

深圳市嘉盛佳科技有限公司

Shenzhen jiashengjia Technology Co., Ltd

天线测试报告

Antenna Test Report



日期：2024年10月17日



报告目录:

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- 2.项目负责人联系信息
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1.项目调试简介

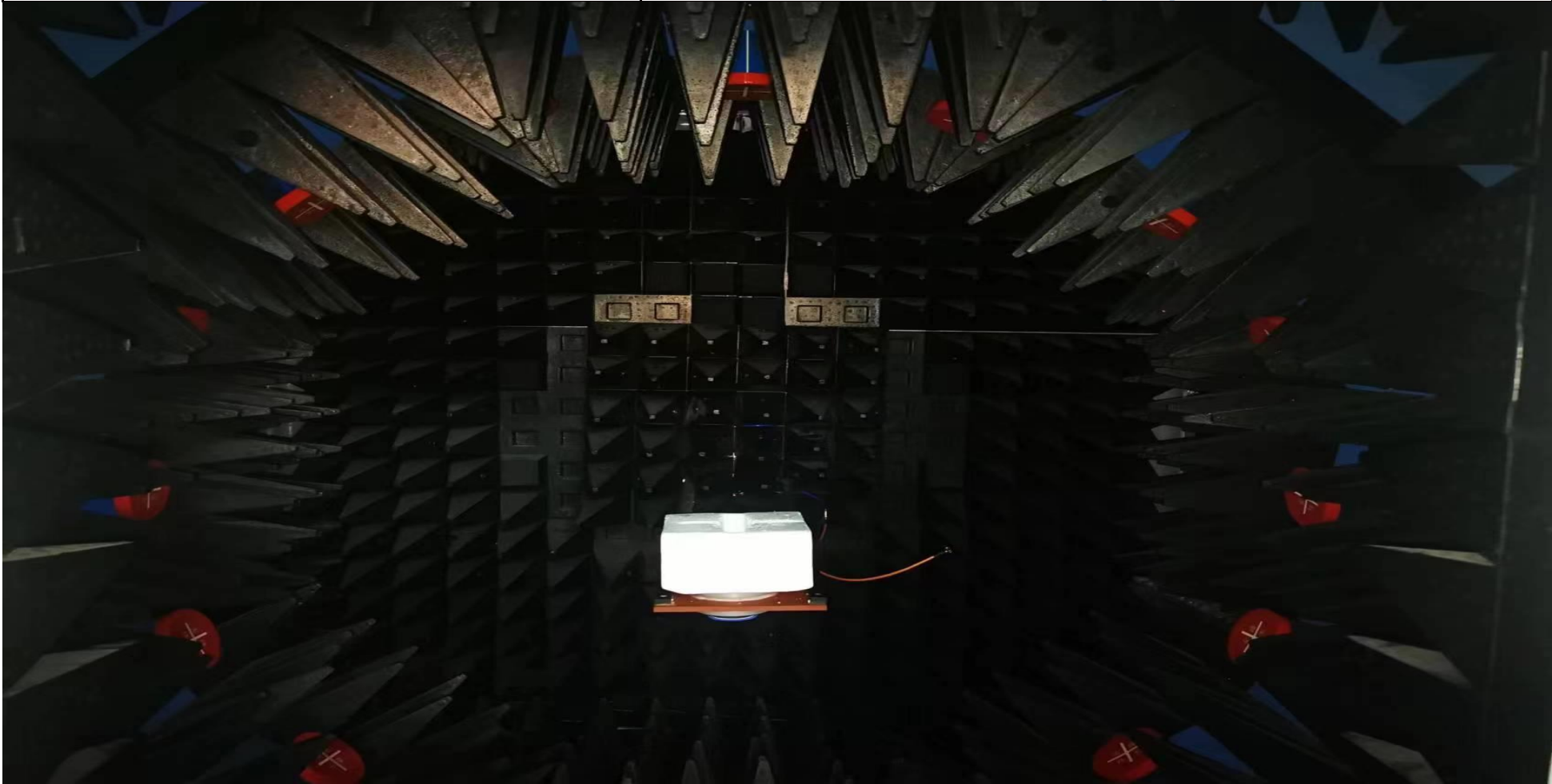
客户名		攀凌科技		项目名		6765-H655B-6寸	
机型		手持机		天线材质		FPC	
天线概括	主天线	天线频段		天线状态	天线区域	天线形式	天线配是否更改
		2G	850/900/1800/1900	样品验证	壳料内侧		否
		3G	B1, B2, B5 ,B8	样品验证	壳料内侧		否
		4G	FDD:B1,B3B5,B8 B20 B28A B28B, TDD:B38,B39,B40,B 41	样品验证	壳料内侧		否
	其他天线	BT/WIFI GPS		样品验证			
		分集		样品验证			

2.项目负责人联系信息

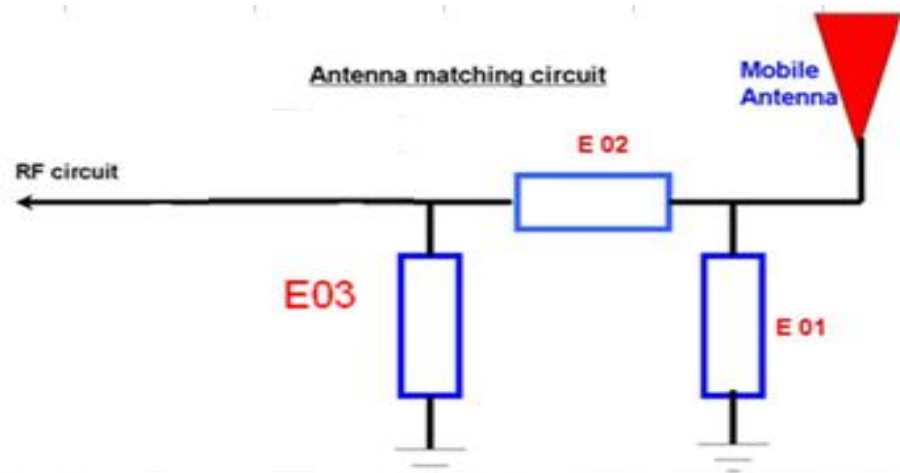
RF工程师	周勇	13556806912	zhouyong@szyosong.com
ME工程师	朱学鑫	18576423302	szjsj03@163.com

3.测试环境

综测仪	CMW500
暗室	Atenlab 2*2*2
测试工程师	刘俊
温度	25℃
湿度	65% (RH)



4.各天线匹配电路及无源参数



开关逻辑: RF1—0欧—2G: 90018001900
3G:B1 B2 B8
4G: B1-3-8-38-39-40-41
RF2—18NH—B28AB
RF3—4.8NH—G850/W5/B5/B20

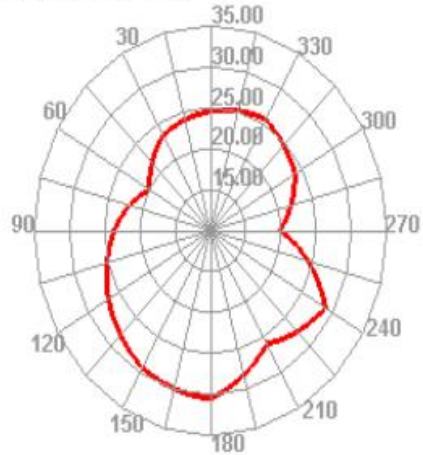
2G主天线有源测试数据

ANT TRP&TIS parameter Summary						
频段	GSM900			DCS1800		
信道	1	62	124	512	698	885
TRP(dBm)	26.38	25.72	25.21	24.13	24.58	25.03
TIS (dBm)			-102.22			-102.39
ANT TRP&TIS parameter Summary						
频段	EGSM850			PCS1900		
信道	128	190	251	512	661	810
TRP(dBm)	24.07	24.67	25.17	25.37	25.02	24.68
TIS (dBm)			-102.32			-102.55

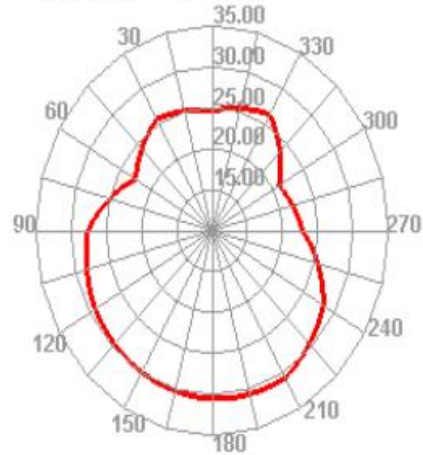
3G主天线有源测试数据

频段	B1			B2		
TRP (dBm)	17.37	16.85	16.59	17.66	17.28	17.11
TIS (dBm)			-102.64			-102.33
频段	B5			B8		
TRP (dBm)	15.02	15.39	15.77	16.08	15.85	15.49
TIS (dBm)			-102.39			-102.39

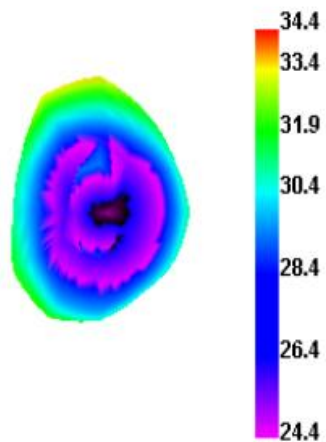
PCS 512 TRP E1



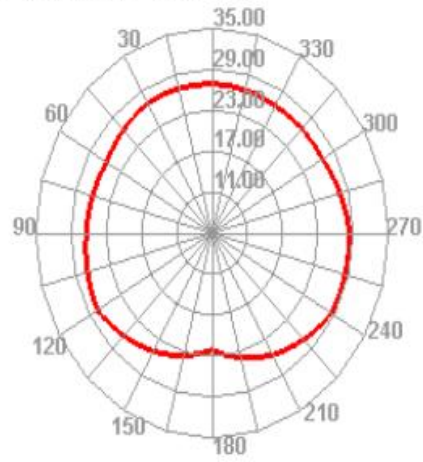
PCS 512 TRP E2



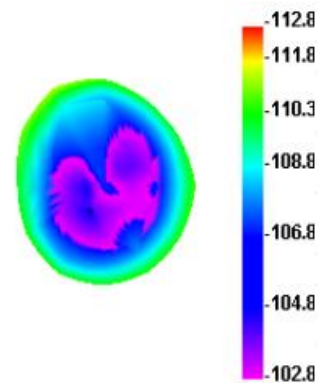
PCS 810 TRP



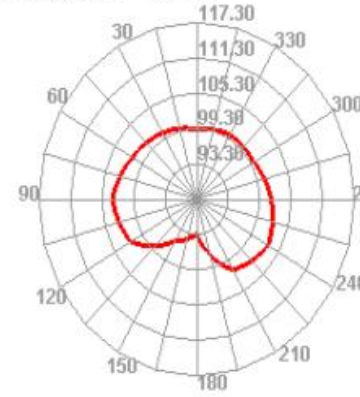
PCS 810 TRP H



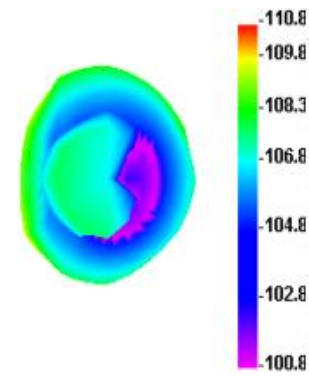
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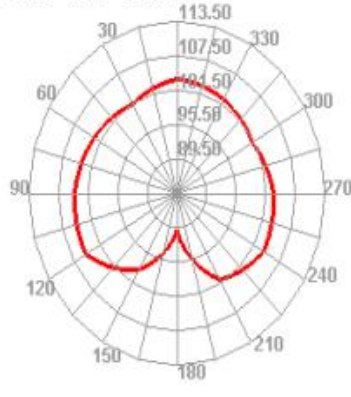
CH810
PCS 810 TIS H



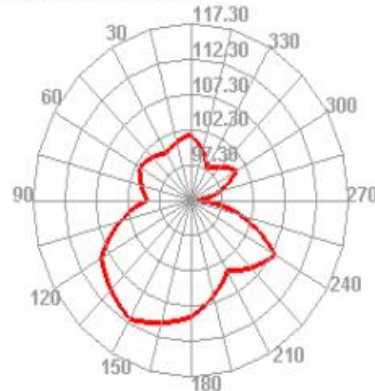
DCS 885 TIS



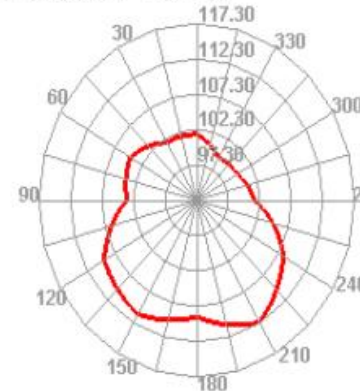
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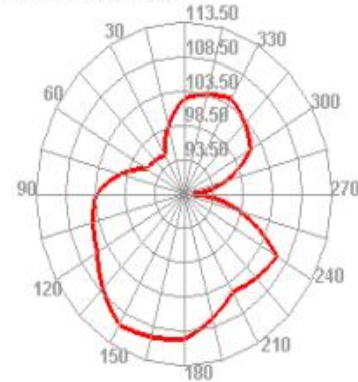
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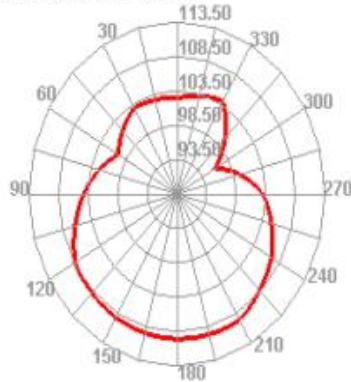
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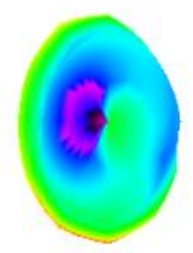
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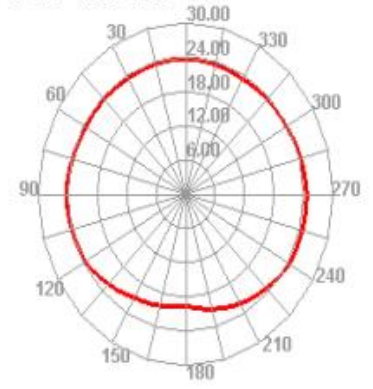
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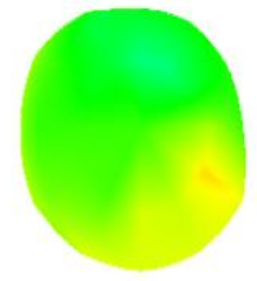
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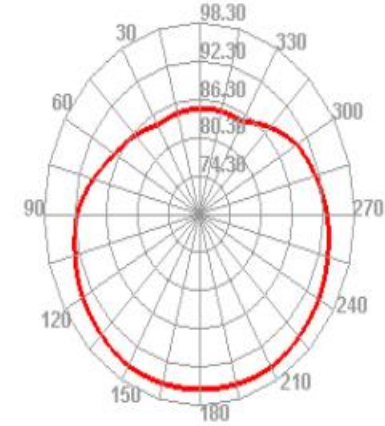
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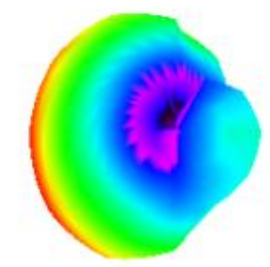
EGSM 124 TIS



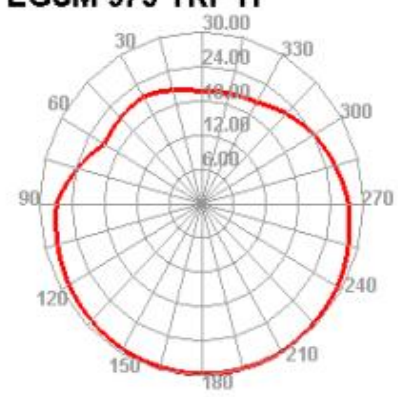
EGSM 124 TIS H



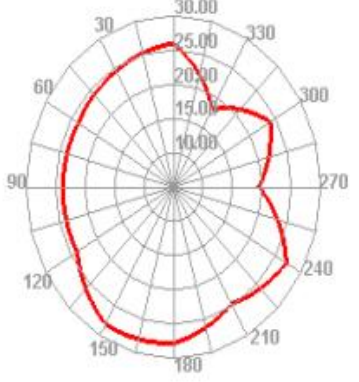
EGSM 975 TRP



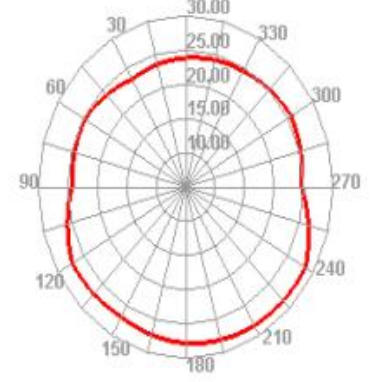
EGSM 975 TRP H



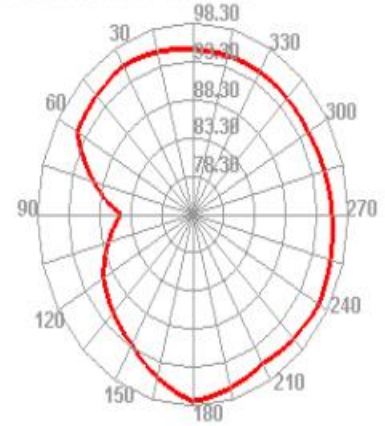
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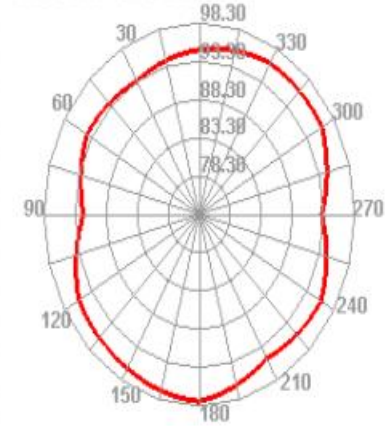
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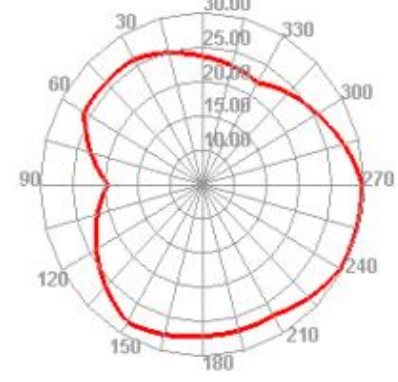
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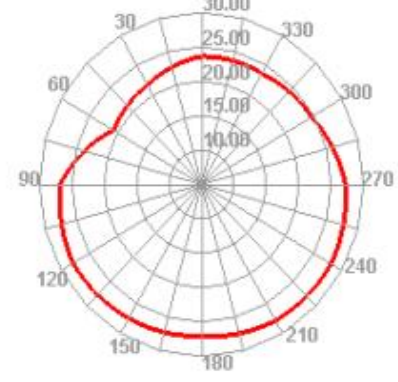
EGSM 124 TIS E2



EGSM 975 TRP E1



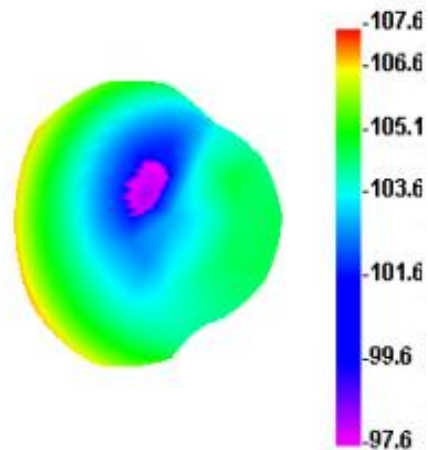
EGSM 975 TRP E2



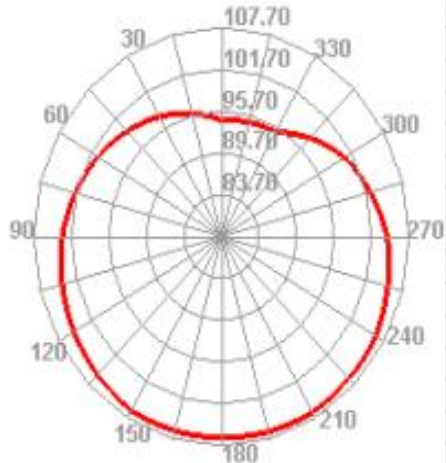
DCS 885 TRP

DCS 885 TRP H

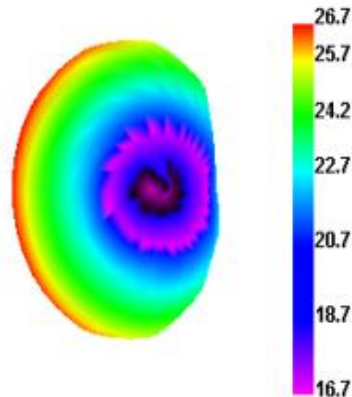
GSM850 251 TIS



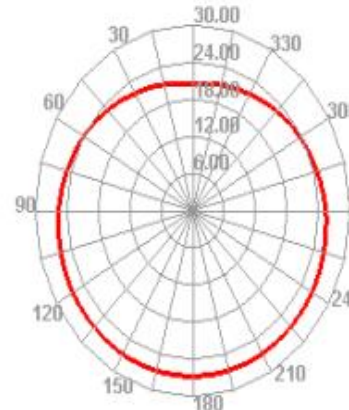
GSM850 251 TIS H



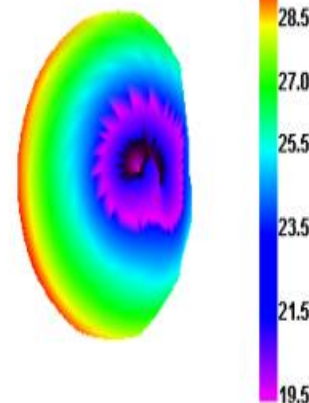
GSM850 128 TRP



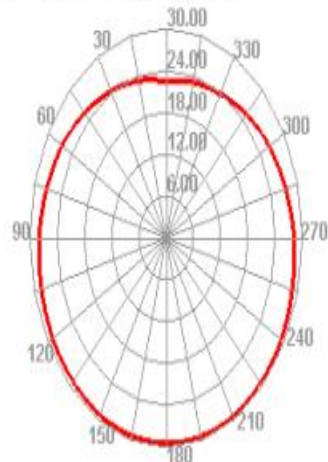
GSM850 128 TRP H



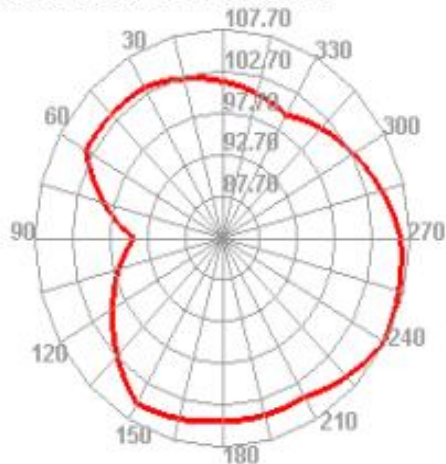
GSM850 251 TRP



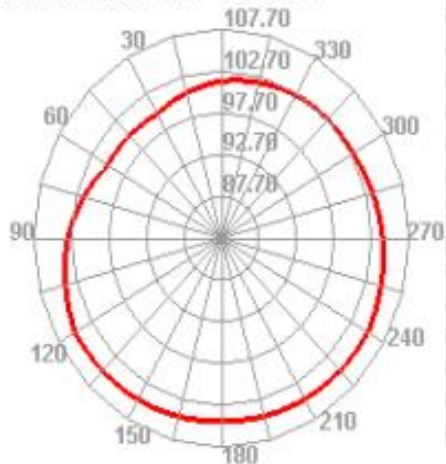
GSM850 251 TRP H



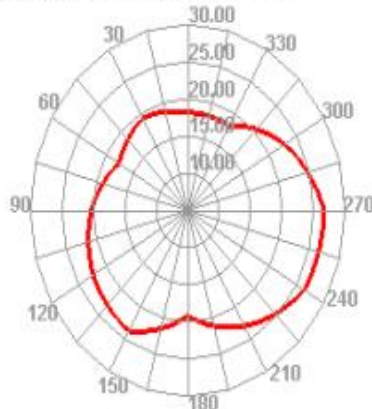
GSM850 251 TIS E1



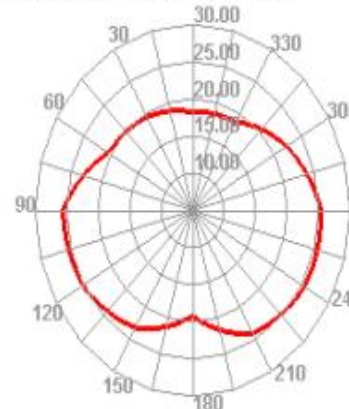
GSM850 251 TIS E2



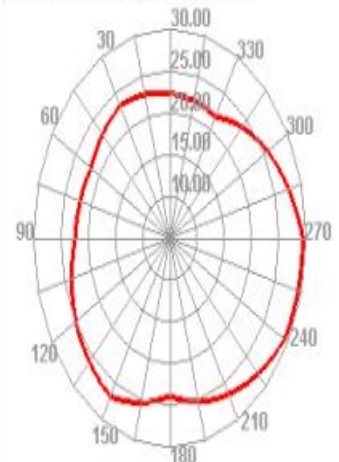
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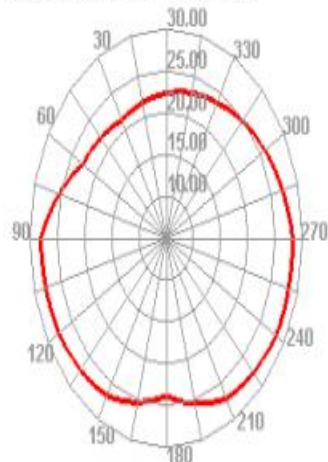
GSM850 128 TRP E2



GSM850 251 TRP E1



GSM850 251 TRP E2



4G主天线有源测试数据

ANT TRP&TIS parameter Summary						
频段	B1			B3		
信道	18050	18300	18550	19250	19575	19900
TRP (dBm)	17.81	17.55	17.09	16.88	17.27	17.69
TIS (dBm)			-88.29			-88.75

频段	B5			B8		
信道	20450	20525	20600	21500	21625	21750
TRP (dBm)	15.79	16.37	16.75	16.71	16.43	15.89
TIS (dBm)			-87.09			-87.55

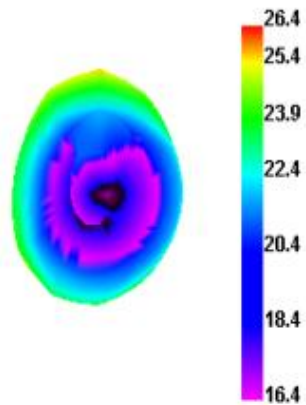
频段	B38			B39		
信道	37800	38000	38200	38300	38450	38600
TRP (dBm)	17.84	17.59	16.81	18.54	18.18	17.79
TIS (dBm)			-88.81			-88.19

频段	B40			B41		
信道	38700	39150	39600	40350	40620	41100
TRP (dBm)	17.69	17.31	16.75	17.66	17.46	17.05
TIS (dBm)			-87.27			-88.55

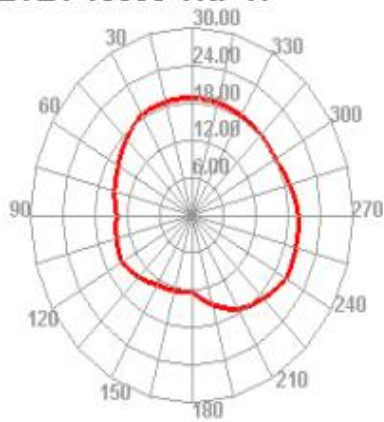
频段	B28A			B28B		
信道	37800	38000	38200	38300	38450	38600
TRP (dBm)	14.07	14.29	14.66	14.16	14.56	14.88
TIS (dBm)			-86.58			-87.51

频段	B20		
信道	24200	24300	24400
TRP (dBm)	15.27	15.85	16.18
TIS (dBm)			-87.39

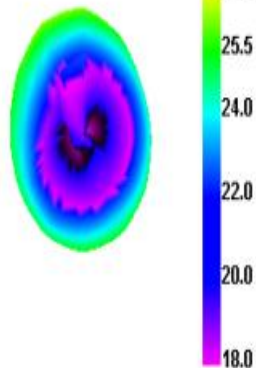
LTE1 18050 TRP



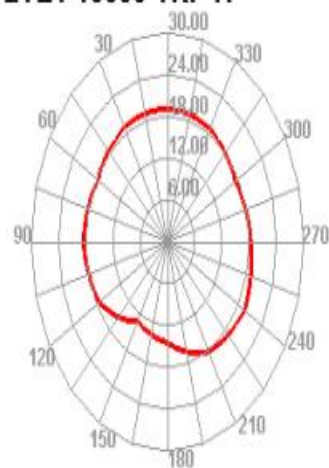
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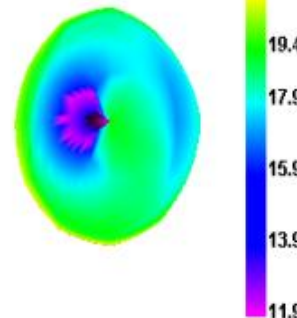
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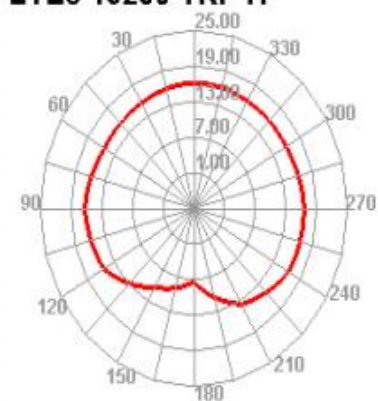
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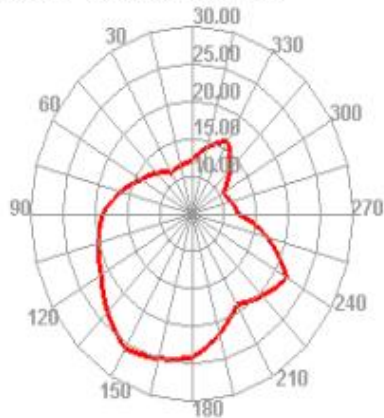
LTE3 19250 TRP



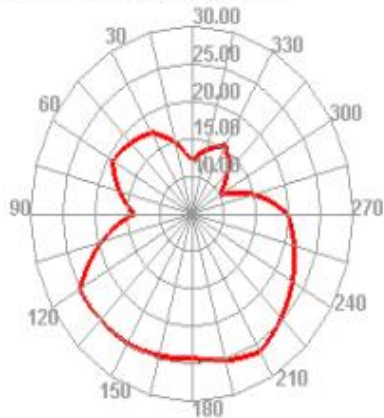
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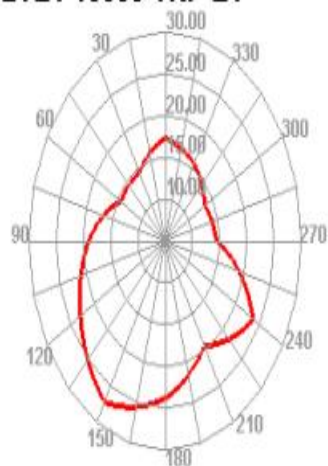
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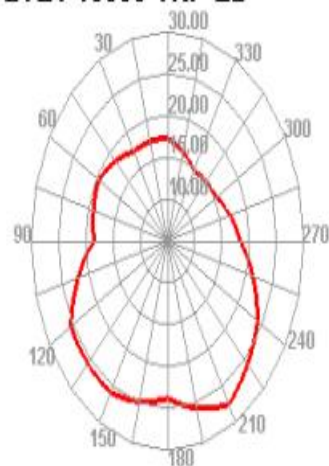
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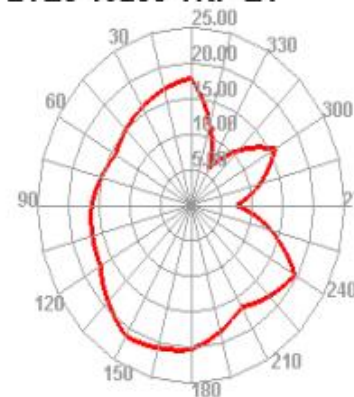
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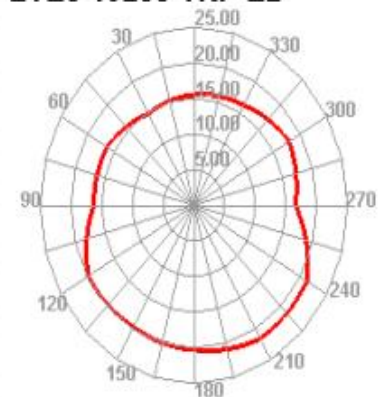
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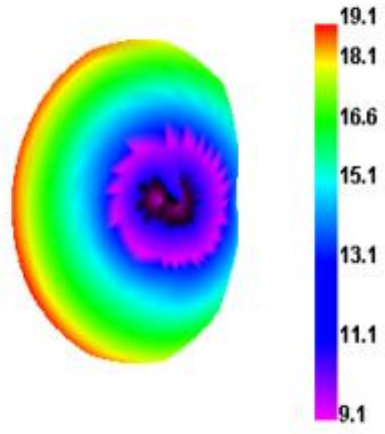
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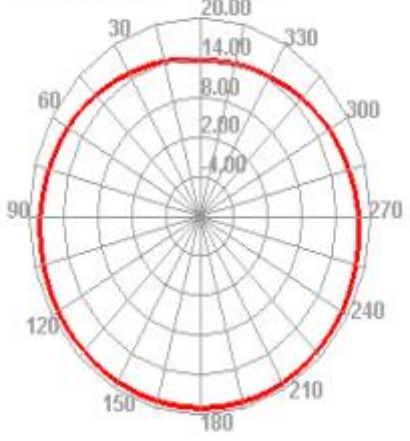
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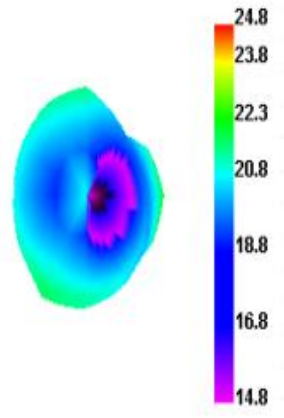
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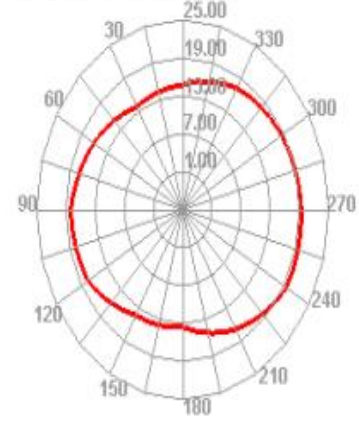
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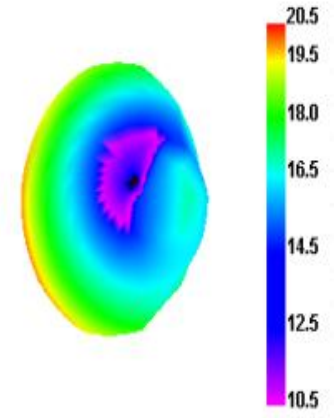
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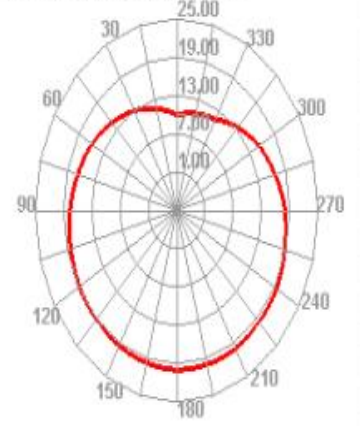
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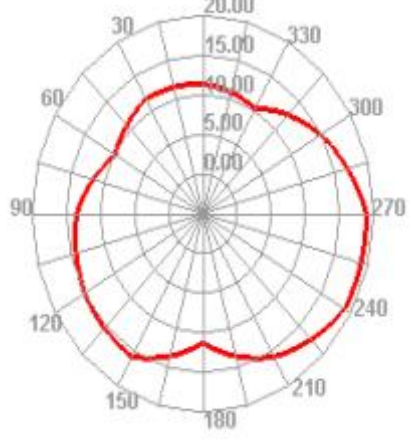
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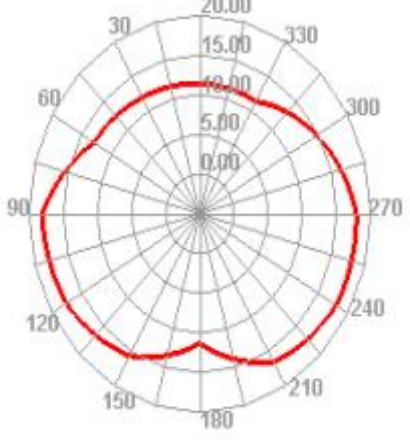
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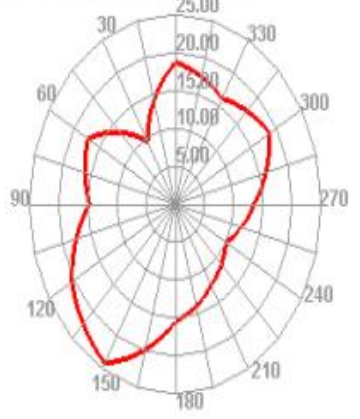
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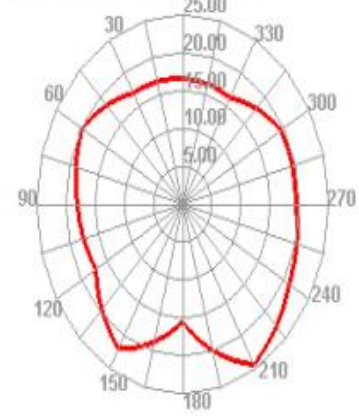
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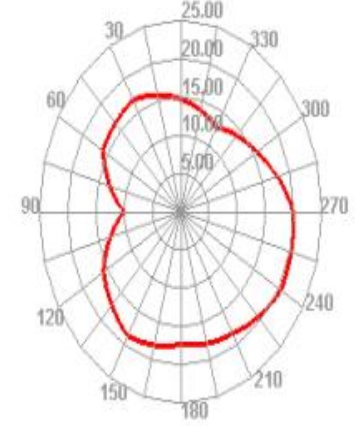
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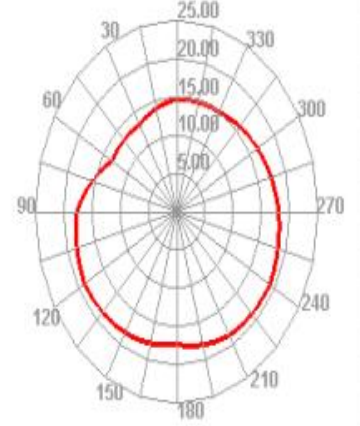
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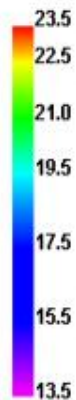
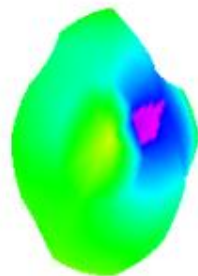
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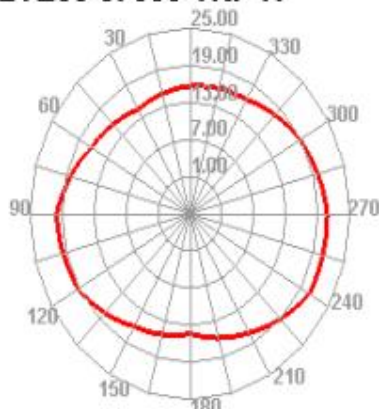
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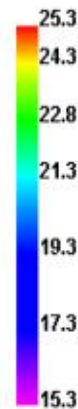
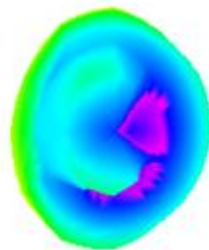
LTE38 37850 TRP



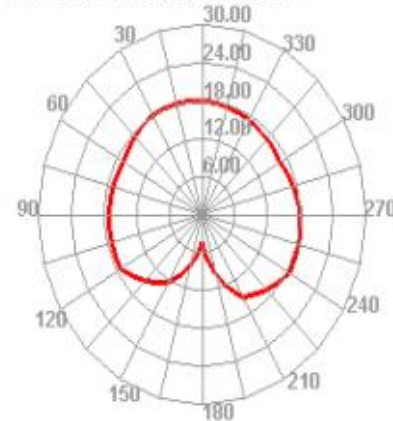
LTE38 37850 TRP H



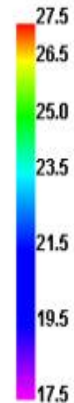
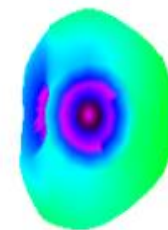
LTE39 38350 TRP



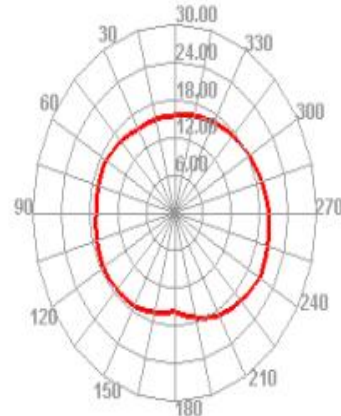
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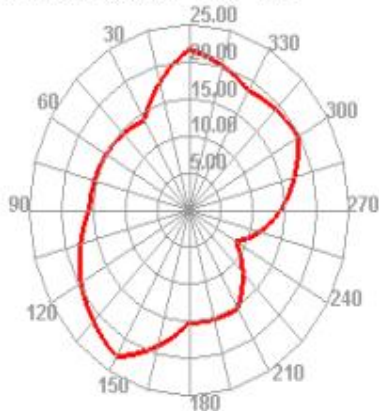
LTE40 38750 TRP



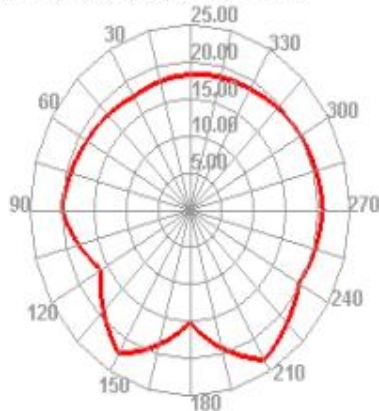
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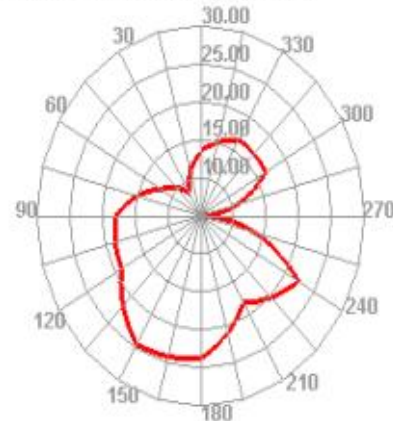
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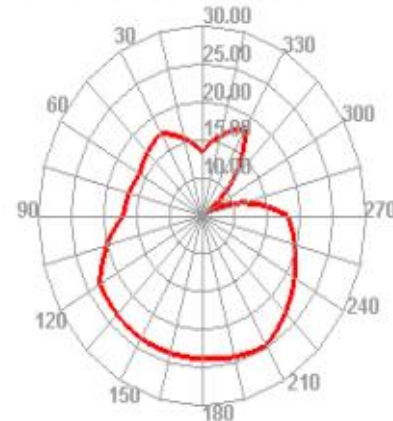
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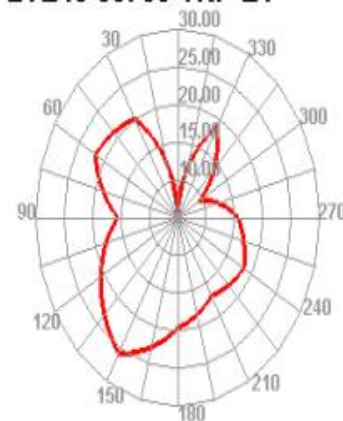
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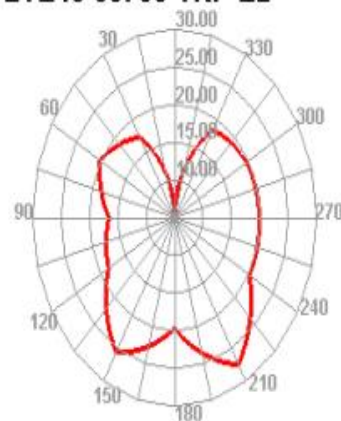
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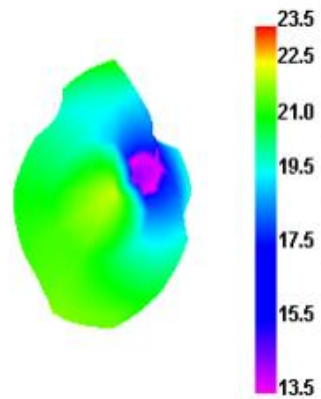
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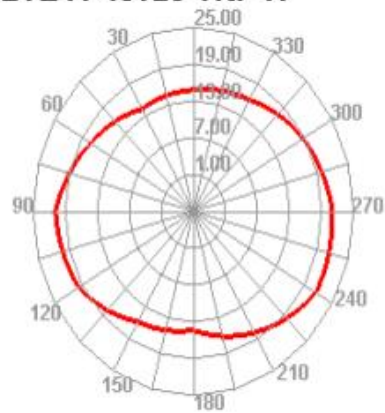
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LTE38 38150 TRP H

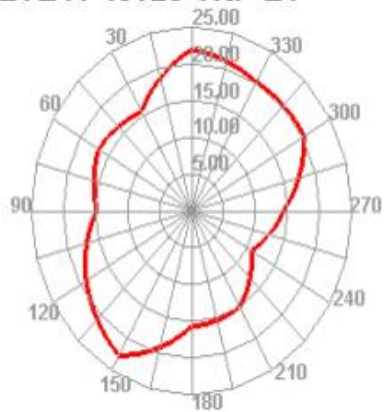
LTE41 40620 TRP



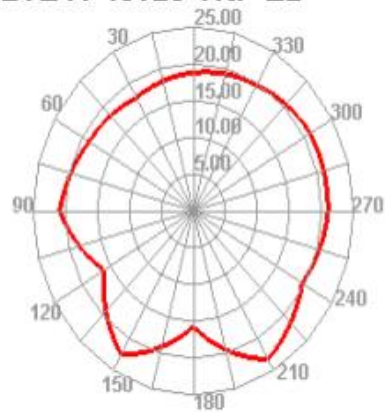
LTE41 40620 TRP H



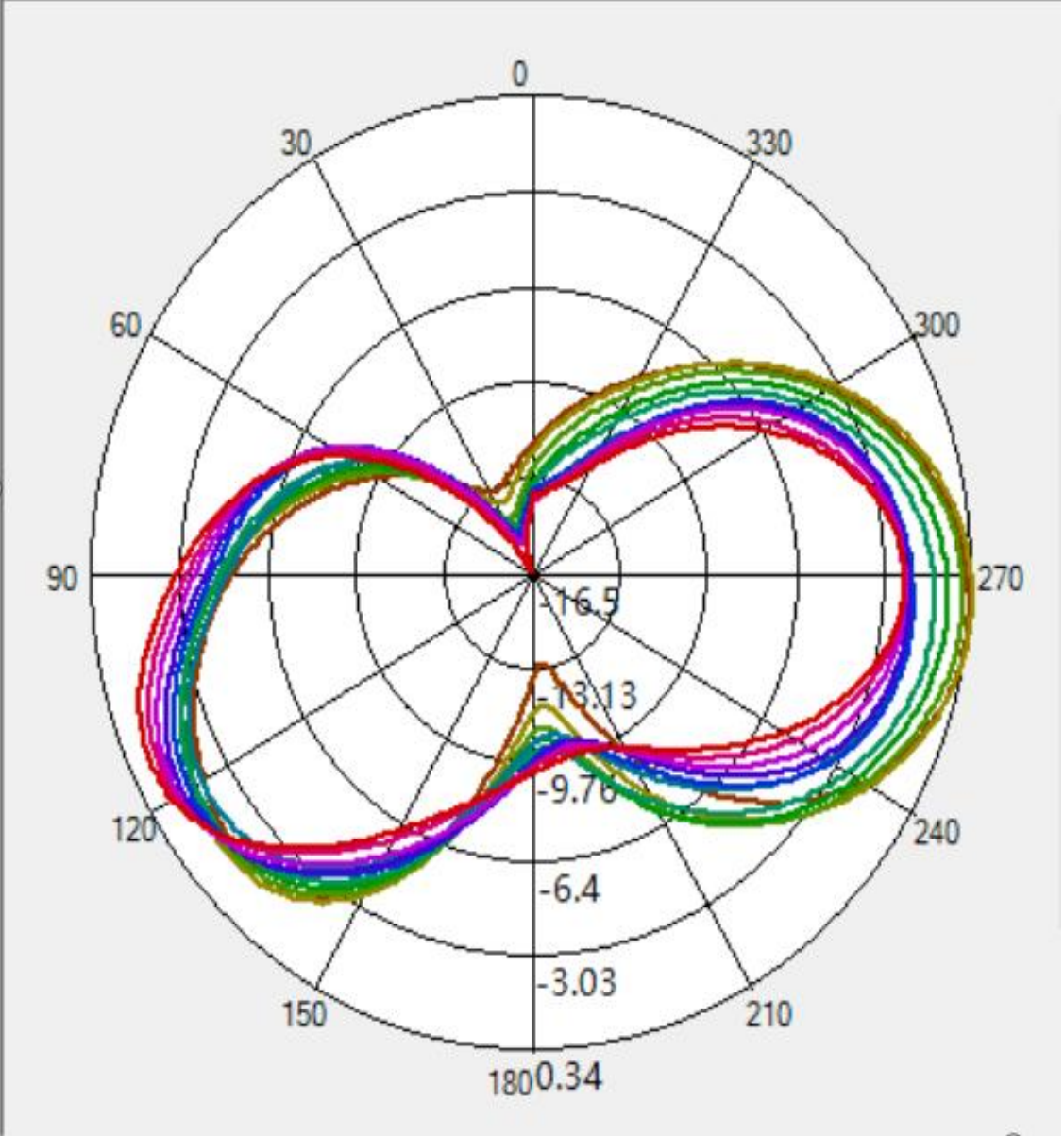
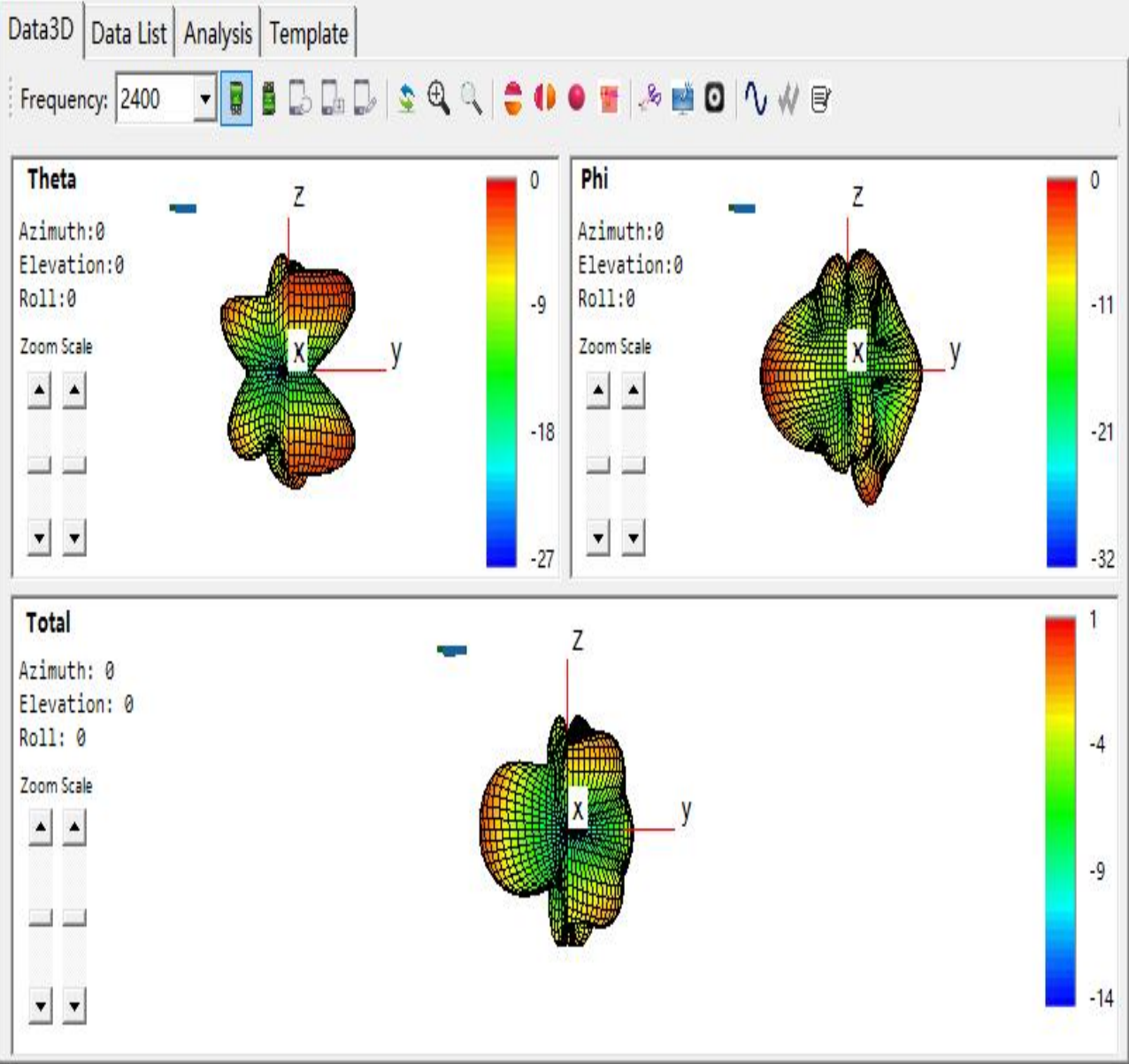
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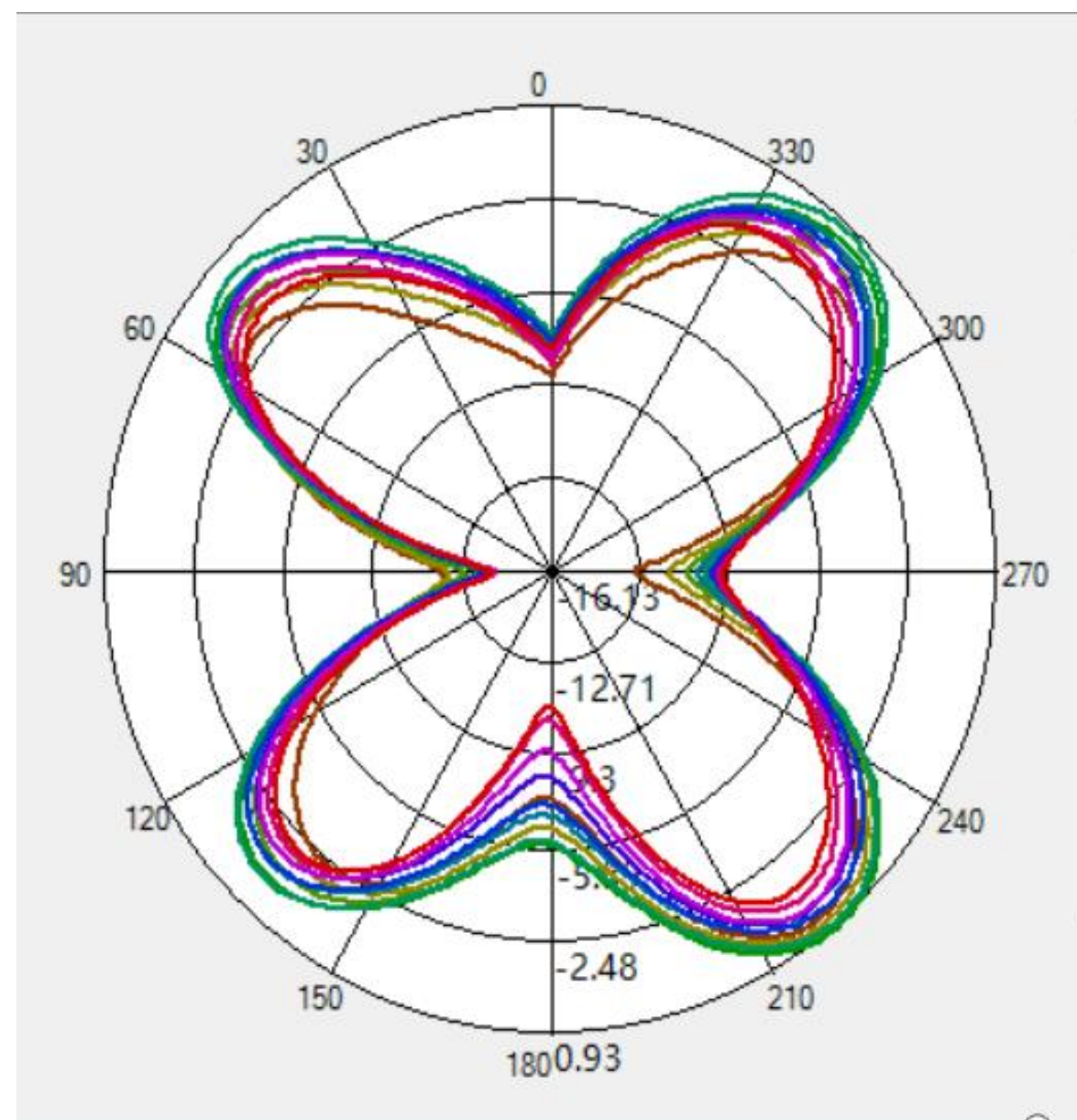
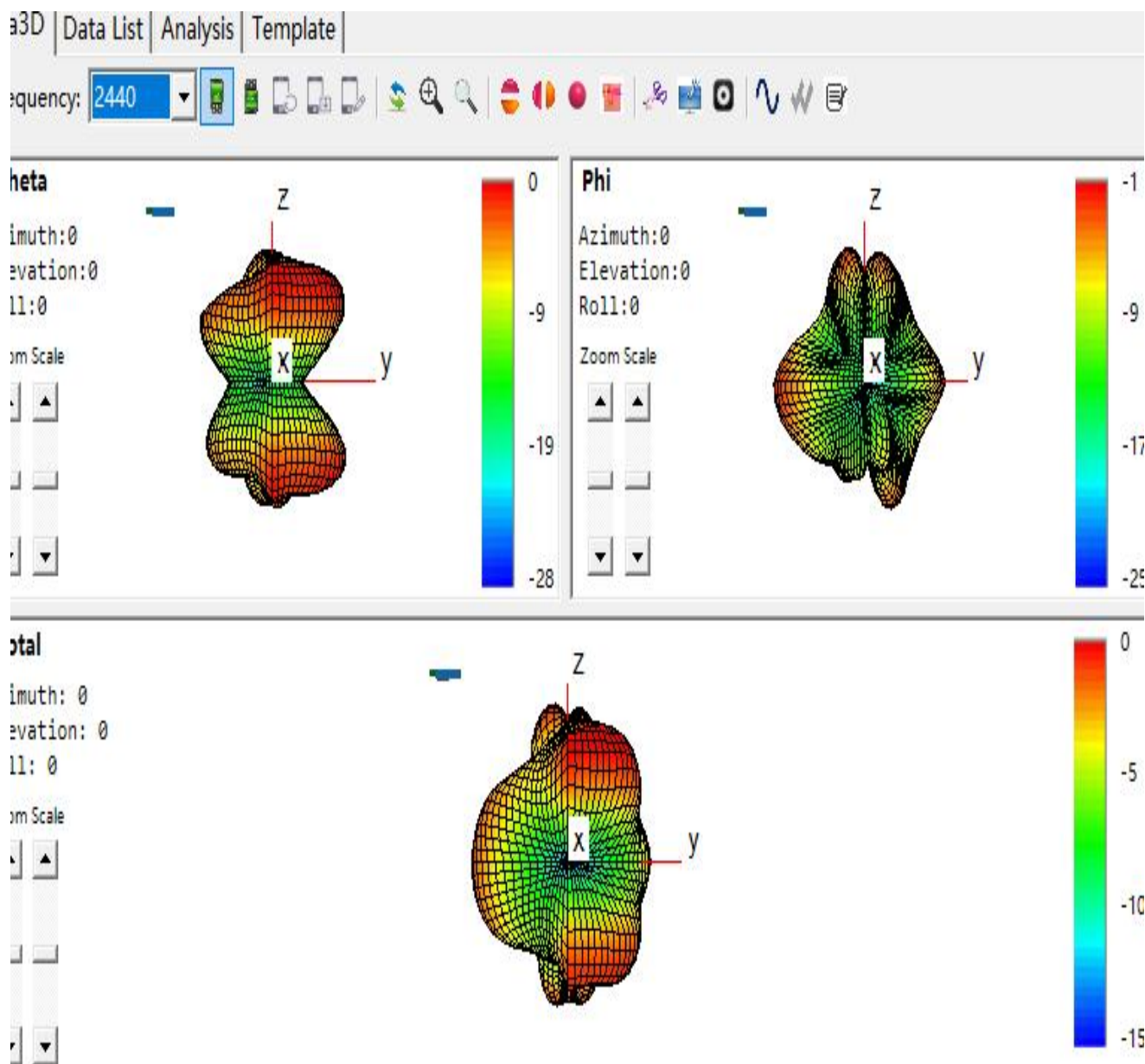


LTE41 40620 TRP E2



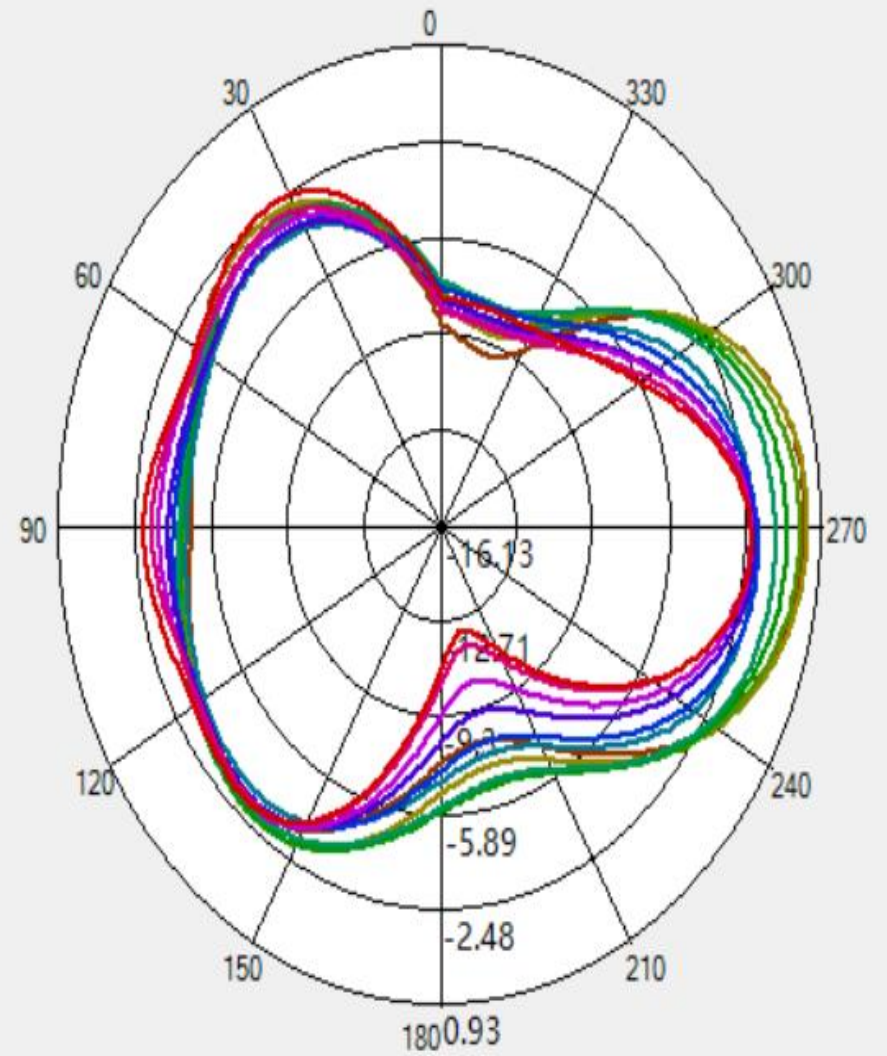
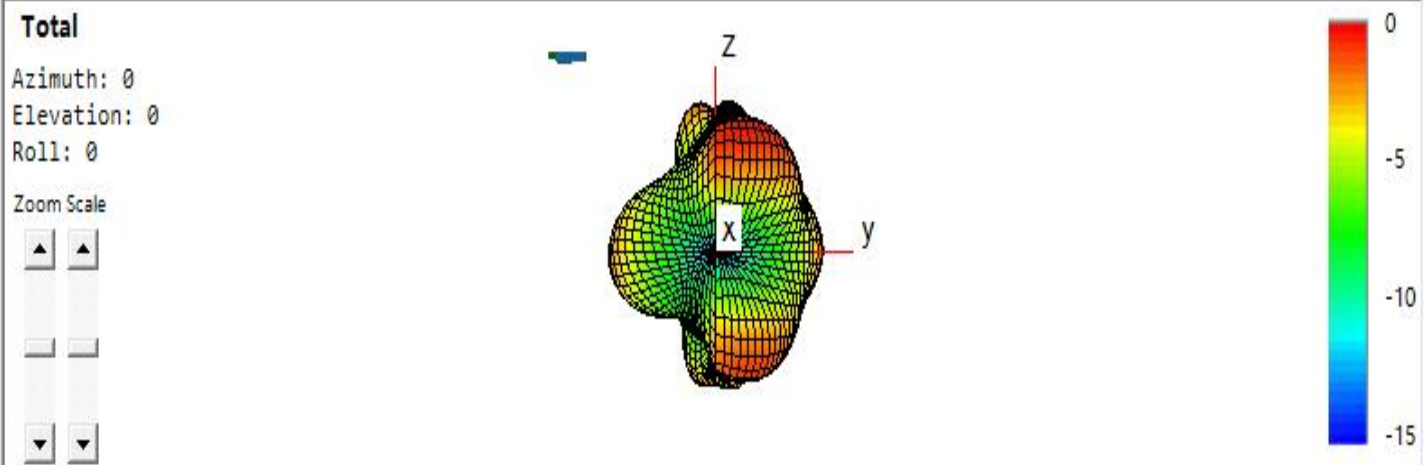
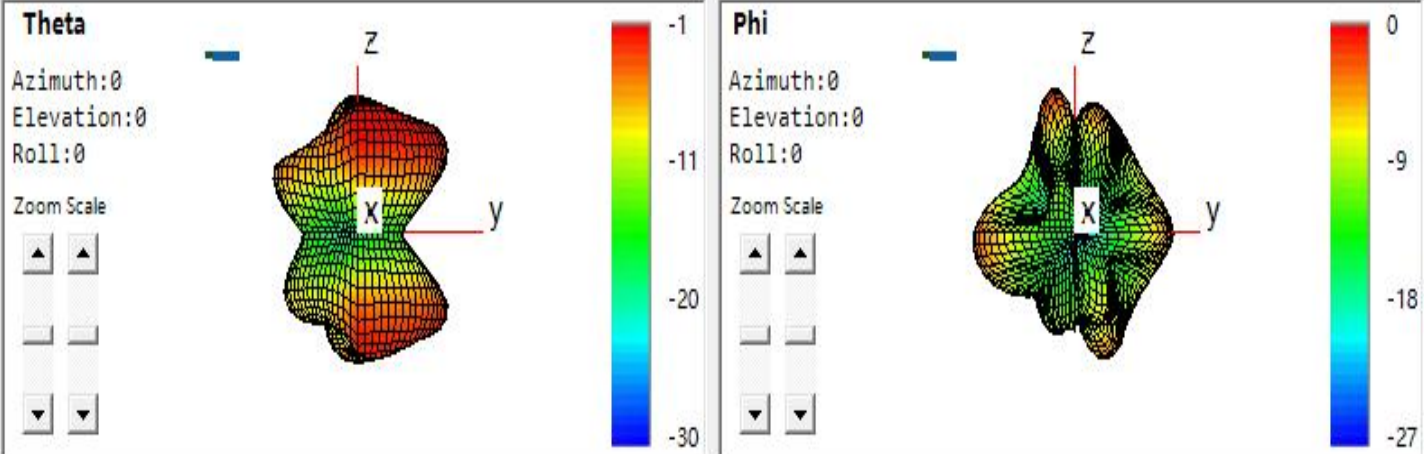
Freq	Effi	Gain	Freq	Effi	Gain	Freq	Effi	Gain
(MHz)	(%)	(dBi)	(MHz)	(%)	(dBi)	(MHz)	(%)	(dBi)
820	43.9	1.05	1770	54.49	3.26	2280	52.26	3.71
830	44.12	1.16	1800	52.38	3.62	2310	53.43	4.08
840	45.67	1.41	1830	47.64	3.16	2340	51.28	3.69
850	47.13	1.63	1860	47.71	2.72	2350	50.68	3.38
860	49.43	1.82	1890	53.02	3.29	2360	50.12	3.05
870	53.28	1.99	1920	55.06	3.51	2370	49.38	3.65
880	57.26	2.24	1950	57.62	3.46	2400	47.76	2.96
890	62.03	2.39	1980	60.68	3.39	2430	51.24	3.52
900	64.58	2.57	2010	58.59	3.25	2460	59.02	4.23
910	67.89	3.02	2040	52.12	2.11	2490	59.72	5.18
920	69.93	3.27	2070	42.29	1.27	2520	60.93	5.31
930	71.49	3.54	2100	30.72	0.83	2550	64.53	4.82
940	69.86	3.68	2130	23.16	-0.58	2580	68.62	5.09
950	69.02	3.69	2160	30.18	0.26	2610	64.27	4.82
960	68.17	3.34	2190	40.94	1.79	2640	62.64	4.51
1710	43.69	2.56	2220	50.63	2.89	2670	63.65	4.21
1740	50.12	2.93	2250	58.92	3.96	2700	63.82	4.18





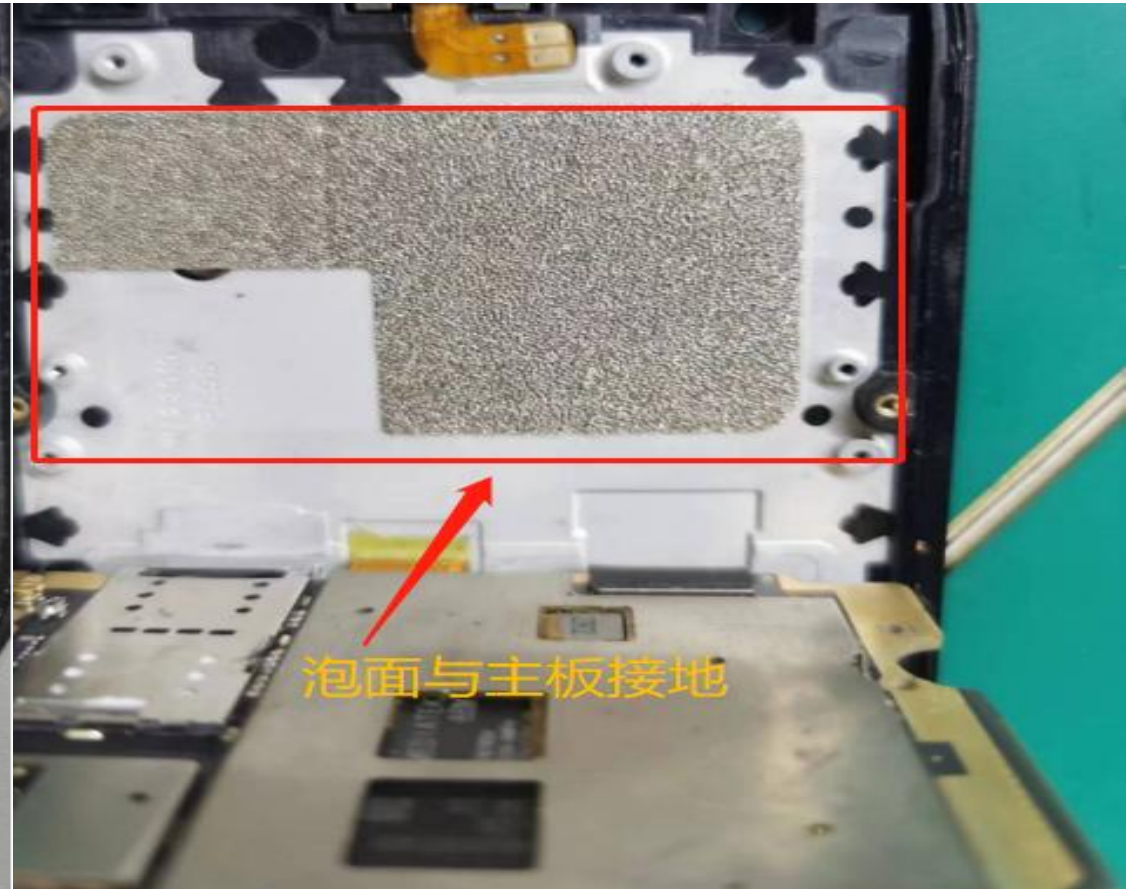
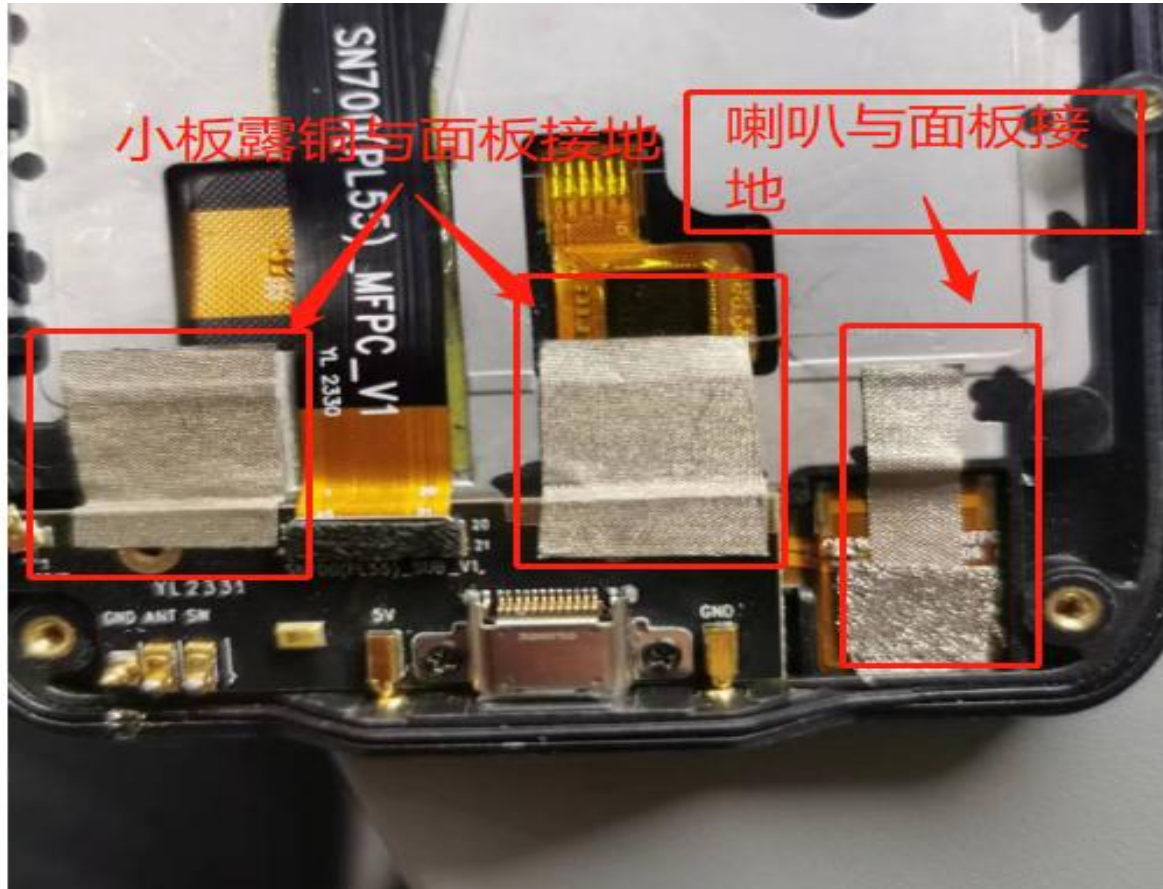
Data3D | Data List | Analysis | Template

Frequency: 2480



Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	46.44	0.56	5000	39.58	-0.67
2410	47.49	0.66	5050	40.45	-0.44
2420	47.84	0.81	5100	41.23	-0.25
2430	48.17	0.73	5150	40.17	-0.18
2440	48.75	1.01	5200	41.4	0.24
2450	49.31	1.33	5250	42.76	0.58
2460	50	1.45	5300	45.11	0.86
2470	49.64	1.29	5350	47.03	1.43
2480	49.16	0.78	5400	45.96	0.82
2490	46.57	0.53	5450	43.86	0.73
2500	45.35	0.19	5500	45.23	0.93
			5550	46.15	1.36
			5600	44.58	0.67
			5650	43.81	0.41
			5700	42.36	0.22
			5750	40.76	-0.35
			5800	41.19	-0.19
			5850	42.39	0.38
			5900	45.66	0.87

环境处理



THANK YOU

