 138-719 Korea**

AUDEN Techno Corp. USA

TEL : +1 631 9791630

4 Cygnet Drive Smittown, NY 11787

E-mail: service@auden.com.tw

Website: <http://www.auden.com.tw>



Company Confidential, Auden

Many aspects of this presentation are protected by US, TW, CN and international patents and patent applications