



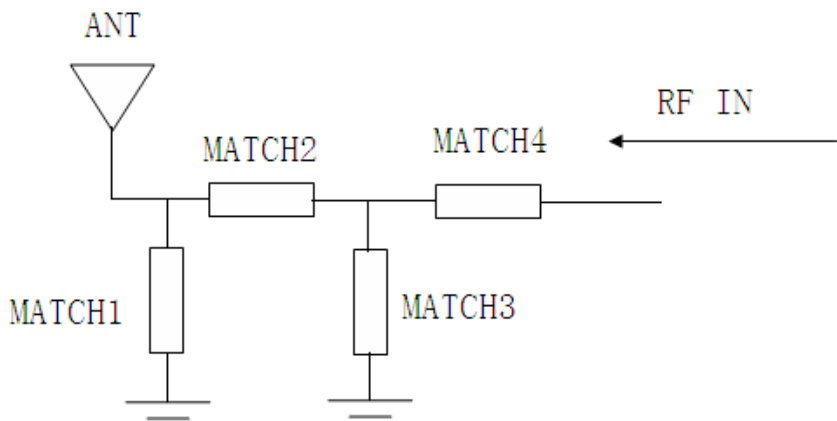
Shenzhen 3Good Wireless Communication Co., Ltd

天线性能测试报告

Antenna performance test report

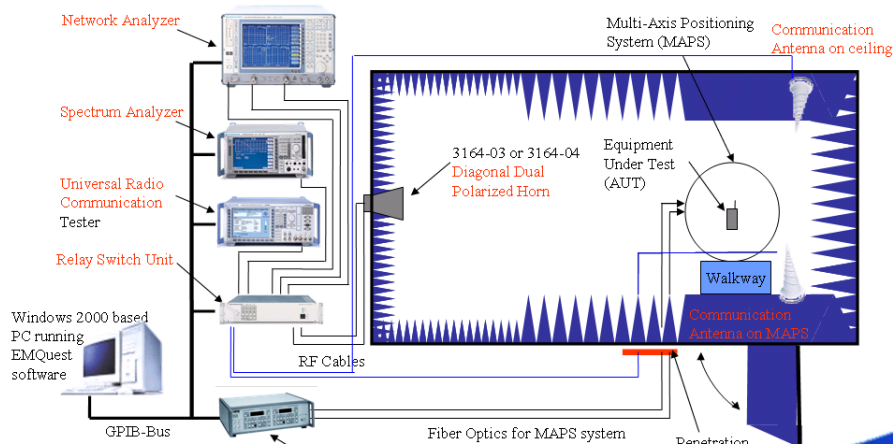
客户名称 (Customer name)	传奇
项目名称 (Project name)	D011
测试频段 (Test Band)	GSM850/900/1800/1900 WCDMA1/2/4/5/8 B1. 2. 3. 4. 5. 7. 8. 12. 13. 17. 18. 19. 20. 26. 28AB. 66. 38. 39. 40. 41 BT/WIFI/NFC
测试日期 (Test Date)	2023. 2. 24

1. 天线匹配电路(Antenna matching circuit):



位号	MATCH1	MATCH2	MATCH3	MATCH4
值		0 欧姆		0 欧姆

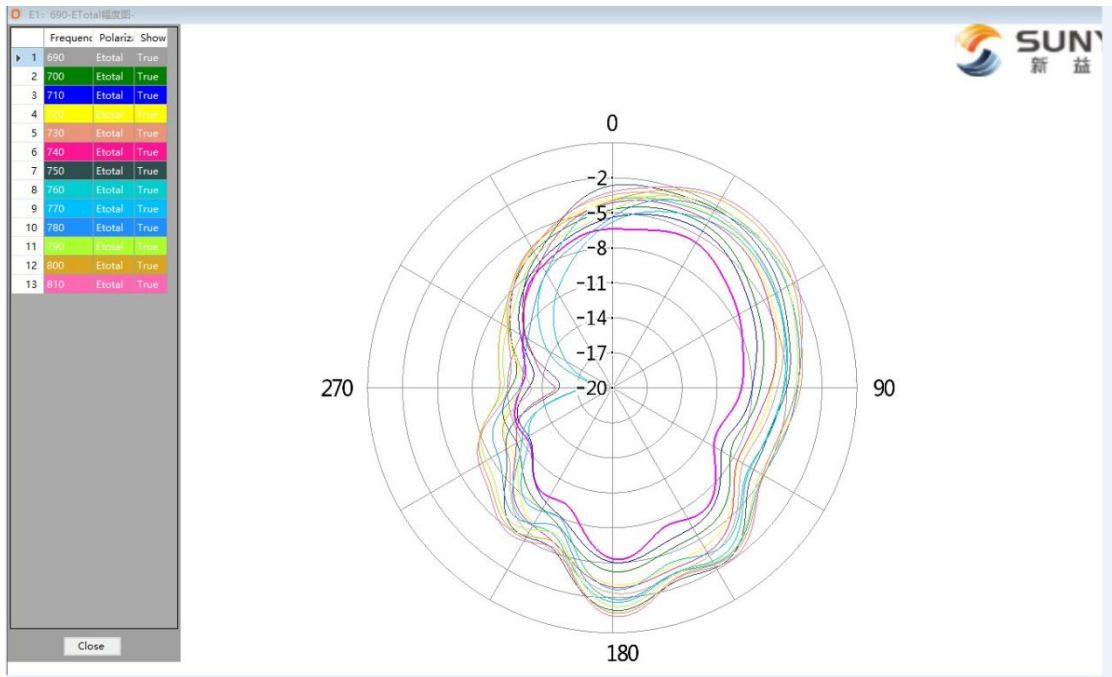
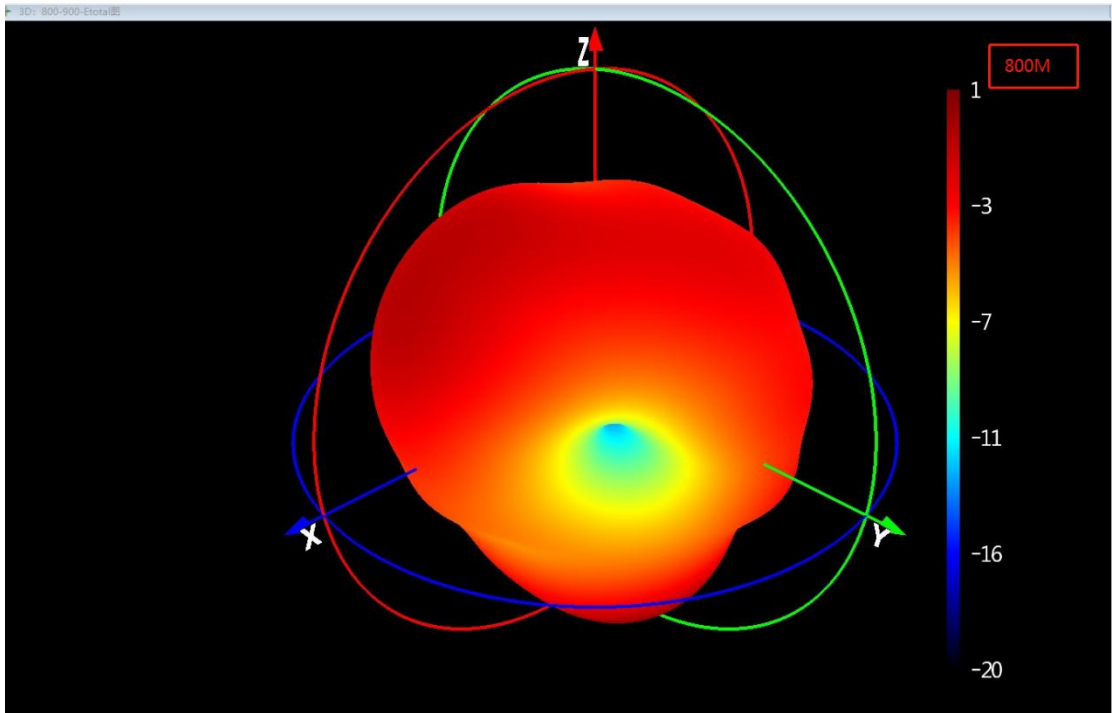
1、 天线测试设备(Antenna matching circuit):

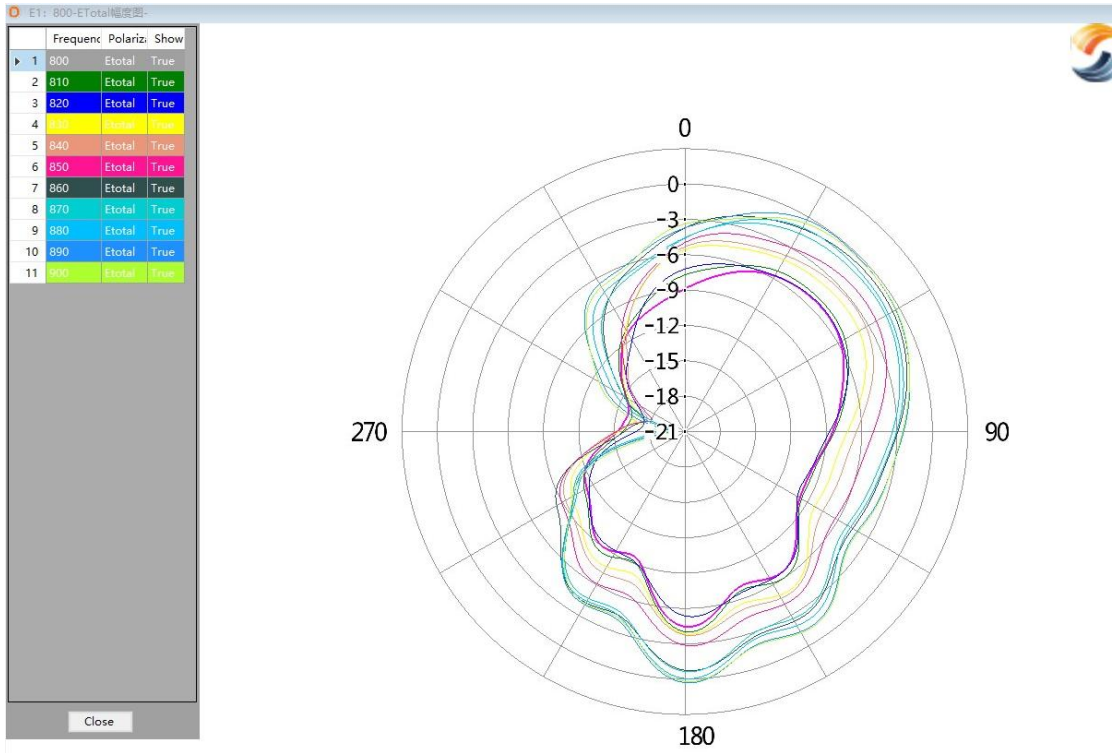
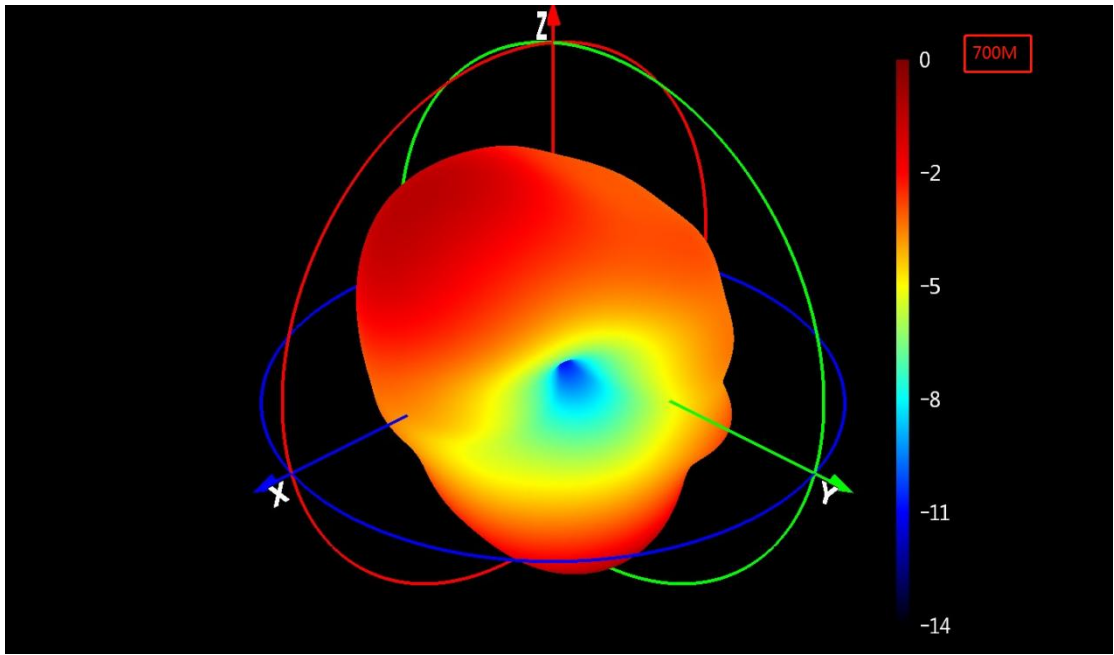


性能测试报告如下 (The performance test report is as follows):

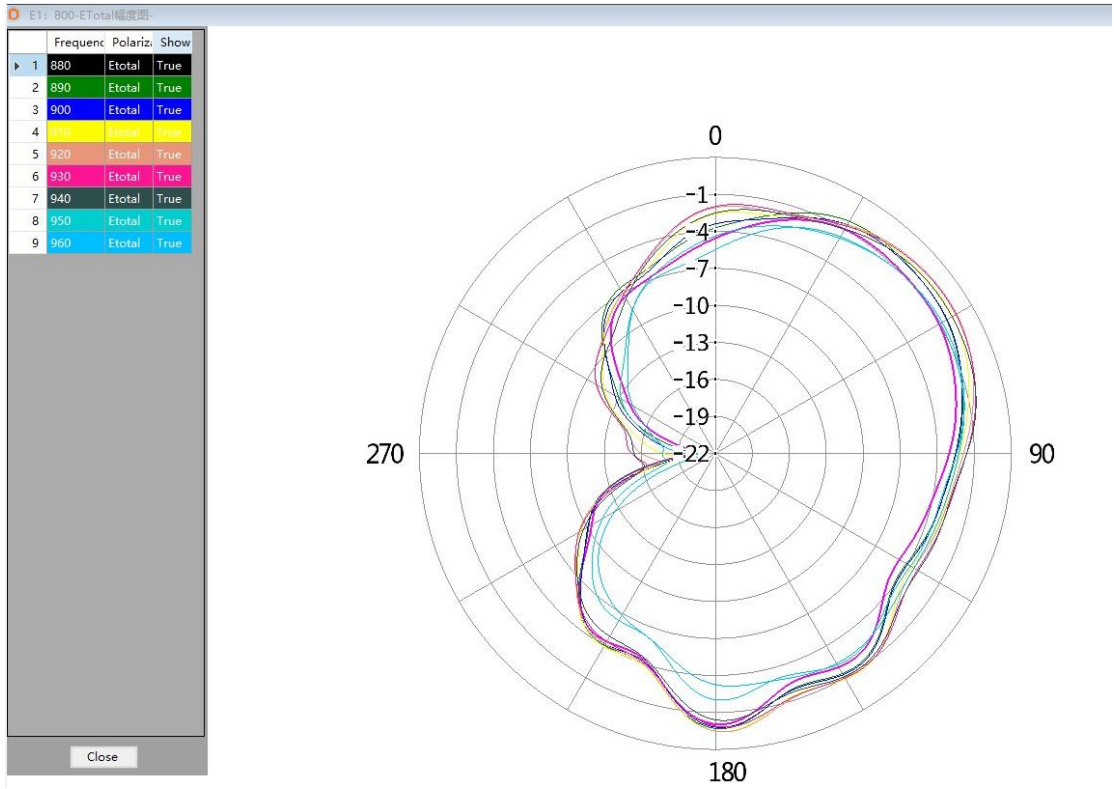
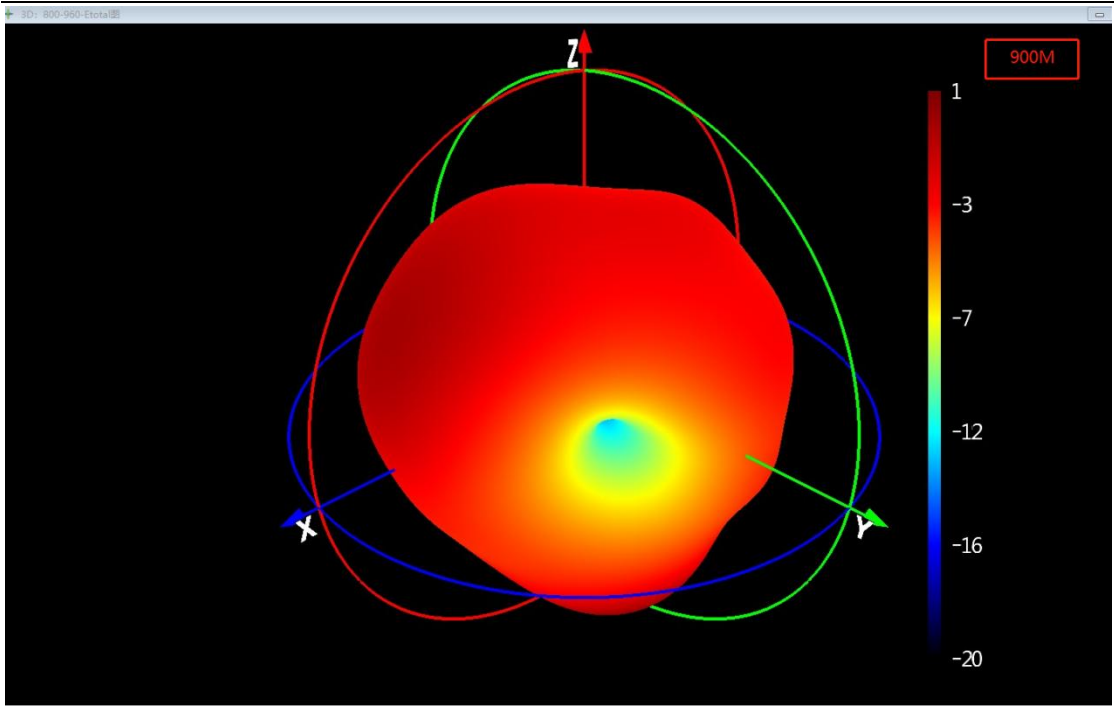
Gain	
Band	gain (dBi)
LTE-B12/B13/B17/B28AB	-1.99
GSM850,WCDMA-B5,LTE-B5/B18/B19/B20/B26	-1.7
GSM900,WCDMA-B8,LTE-B8	0.94
DCS1800,LTE-B3,	1.18
WCDMA-B4,LTE-B4/B66	0.89
PCS1900,WCDMA-B2,LTE-B2/B25/B39	0.28
WCDMA-B1,LTE-B1	0.43
LTE-B7/B38/B41,	1.75
LTE-B40	0.01
GPS	1.54
2.4G WIFI/BT	0.7
5G WIFI	1.51
NFC	1.16

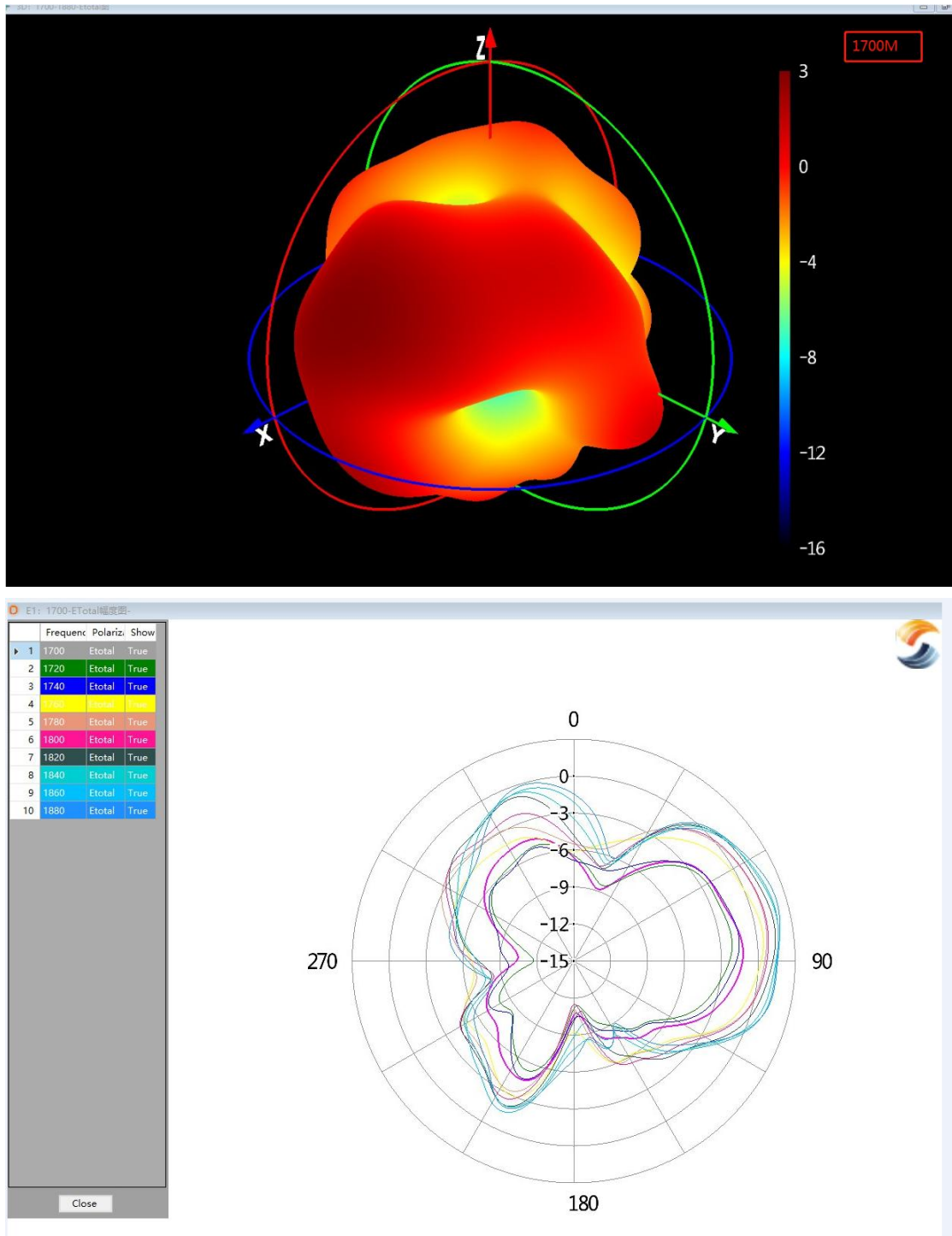
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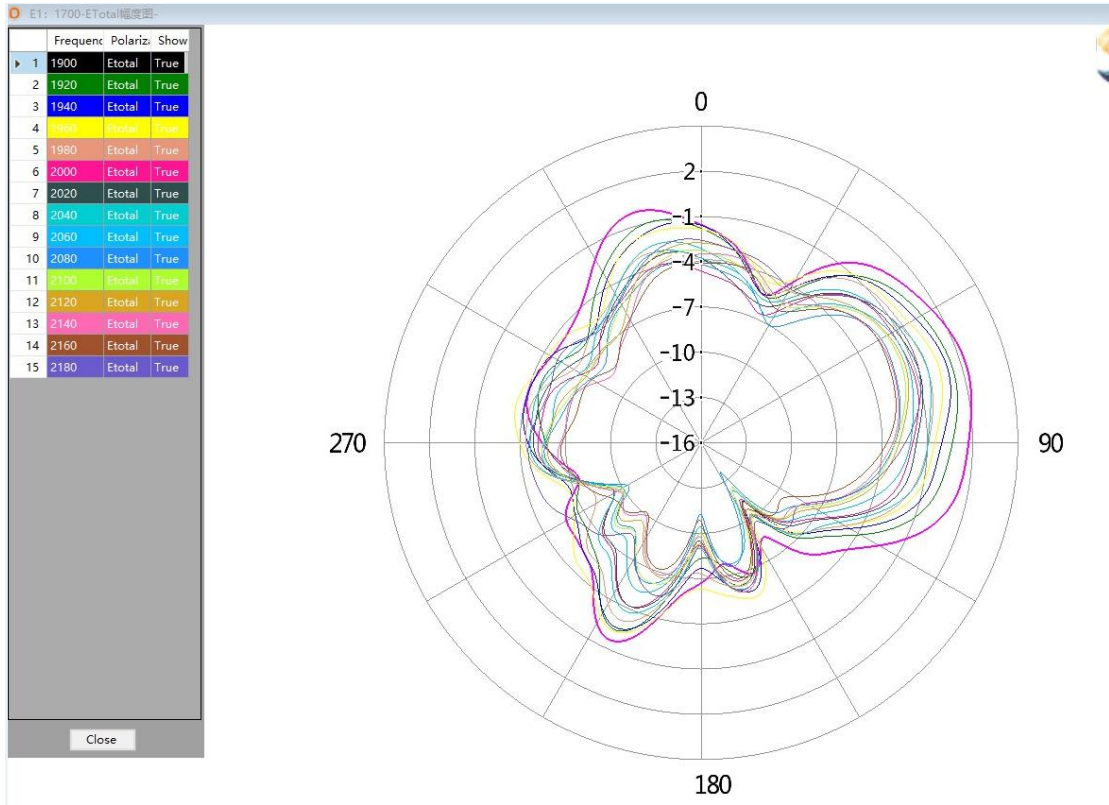
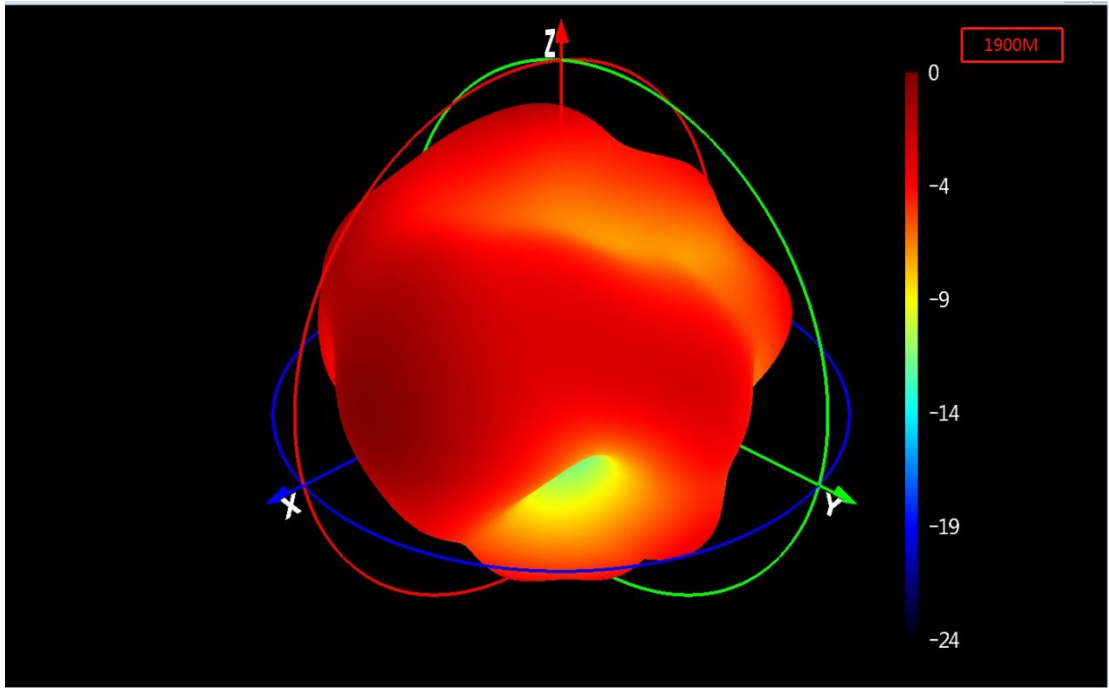




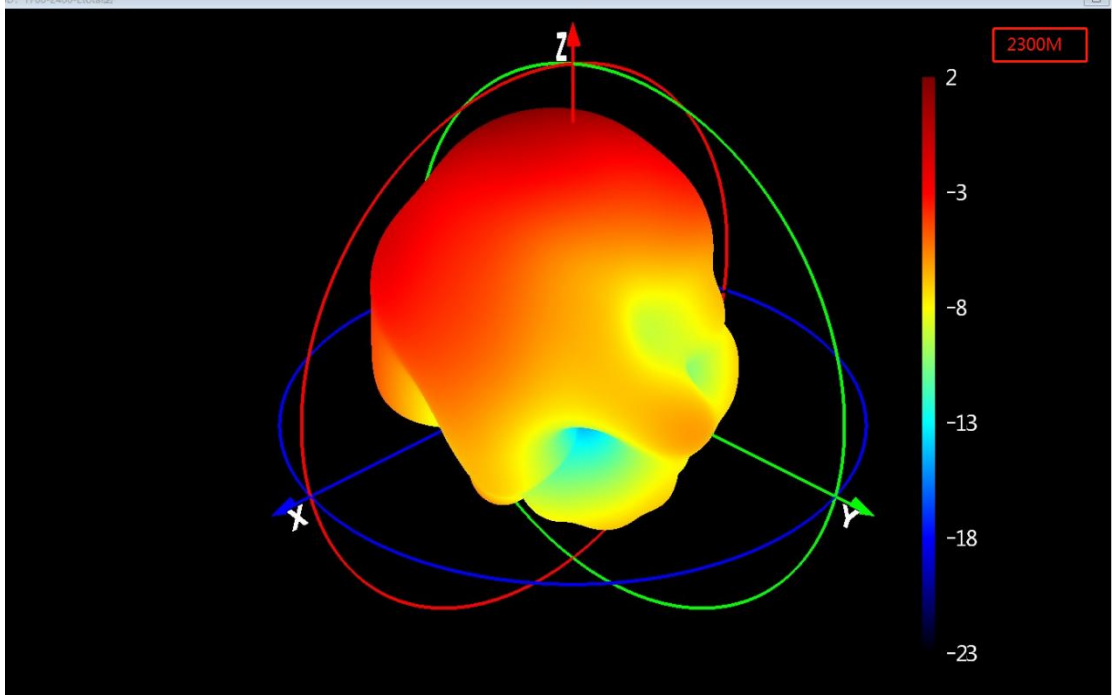
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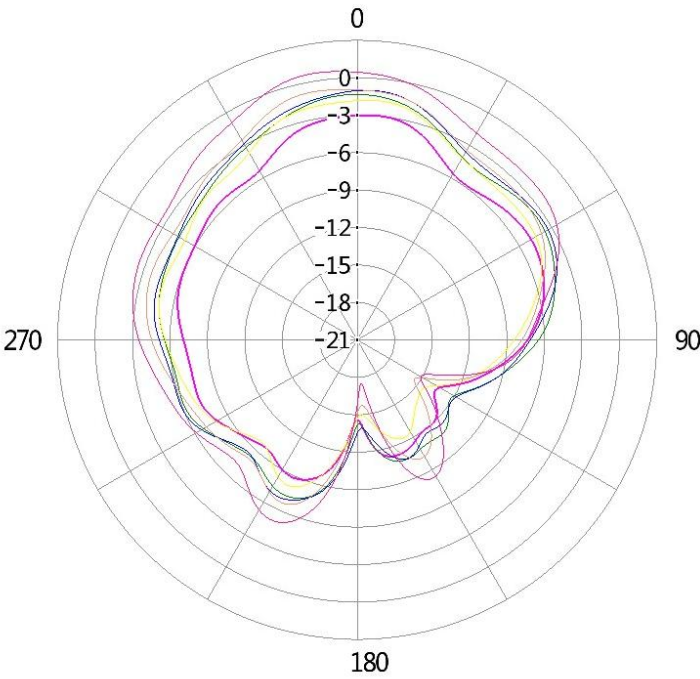
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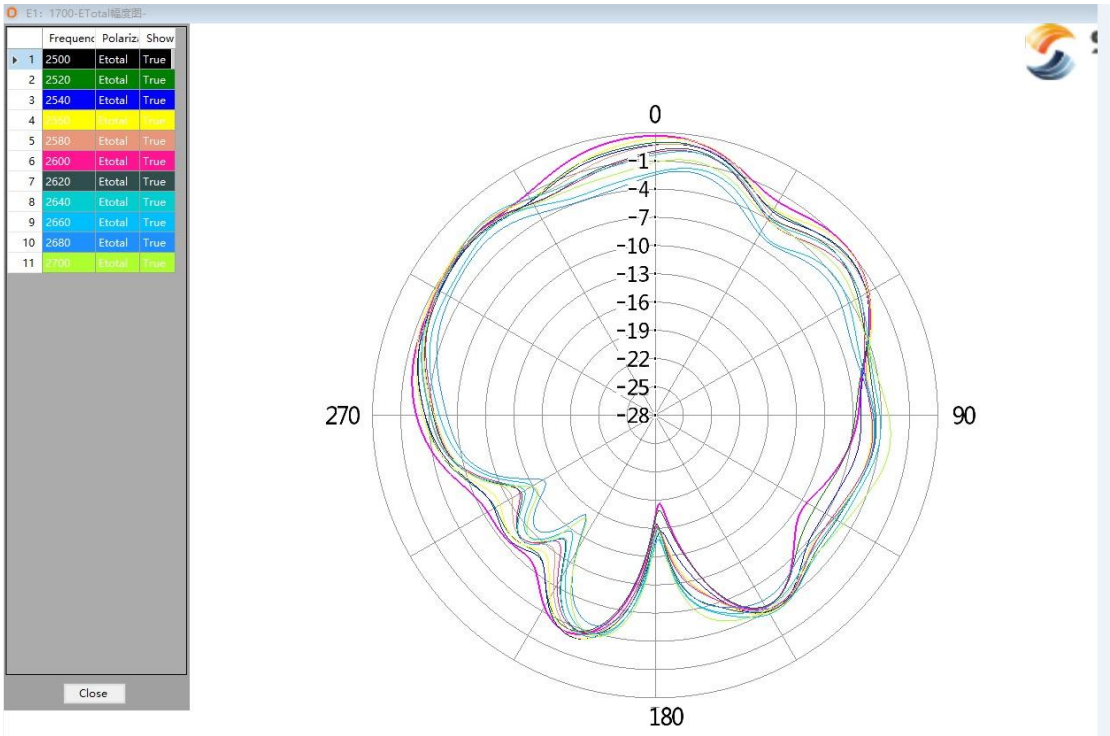
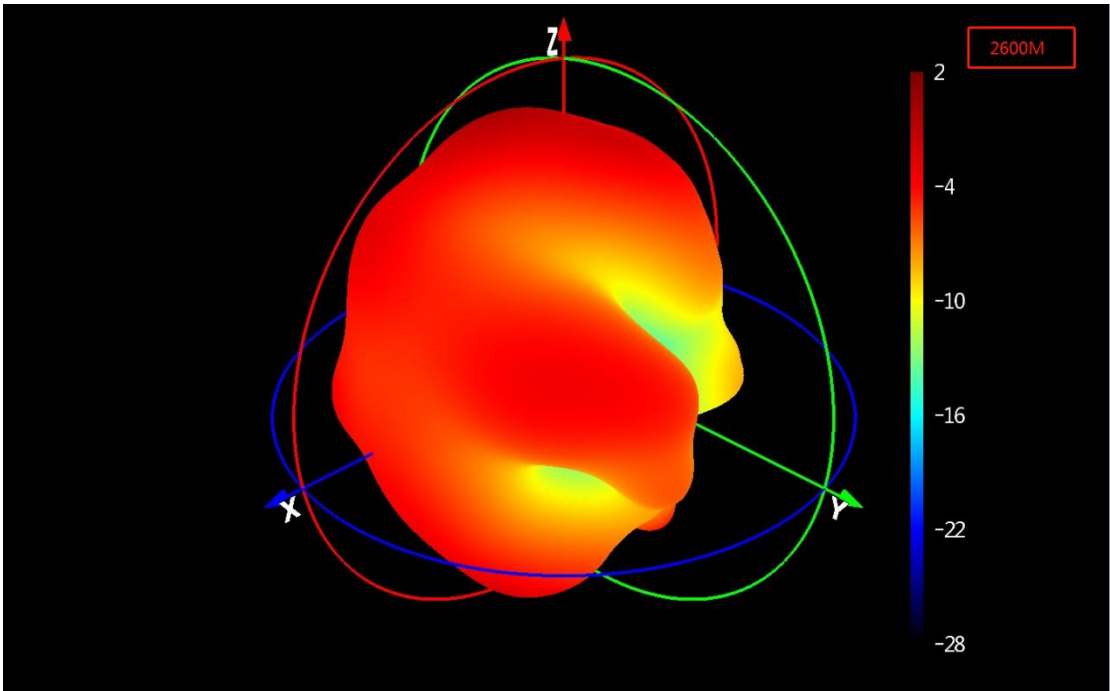


E1: 1700-Etotal(幅度图)

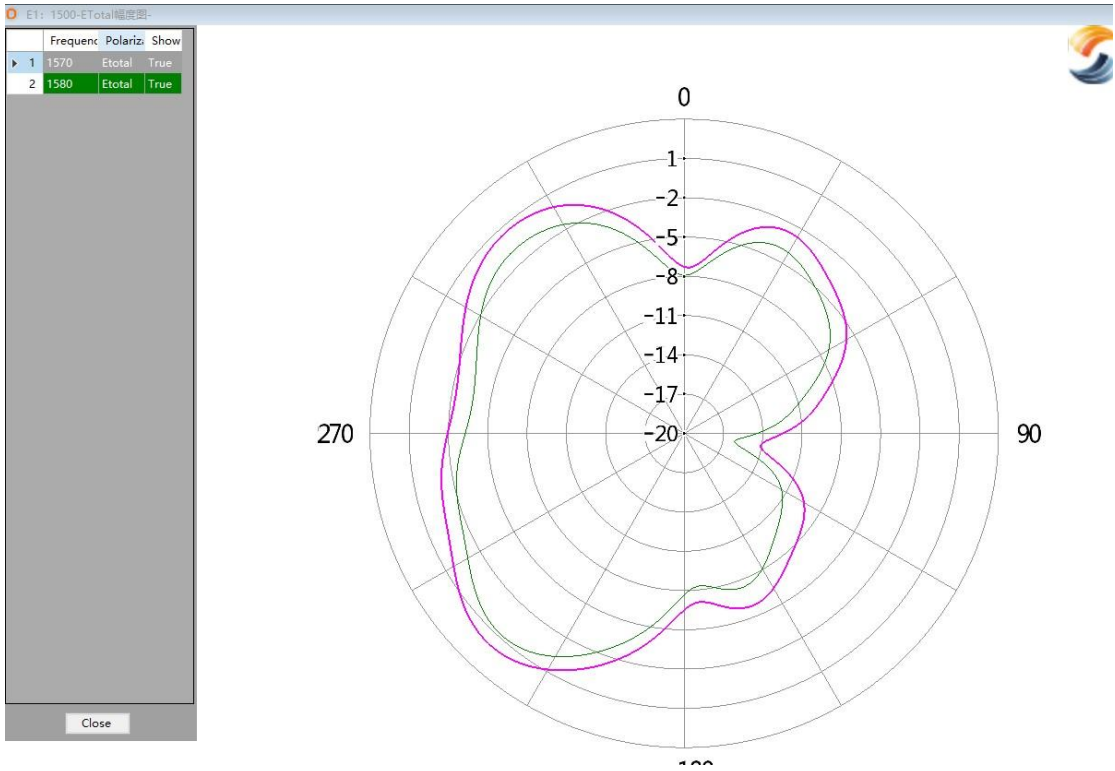
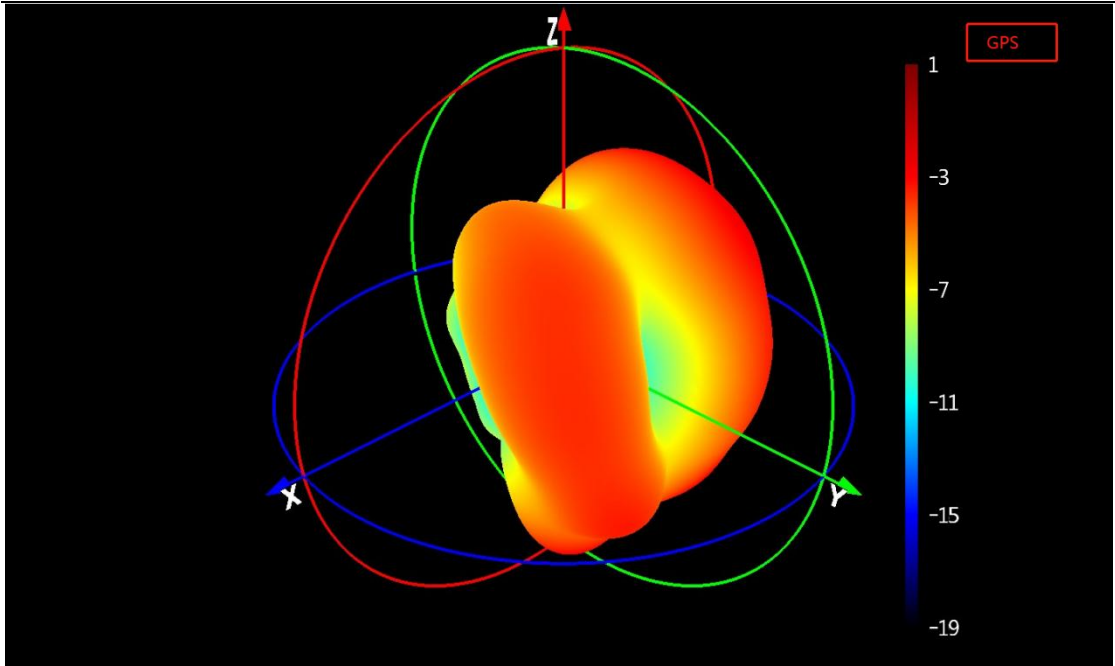
	Freque	Polariz	Show
1	2300	Etotal	True
2	2320	Etotal	True
3	2340	Etotal	True
4	2360	Etotal	True
5	2380	Etotal	True
6	2400	Etotal	True

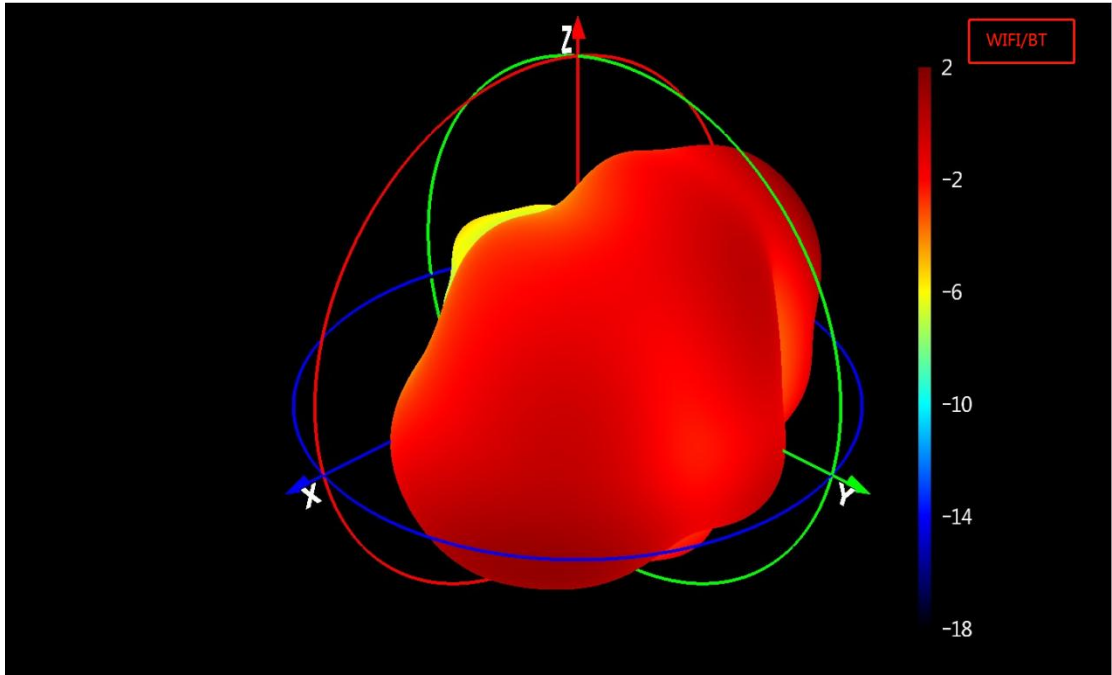
Close





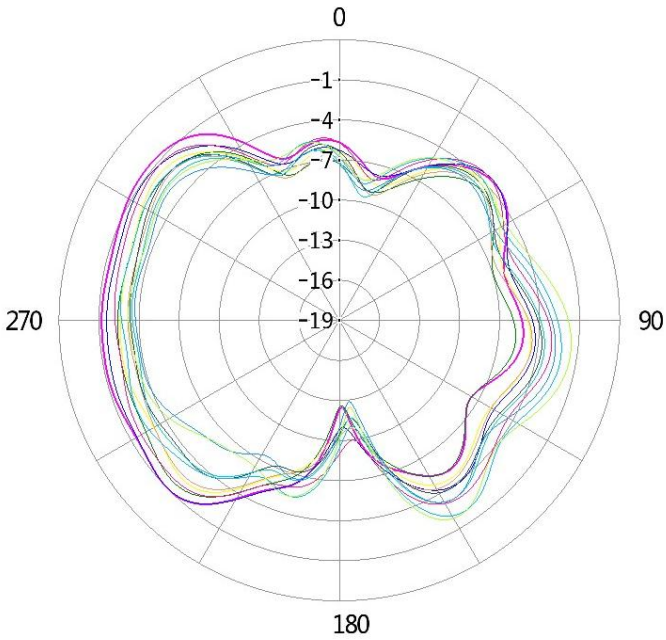
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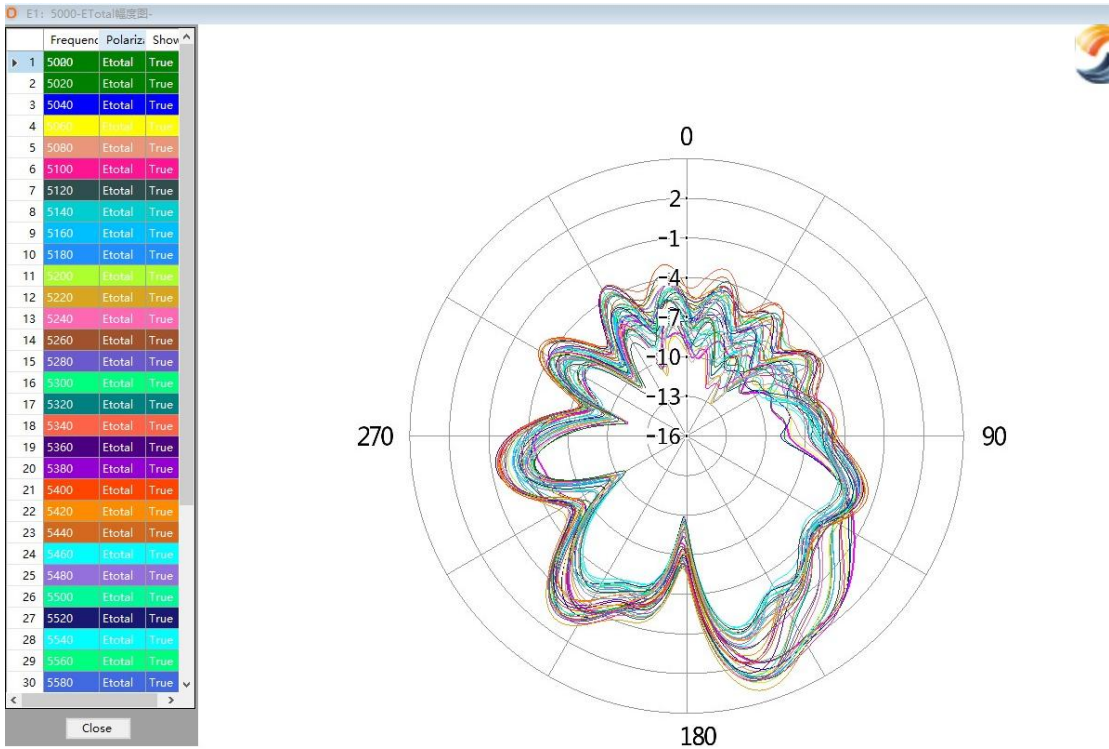
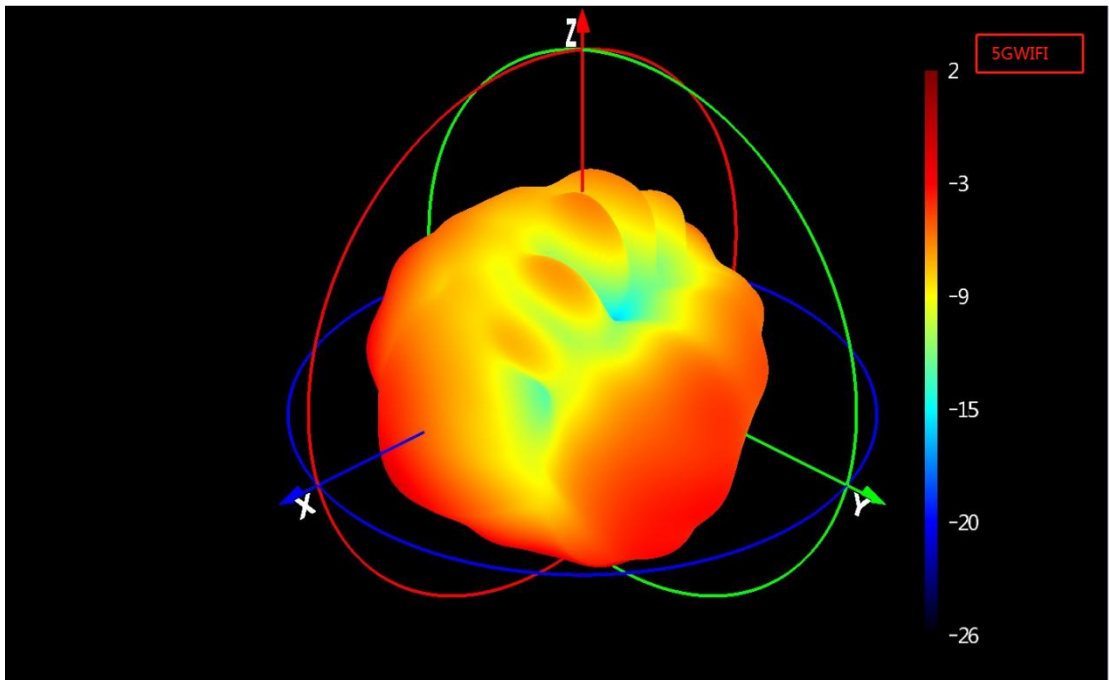




	Frequency	Polariz.	Show
1	2400	Ettotal	True
2	2410	Ettotal	True
3	2420	Ettotal	True
4	2430	Ettotal	True
5	2440	Ettotal	True
6	2450	Ettotal	True
7	2460	Ettotal	True
8	2470	Ettotal	True
9	2480	Ettotal	True
10	2490	Ettotal	True
11	2500	Ettotal	True

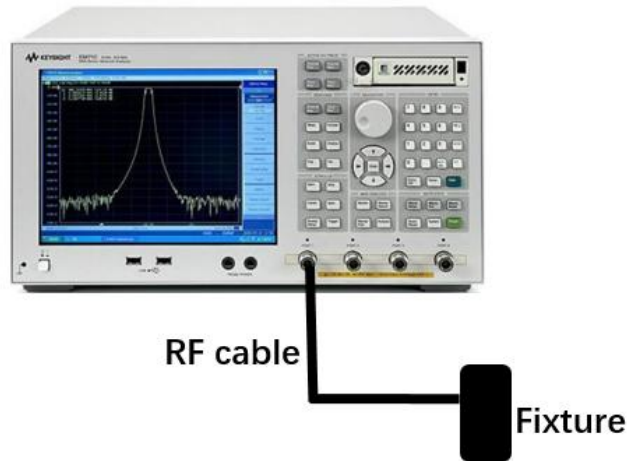
Close



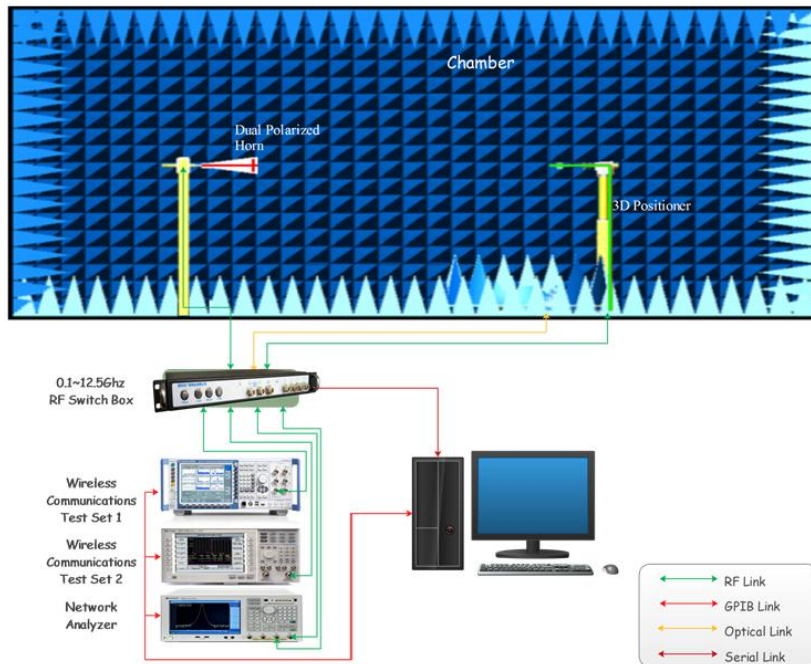


1.1 测试方法和测试设备 (Test method and test equipment)

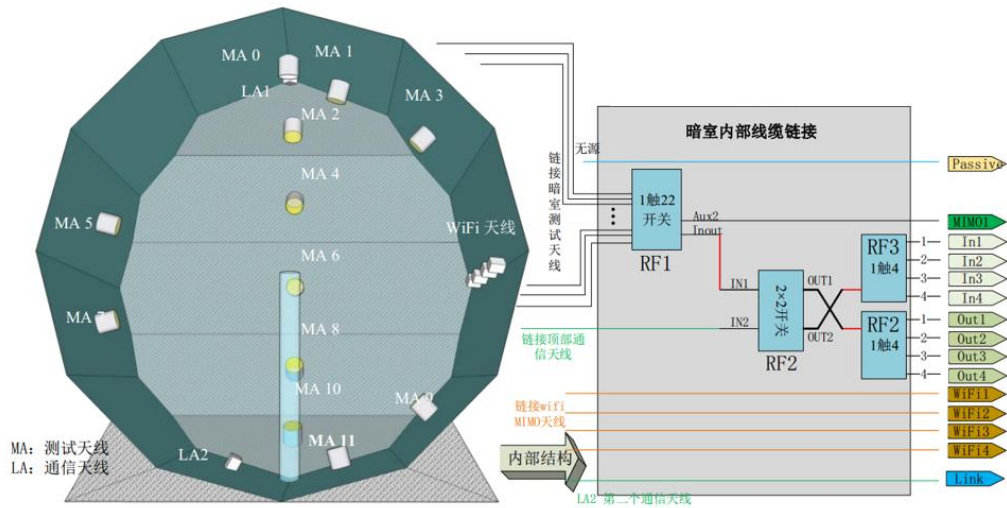
1.1.1 S11 测试 (S11Test)



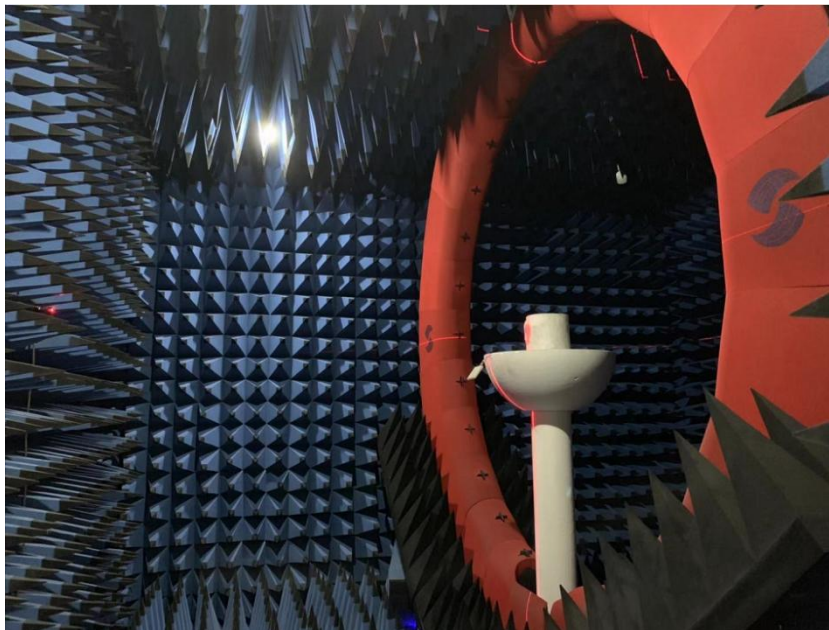
1.1.2 增益/效率 (Effi./Gain) & 有源 (Trp/Tis)



1.1.3 单探头测量系统 (Single probe measurement system)



1.1.4 测试暗室图片 (Test the darkroom picture)



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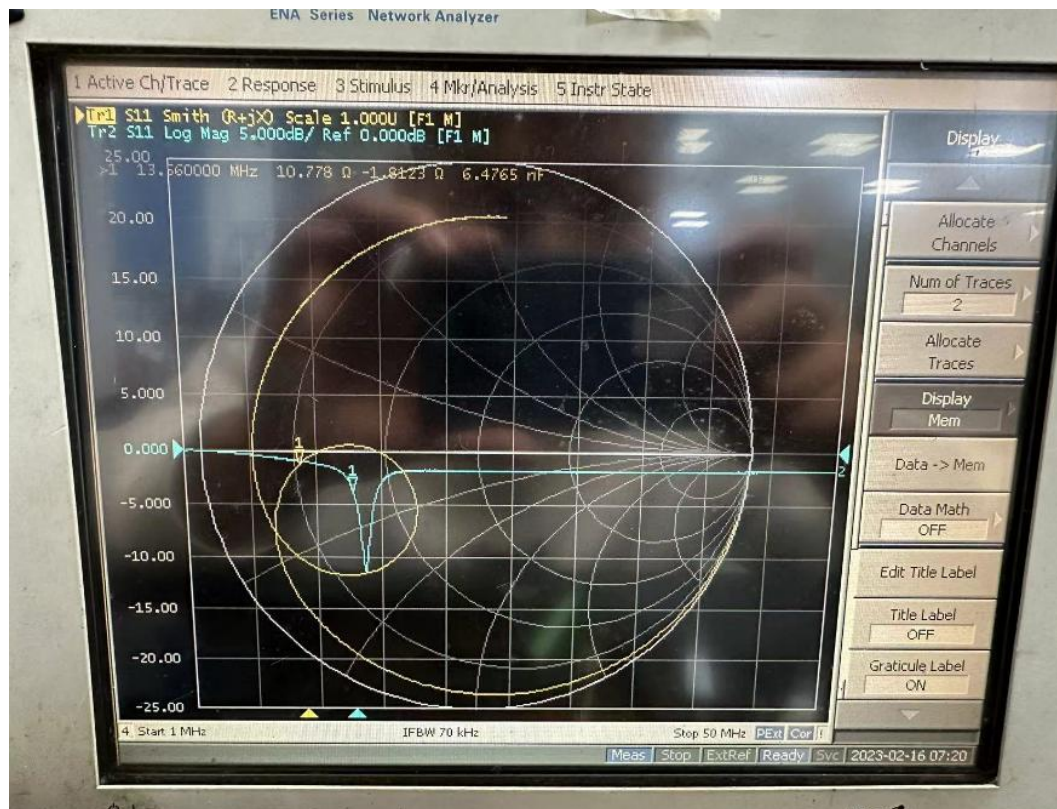
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有源测试数据											
2G	CH	TRP	TIS (次屏)	4G	CH	TRP	TIS	4G	CH	TRP	TIS
GSM850	L	23.24		FDD 1	L	17.86		FDD 17	L	12.23	
	M	23.59			M	17.68			M	12.13	
	H	24.04	-102.92		H	17.56	-91.61		H	12.4	-91.71
EGSM900	L	27.97		FDD 2	L	17.43		FDD 18	L	14.39	
	M	27.37			M	17.45			M	14.99	
	H	27.58	-102.17		H	17.41	-91.17		H	15.56	-91.3
DCS1800	L	20.88		FDD 3	L	14.74		FDD 19	L	15.97	
	M	21.78			M	16.32			M	16.6	
	H	23.56	-103.37		H	17.27	-91.37		H	17.14	-91.66
PCS1900	L	25.53		FDD 4	L	15.07		FDD 20	L	14.66	
	M	25.34			M	16.01			M	16.05	
	H	25.16	-103.92		H	17.81	-91.7		H	17.19	-91.54
3G	CH	TRP	TIS	FDD 5	L	13.98		FDD 26	L	14.24	
W 1	L	17.98			M	14.37			M	16.07	
	M	17.58			H	16.03	-91.74		H	17.58	-91.74
W 2	L	17.18	-103.03	FDD 7	L	17.64		FDD 28A	L	12.51	
	M	17.67			M	17.23			M	13.91	
	H	17.25			H	17.18	-91.08		H	15.26	-91.6
W 4	L	17.1	-103.52	FDD 8	L	17.29		FDD 28B	L	15.04	
	M	15.01			M	17.18			M	15.3	
	H	15.53			H	17.57	-91.39		H	15.26	-91.6
W 5	L	16.68	-103.97	FDD 12	L	13.08		FDD 66	L	15.23	
	M	14.22			M	13.1			M	16.98	
	H	15.16			H	13.29	-91.51		H	17.1	-91.5
W 8	L	15.99	-103.53	FDD 13	L						
	M	17.39			M	17.38	-91.72				
	H	17.98			H						
W 8	L	17.01	-103.17								
	M										
	H										

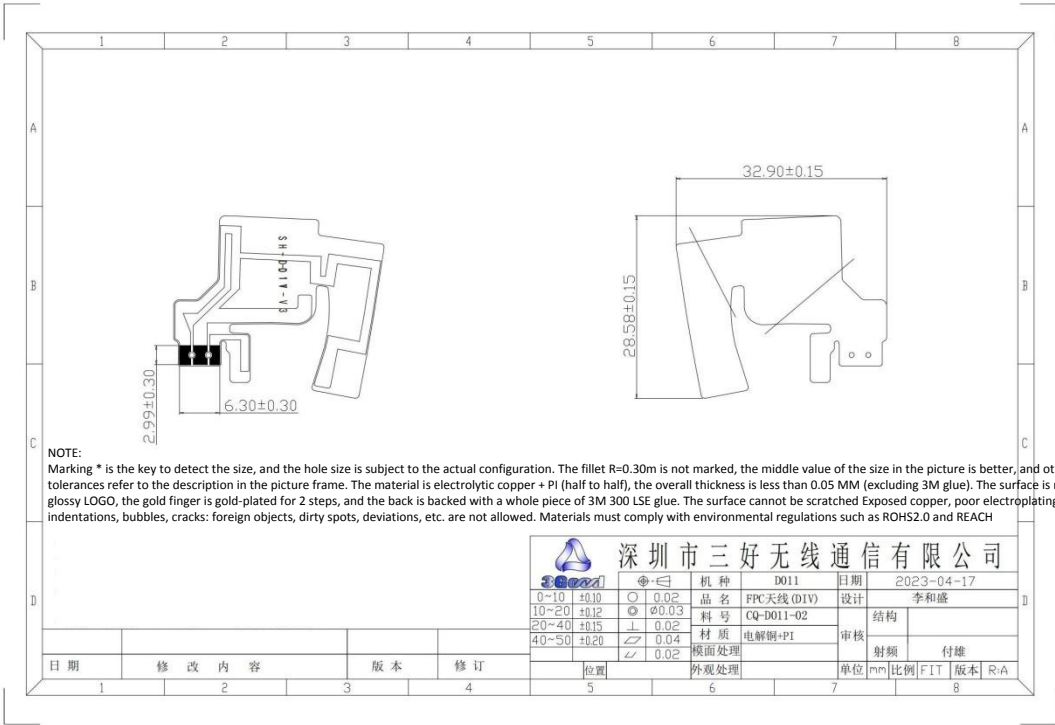
4G	CH	TRP	TIS
TDD 38	L	17.12	
	M	17.61	
	H	17.77	-90.38
TDD 39	L	17.82	
	M	17.65	
	H	17.39	-91.8
TDD 40	L	17.05	
	M	16.37	
	H	16.62	-89.97
TDD 41	L	17.11	
	M	17.66	
	H	17.75	-89.1

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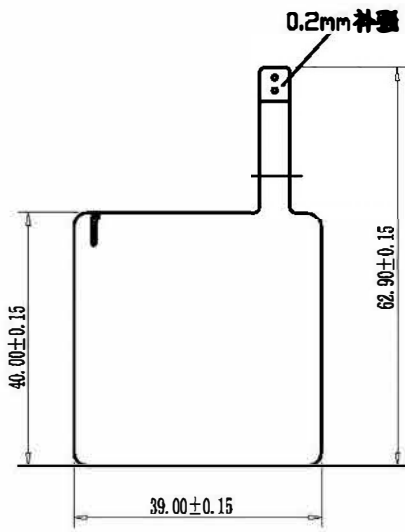
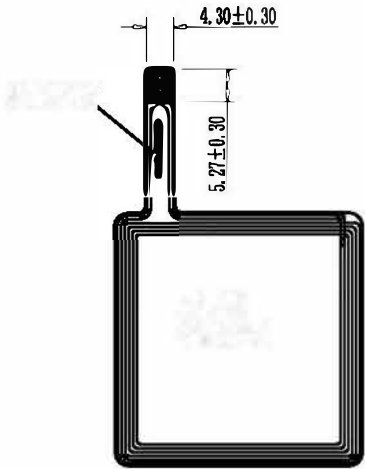
NFCpart



WIFI/BT ANT



NFC ANT



NOTE: Hitting 4 is the key to detect the size, and the hole size is subject to the actual matching. If the national risk is not marked L=0.30_ it is better to achieve the middle reading value for the middle school size. For other unmarked values, please refer to the description in the kitchen box. Package folded 2 times). The face is sleepy, the gold finger is gold 2 times, and the back is a whole piece of M 300 LE stock. The surface can not be scratched. The steel is exposed, the electricity is defective, oxidized, notched, pressed, bubbles, and margins : And foreign objects, dirty spots, letter bits, etc. are not allowed. , the village material must meet the requirements of DBS2.0 and DACH and other environmental laws and regulations

 深圳市三好无线通信有限公司									
0~10		±0.10	⊙	0.02	机种	D011		日期	2023-02-25
10~20		±0.12	◎	0.03	品名	FPC天线(NFC)		设计	
20~40		±0.15	±	0.02	料号	CQ-D011-01		射頻	
40~50		±0.20	▧	0.04	材质	电解铜+PI		项目类别	手机天线
			▨	0.02	模面处理			单位	mm
					外观处理			比例	1:1
					位置			版本	R:A

日期	修改内容	版本	修订	
1	2	3	4	5