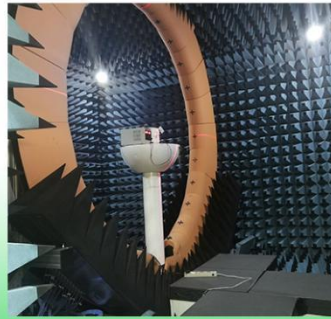
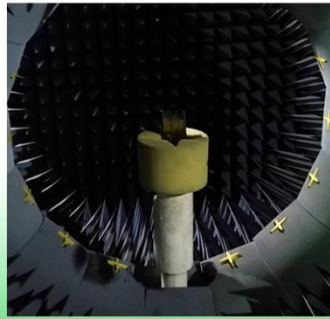
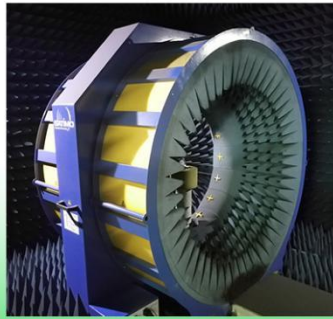
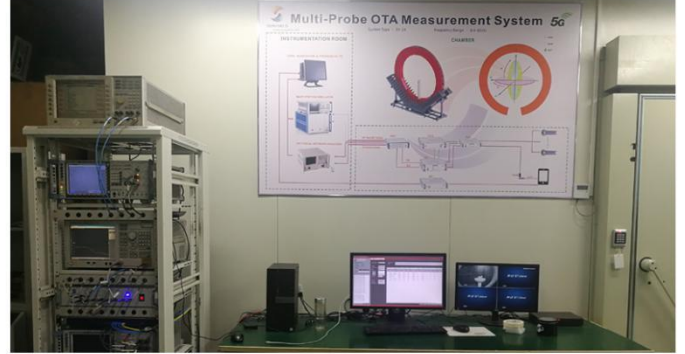


ANWEI commnuication Equipment Co.,Ltd

APPROVAL SHEET

Customer	Youmi	Specs	S67L
Part Number		Frequency Band	2G:GSM850/900/1800/1900 3G:WCDMA-B2/4/5/8 4G:LTE-B2/4/5/7/12/25/26/28A/28B/40/41/66/ /71 5G:N2/5/7/25/28 /41/66/71/77/78
Color	Black	Edition	REV:A0
Salesperson	Mr.Xie	Design	Zong Zhi Hui
Structure	Qin Yun Lin	Confirm	
Date	2025/03/21	Signing Date	
Customer confirmation:			
ANT Manufacturers: ANWEI commnuication Equipment Co.,Ltd Address:2nd Floor, East Block, Building 5, Yifenghua Innovation Industrial Park, Huaning Road, Dalang Street, Longhua District, Shenzhen City, Guangdong Province			

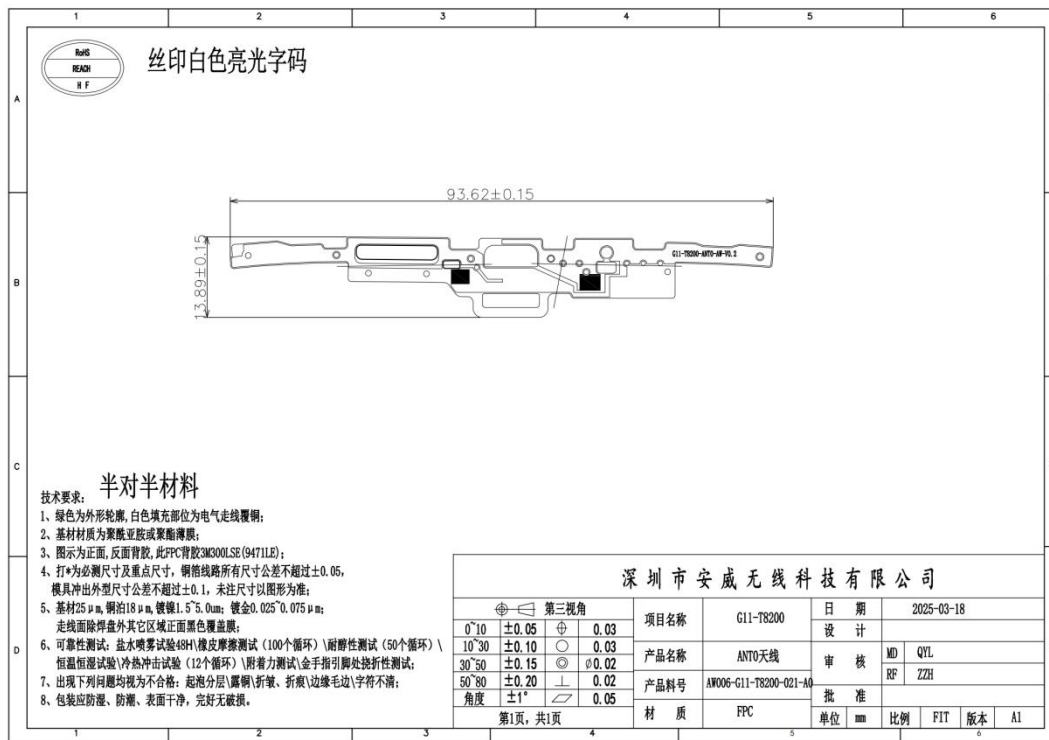
Project development environment



安威无线一直都是您值得信赖且优秀的合作伙伴，我们为您提供全方位一站式的产品以及技术服务！

“质量第一，服务至上”是安威一直以来的发展宗旨

(antenna 0)



(Working frequency band): 600MHZ~960MHZ TRX

2G:GSM850/900

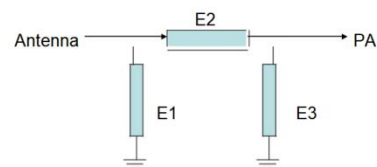
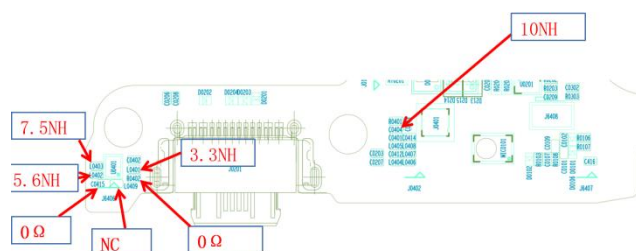
3G:WCDMA-B5/8

4G:LTE-B5/12/26/28A/28B/71

5G:N5/28/71

(Matcheing network):

ANT0天线匹配电路



ANT0:天线开关协议: 2025-03-14 S67L(V5版)TRX

RF1:GSM850/900+WCDMA-B5/8+LTE-B5/26+N5

RF2:

RF3:LTE-B12/28A/28B+N28

RF4:LTE-B71+N71

ANT1: DCS1800/PCS1900+WCDMA-B2/4+LTE-B2/4/7/25/66+N2/7/25/40/41/66

ANT4:N77/78

Element	Value
E1	10NH
E2	0Ω
E3	NC

(antenna 1)

123456

RoHS
REACH
H F

丝印白色亮光字码

ABCD

半对半材料

技术要求:

- 绿色为外形轮廓, 白色填充部位为电气走线覆膜;
- 基材材质为聚酰亚胺或聚酯薄膜;
- 图示为正面, 反面背胶, 此FPC背胶3M3000LSE (9471LE);
- 打*为必测尺寸及重点尺寸, 铜箔线路所有尺寸公差不得超过±0.05, 模具冲出外型尺寸公差不得超过±0.1, 未注尺寸以图形为准;
- 基材25 μm, 铜箔18 μm, 镍银1.5±0.0um; 镀金0.025~0.075 μm;
- 走线面除焊盘外其它区域正面铜箔无显膜;
- 可靠性测试: 盐水喷雾试验48H\橡皮摩擦测试 (100个循环)\耐酸性测试 (50个循环)\恒温恒湿试验\冷热冲击试验 (12个循环)\附着力测试\金手指引脚处抗折性测试;
- 出现下列问题均视为不合格: 起泡分层\露铜\折痕、折痕\边缘毛边\字符不清;
- 包装应防潮、防潮、表面干净, 完好无破损。

深圳市安威无线科技有限公司

第三视角				项目名称	G11-T8200	日期		2025-03-18	
0°/10°	±0.05	⊕	0.03			设计			
10°/30°	±0.10	⊙	0.03	产品名称	ANT1天线	审核	MD	QYL	
30°/50°	±0.15	⊗	0.02	产品料号	AW006-G11-T8200-022-M	批	BF	ZZH	
50°/60°	±0.20	⊥	0.02	材 质	FPC	准			
角度	±1°	∠	0.05			单位	mm	比例	FIT

第1页, 共1页

123456

(Working frequency band): 1710~2690MHZ TRX

2G:GSM1800/1900

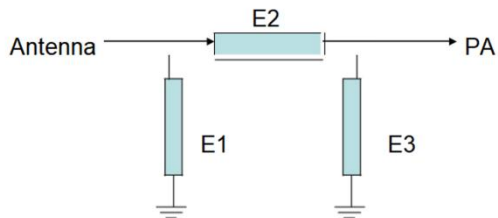
3G:WCDMA-B2/4

4G:LTE-B2/4/7/25/40/41/66

5G:N2/7/25/41/66

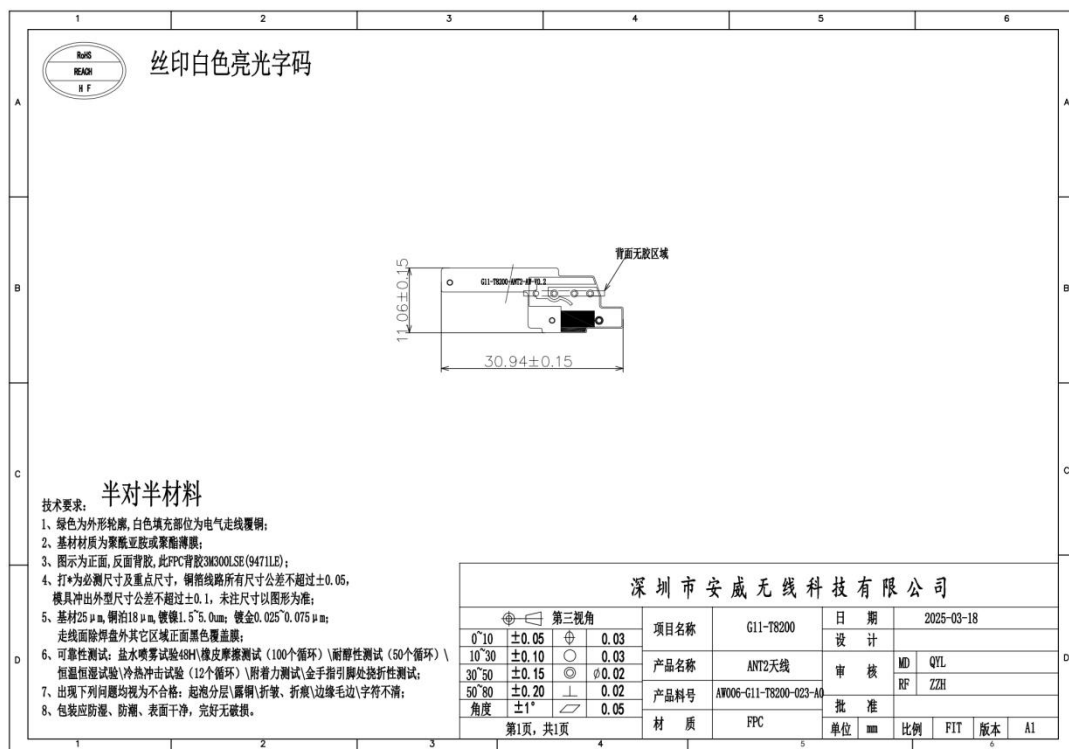
(Matching network):

ANT1匹配电路



Element	Value
E1	
E2	
E3	
E4	
E5	

(MIMO antenna 2)



(Working frequency band): 1710~2690MHZ RX 3300~4200MHZ RX

2G:GSM1800/1900

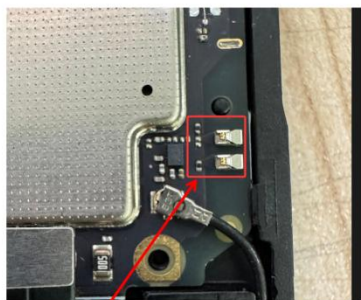
3G:WCDMA-B2/4

4G:LTE-B2/4/7/25/40/41/66

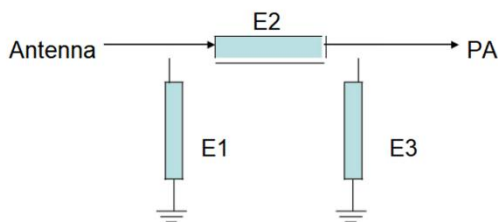
5G:N2/7/25/66/41/77/78

(Matcheing network):

ANT2匹配电路

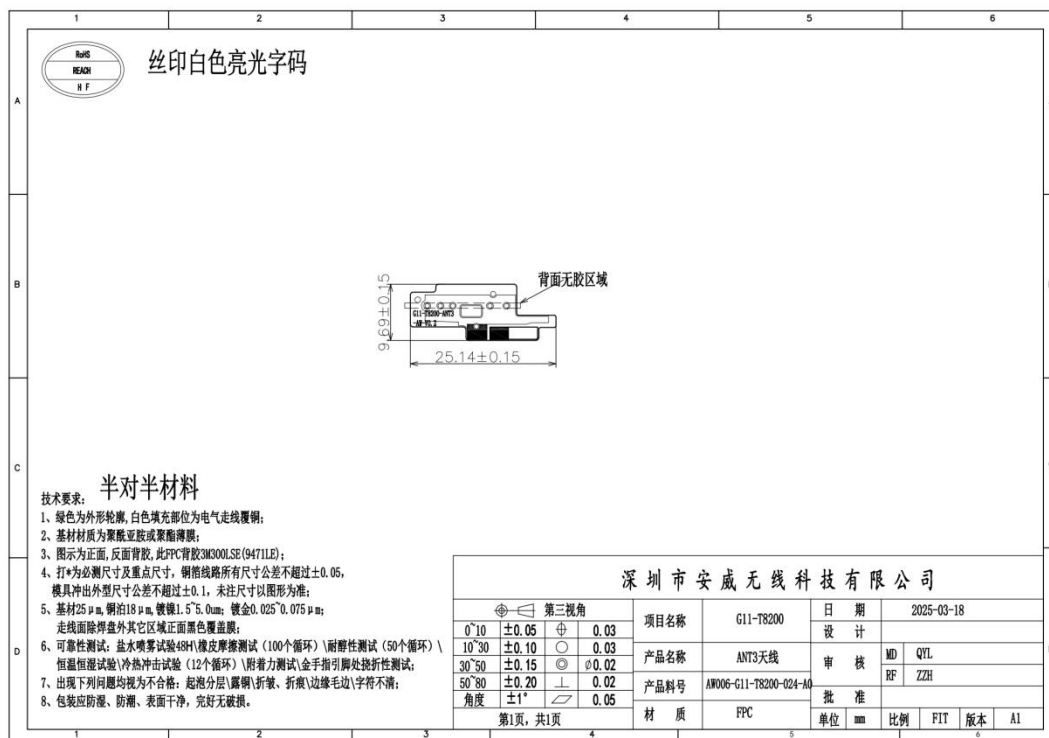


保持主板原匹配状态



Element	Value
E1	
E2	
E3	
E4	
E5	

(MIMO antenna 3)



(Working frequency band): 1710~2690MHZ RX 3300~4200MHZ RX

2G:GSM1800/1900

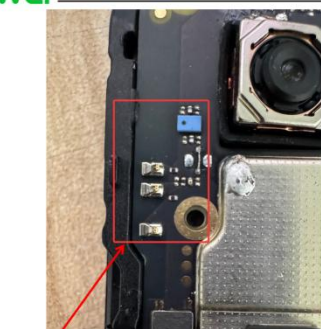
3G:WCDMA-B2/4

4G:LTE-B2/4/7/25/40/41/66

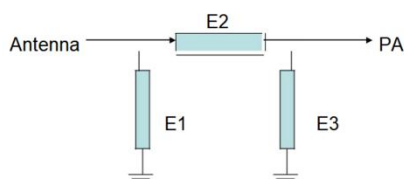
5G:N2/7/25/66/41/77/78

(Matcheing network):

ANT3匹配电路

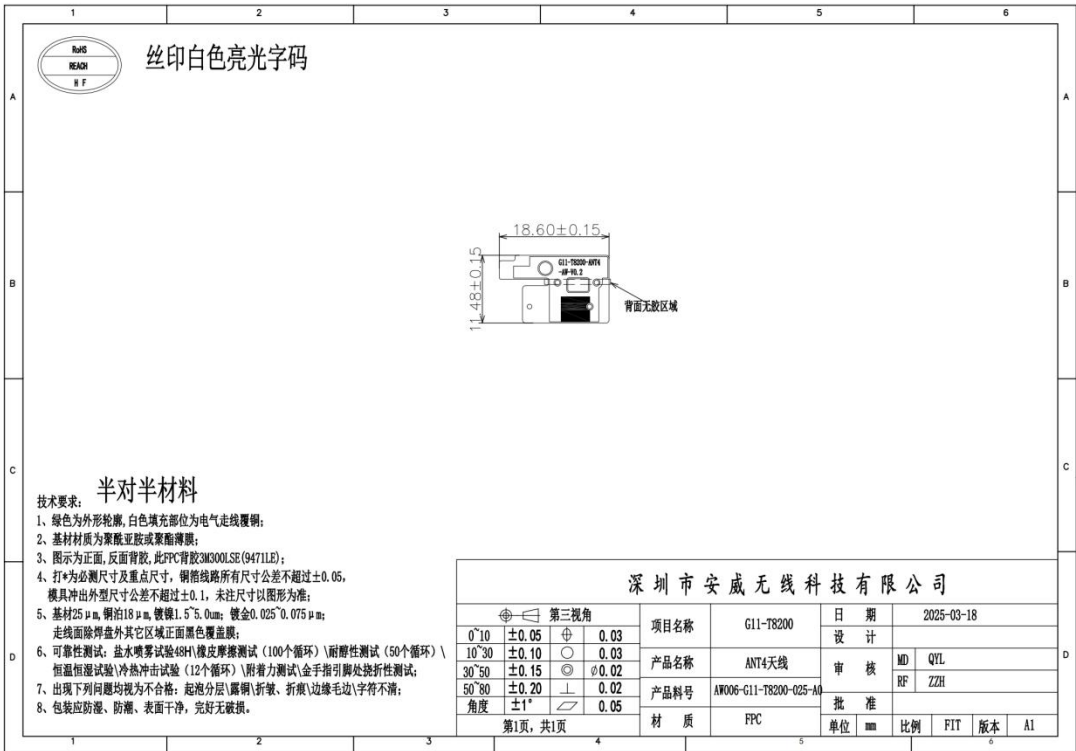


保持主板原匹配状态



Element	Value
E1	
E2	
E3	
E4	
E5	

(antenna 4)



(Working frequency band): 1710~2690MHZ RX 3300~4200MHZ TRX

2G:GSM1800/1900

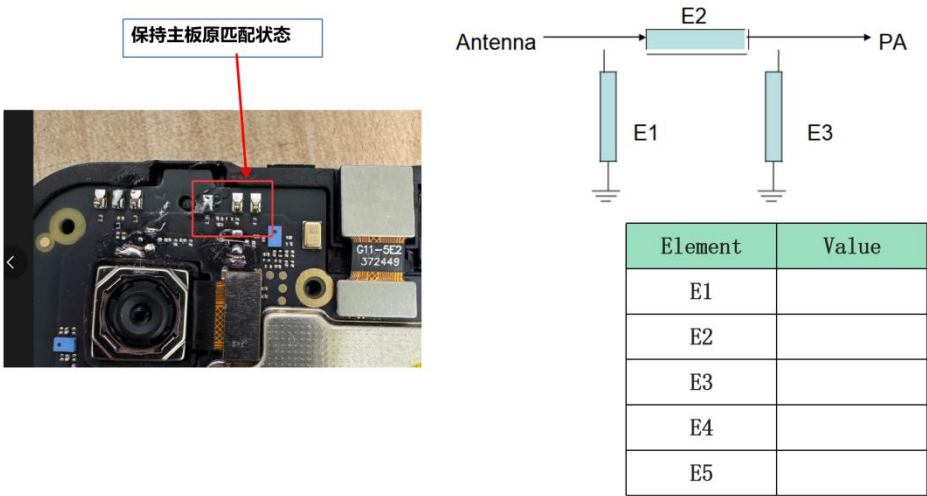
3G:WCDMA-B2/4

4G:LTE-B2/4/7/25/40/41/66

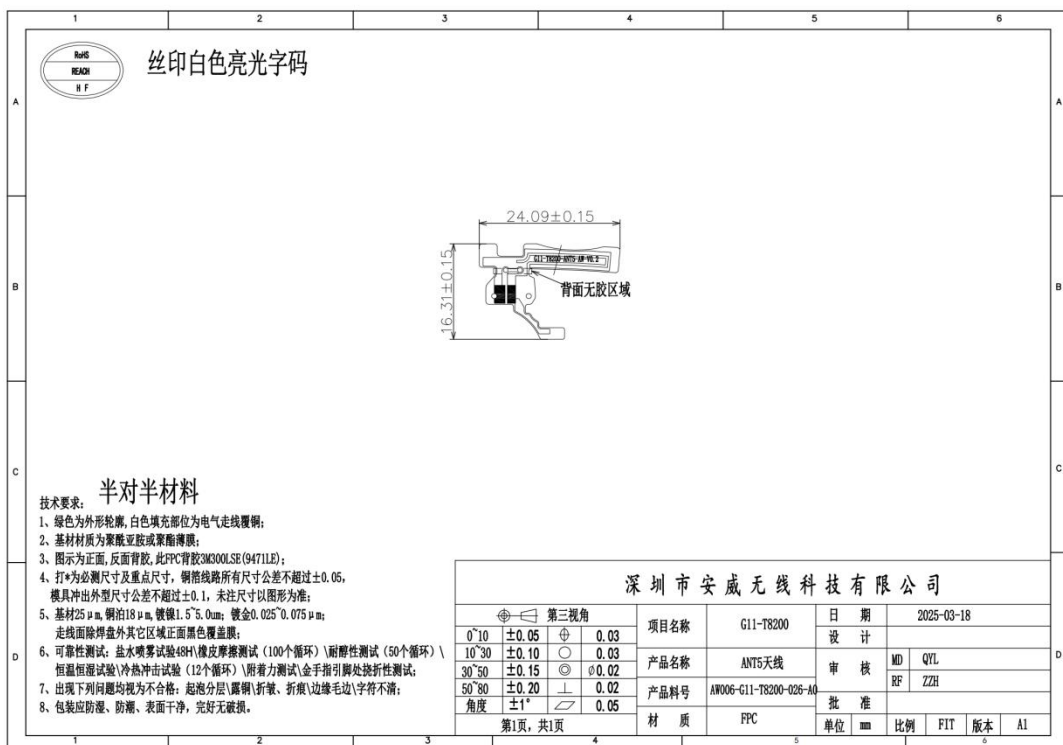
5G:N2/7/25/66/41/77/78

(Matcheing network):

ANT4匹配电路



ANT5 (GPS L1 antenna) + (2.4G/5G WIFI/BT antenna)



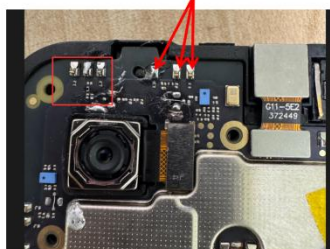
(Working frequency band of GPS antenna) : 1575.42MHZ

(Working frequency band of 5GWIFI antenna) : 2400~2500,5150MHZ~5850MHZ

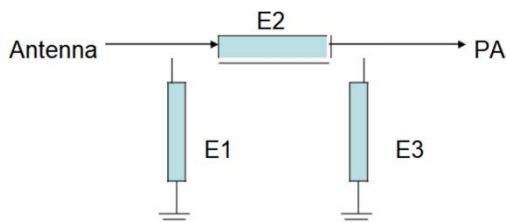
(Matcheing network):

ANT5天线匹配电路

三合一要用3个弹脚, 不能取消!!!

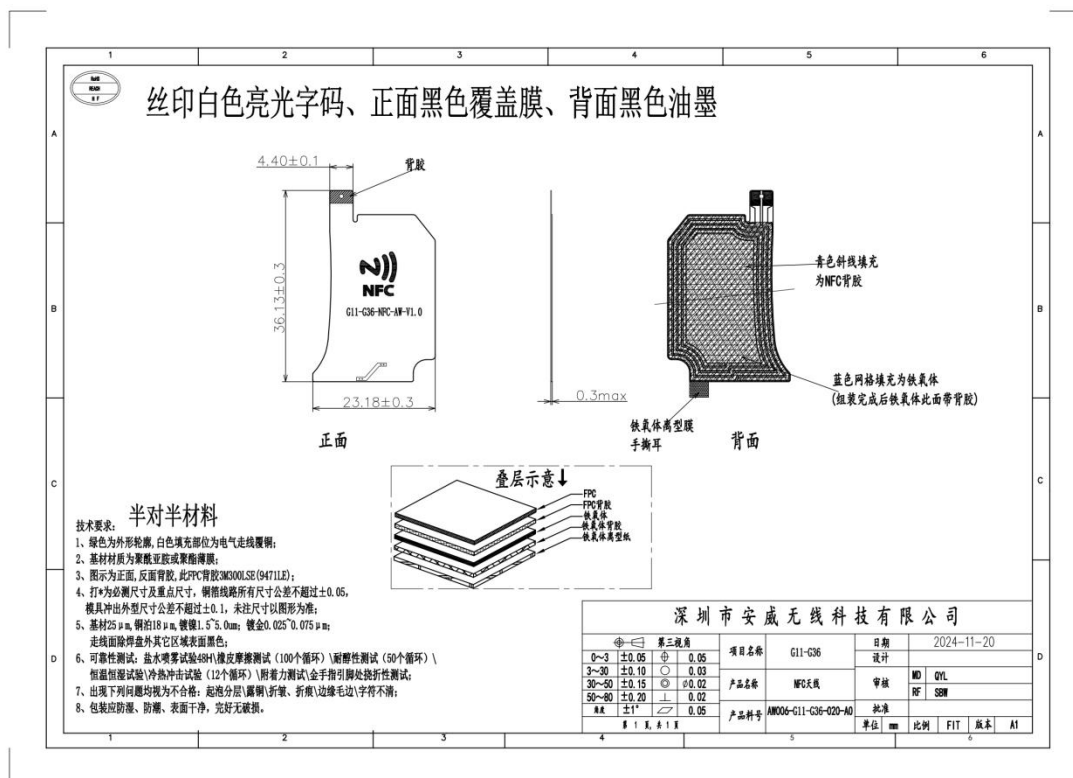


原状态匹配



Element	Value
E1	NC
E2	0 Ω
E3	NC
E4	原匹配

(NFC antenna)



ANWEI ANT TRP&TIS parameter Summary of S67L

BAND	Channel	TRP (dBm)	TIS (dBm)
5G N2 (10M)	L	18.66	
	M	18.64	
	H	18.36	-90.27
5G N5 (10M)	L	16.22	
	M	16.35	
	H	16.07	-88.01
5G N7 (10M)	L	15.20	
	M	15.31	
	H	15.08	-88.90
5G N25 (10M)	L	17.65	
	M	17.80	
	H	18.22	-90.53
5G N28 (10M)	L	16.34	
	M	16.40	
	H	16.01	-88.08
5G N66 (10M)	L	18.28	
	M	17.83	
	H	17.93	-90.55
5G N71 (10M)	L	14.55	
	M	14.67	
	H	15.21	-89.20
5G N77 (100M)	L	19.08	
	M	18.29	
	H	18.88	-84.07
5G N78 (100M)	L	19.55	
	M	18.27	
	H	18.74	-82.81

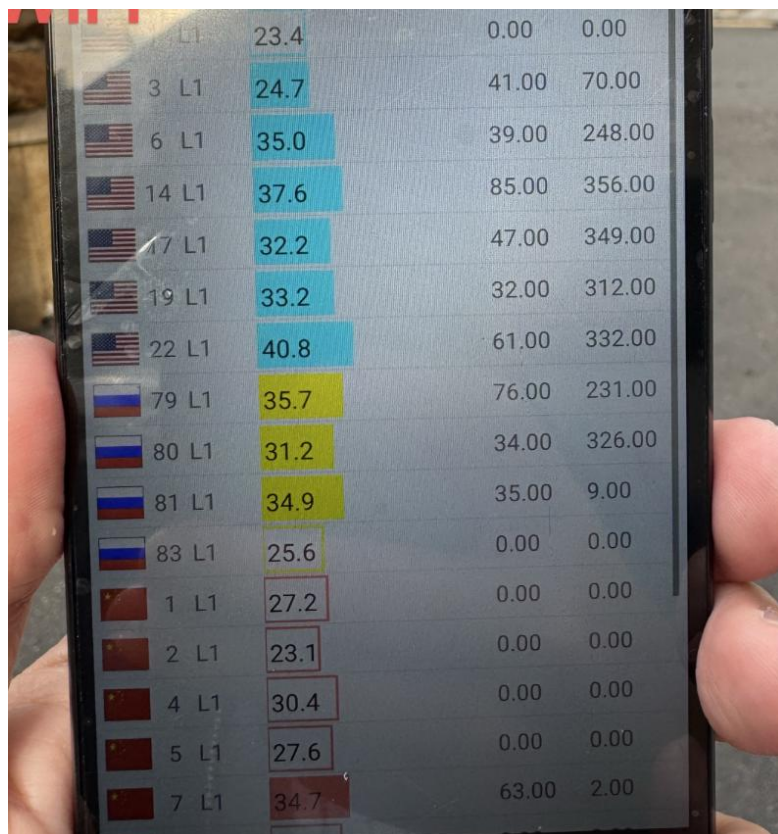
5G N41 (10M)	L	15.50	
	M	15.33	
	H	14.91	-88.39

BAND	Channel	TRP (dBm)	TIS (dBm)
FDD B2	L	18.78	
	M	18.27	
	H	17.74	-89.58
FDD B4	L	19.27	
	M	18.72	
	H	18.48	-90.34
FDD B5	L	16.06	
	M	15.64	
	H	15.05	-87.34
FDD B7	L	15.64	
	M	15.11	
	H	14.70	-88.40
FDD B12	L	15.23	
	M	15.00	
	H	14.33	-87.36
FDD B25	L	15.31	
	M	16.58	
	H	16.57	-93.04
FDD B26	L	15.05	
	M	15.34	
	H	15.60	-88.08
FDD B28A	L	16.21	
	M	16.62	
	H	15.91	-88.82
FDD B28B	L	16.94	
	M	16.44	
	H	15.67	-87.70
FDD B66	L	18.24	
	M	17.90	
	H	17.46	-90.41

FDD B71	L	14.39	
	M	14.87	
	H	15.41	-89.39
TDD B40	L	16.24	
	M	18.15	
	H	18.22	-90.53
TDD B41	L	15.23	
	M	13.64	
	H	13.22	-88.94
WCDMA-B2	L	17.91	
	M	17.97	
	H	17.35	-102.90
WCDMA-B4	L	18.53	
	M	17.57	
	H	18.10	-104.23
WCDMA-B5	L	14.95	
	M	15.83	
	H	15.96	-101.02
WCDMA-B8	L	11.52	
	M	10.15	
	H	10.00	-98.17

	Channel	TRP (dBm)	TIS (dBm)
GSM850	L	25.29	
	M	25.53	
	H	25.19	-95.10
GSM900	L	19.50	
	M	17.83	
	H	16.38	-96.78
DCS1800	L	26.10	
	M	25.34	
	H	25.26	-102.12
PCS1900	L	25.31	
	M	25.06	
	H	24.51	-102.15
2.4G WIFI B 模 11M	L	13.13	-82.27
	M	12.04	-82.43
	H	12.92	-82.50
5 G WIFI A 模 54M	L	7.71	-70.06
	M	7.50	-70.86
	H	6.07	-69.05

(GPS Test)



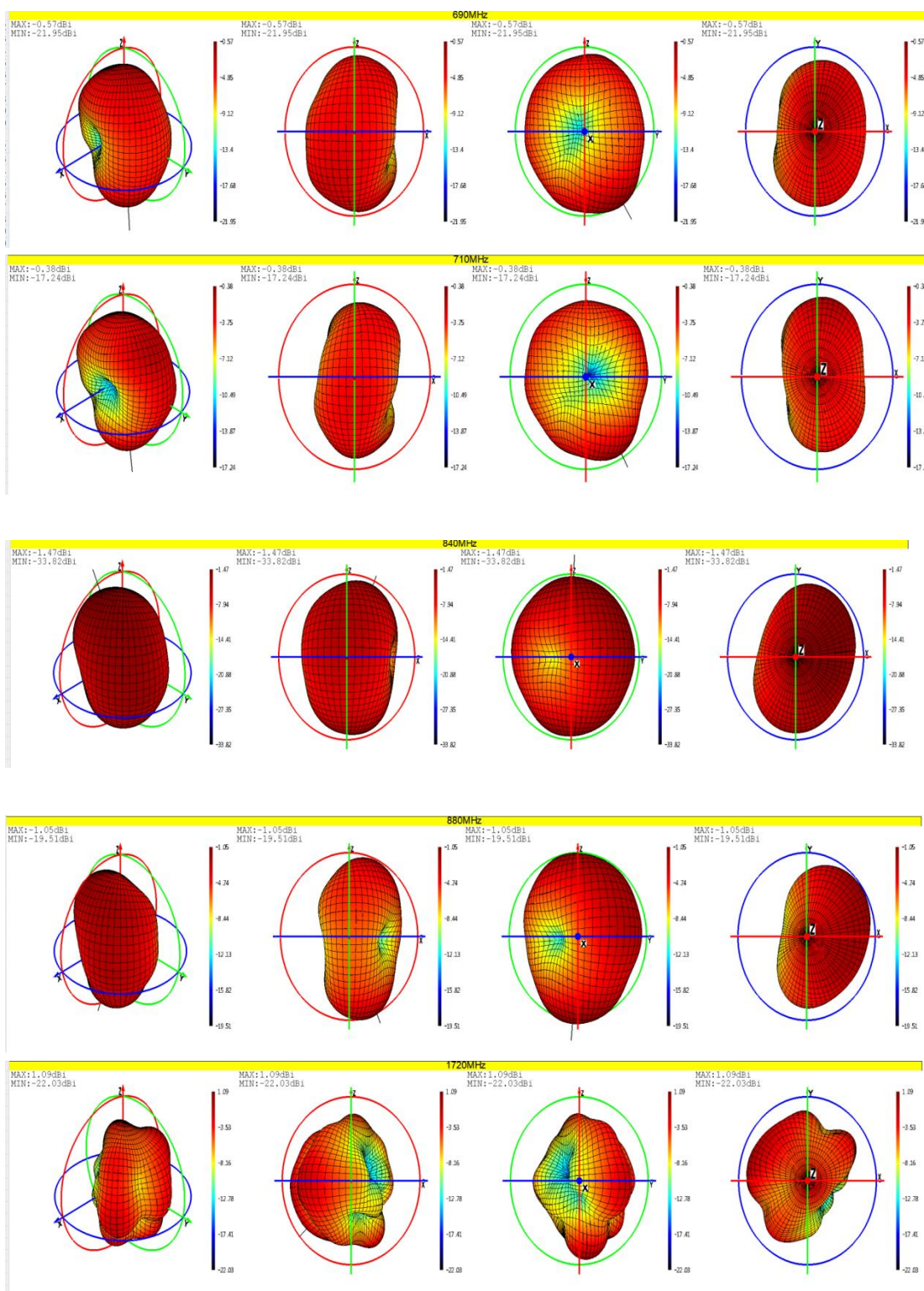
Country	PRN	Elevation (°)	SNR (dB)	Azimuth (°)
US	1	23.4	0.00	0.00
US	3	24.7	41.00	70.00
US	6	35.0	39.00	248.00
US	14	37.6	85.00	356.00
US	17	32.2	47.00	349.00
US	19	33.2	32.00	312.00
US	22	40.8	61.00	332.00
Russia	79	35.7	76.00	231.00
Russia	80	31.2	34.00	326.00
Russia	81	34.9	35.00	9.00
Russia	83	25.6	0.00	0.00
China	1	27.2	0.00	0.00
China	2	23.1	0.00	0.00
China	4	30.4	0.00	0.00
China	5	27.6	0.00	0.00
China	7	34.7	63.00	2.00

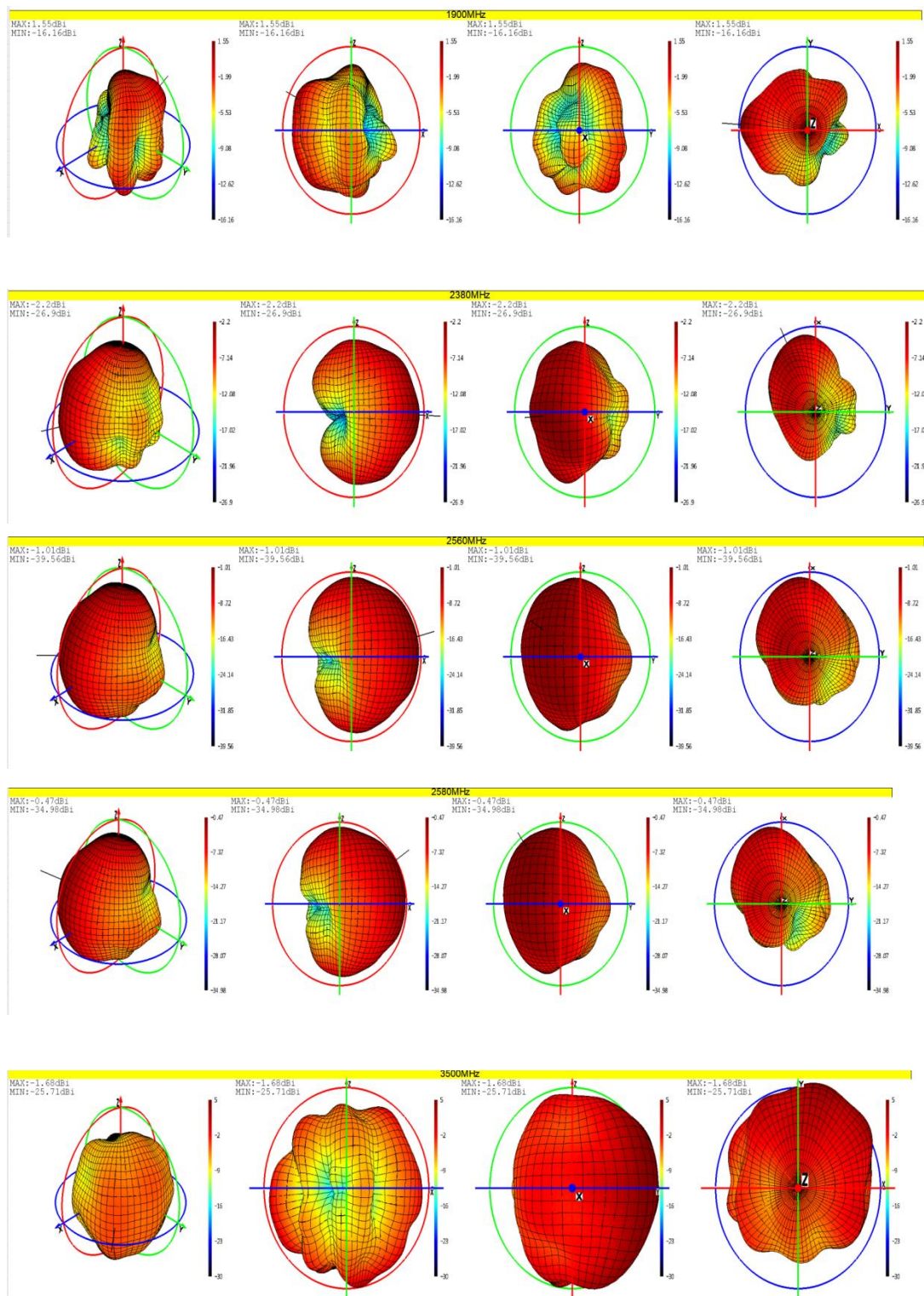
(Efficiency of GPS antenna): 33.38%

天线增益(Antenna gain)

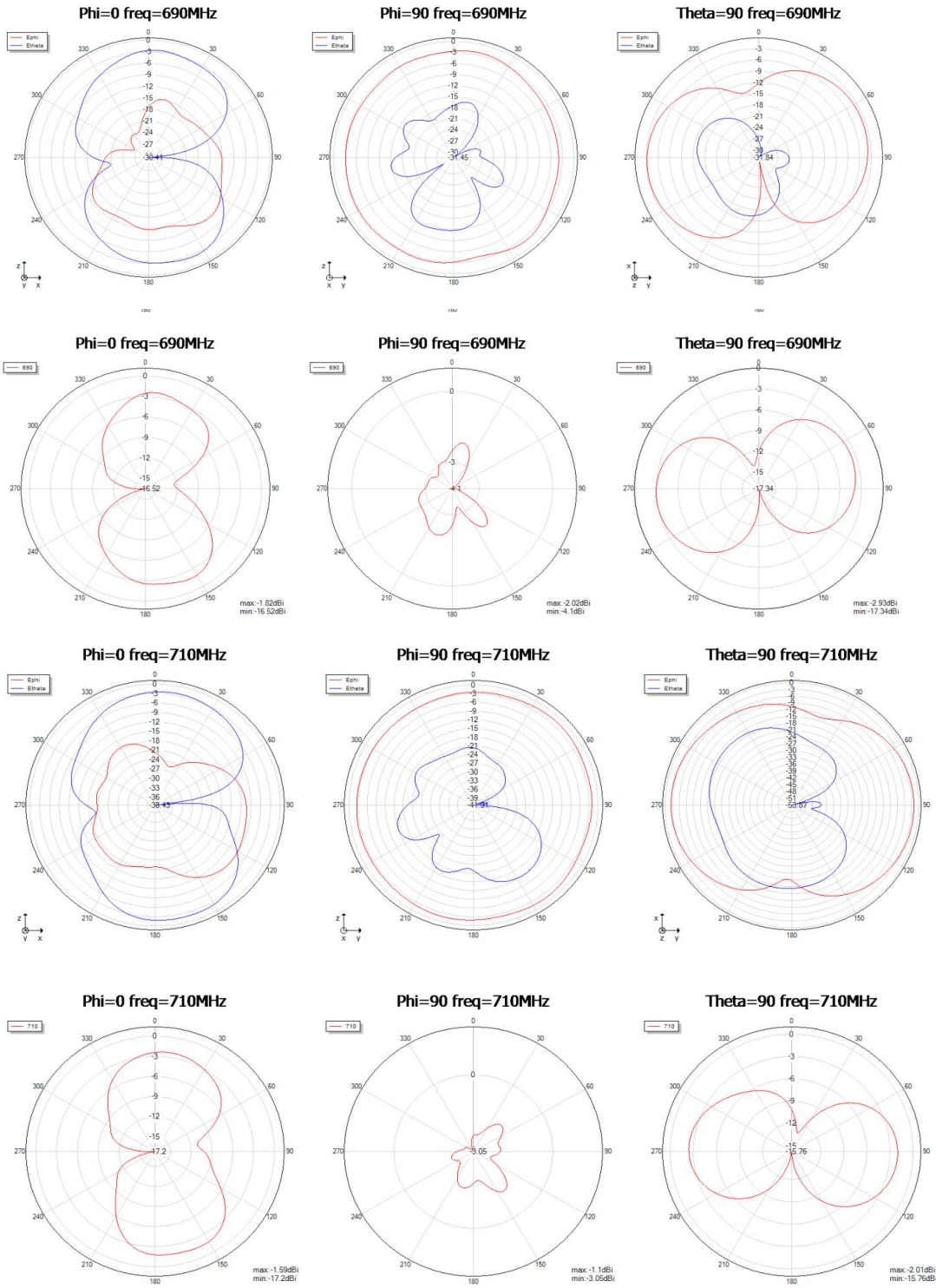
Standard	Band	Frequency	Gain(dbi)
5G NR	N2	1900	1.55
5G NR	N5	840	-1.47
5G NR	N7	2560	-1.01
5G NR	N25	1900	1.55
5G NR	N28	710	-0.38
5G NR	N41	2580	-0.47
5G NR	N66	1720	1.09
5G NR	N71	690	-0.57
5G NR	N77	3500	-1.68

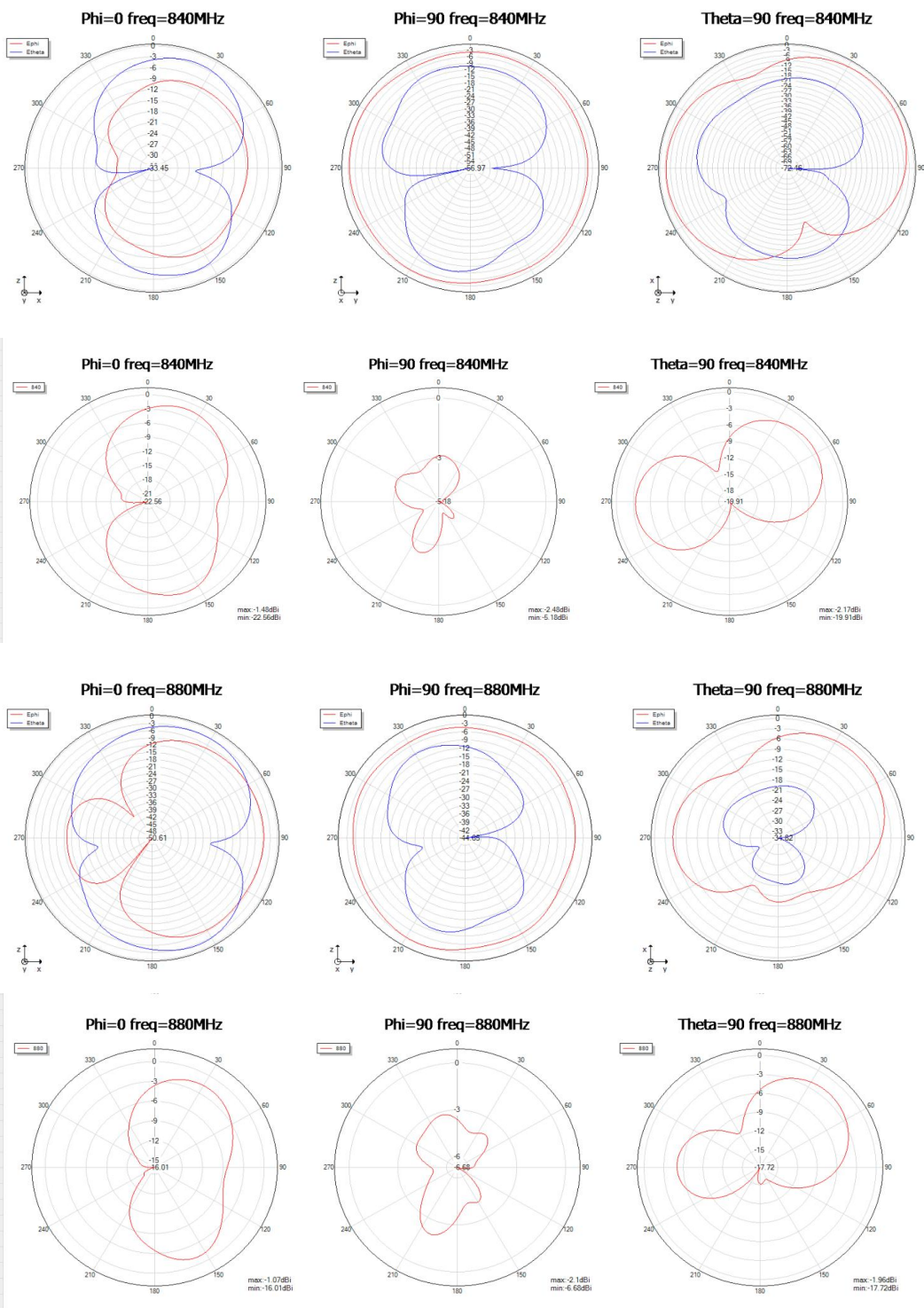
5G NR	N78	3500	-1.68
FDD_LTE	FDD_B2	1900	1.55
FDD_LTE	FDD_B4	1720	1.09
FDD_LTE	FDD_B5	840	-1.47
FDD_LTE	FDD_B7	2560	-1.01
FDD_LTE	FDD_B12	710	-0.38
FDD_LTE	FDD_B25	1900	1.55
FDD_LTE	FDD_B26	840	-1.47
FDD_LTE	FDD_B28	710	-0.38
TDD_LTE	TDD_B40	2380	-2.20
TDD_LTE	TDD_B41	2580	-0.47
FDD_LTE	FDD_B66	1720	1.09
FDD_LTE	FDD_B71	690	-0.57
WCDMA	WCDMA_B2	1900	1.55
WCDMA	WCDMA_B4	1720	1.09
WCDMA	WCDMA_B5	840	-1.47
WCDMA	WCDMA_B8	880	-1.05
GSM	GSM850	840	-1.47
GSM	GSM900	880	-1.05
GSM	DCS1800	1720	1.09
GSM	PCS1900	1900	1.55
2.4G WIFI		2450	1.35
5G WIFI		5100	1.80
5G WIFI		5300	2.42
5G WIFI		5500	1.34
5G WIFI		5800	-1.45
GPS	L1	1575	1.76
BT		2450	1.35
NFC		13.56	0.5
FM		108	0.8

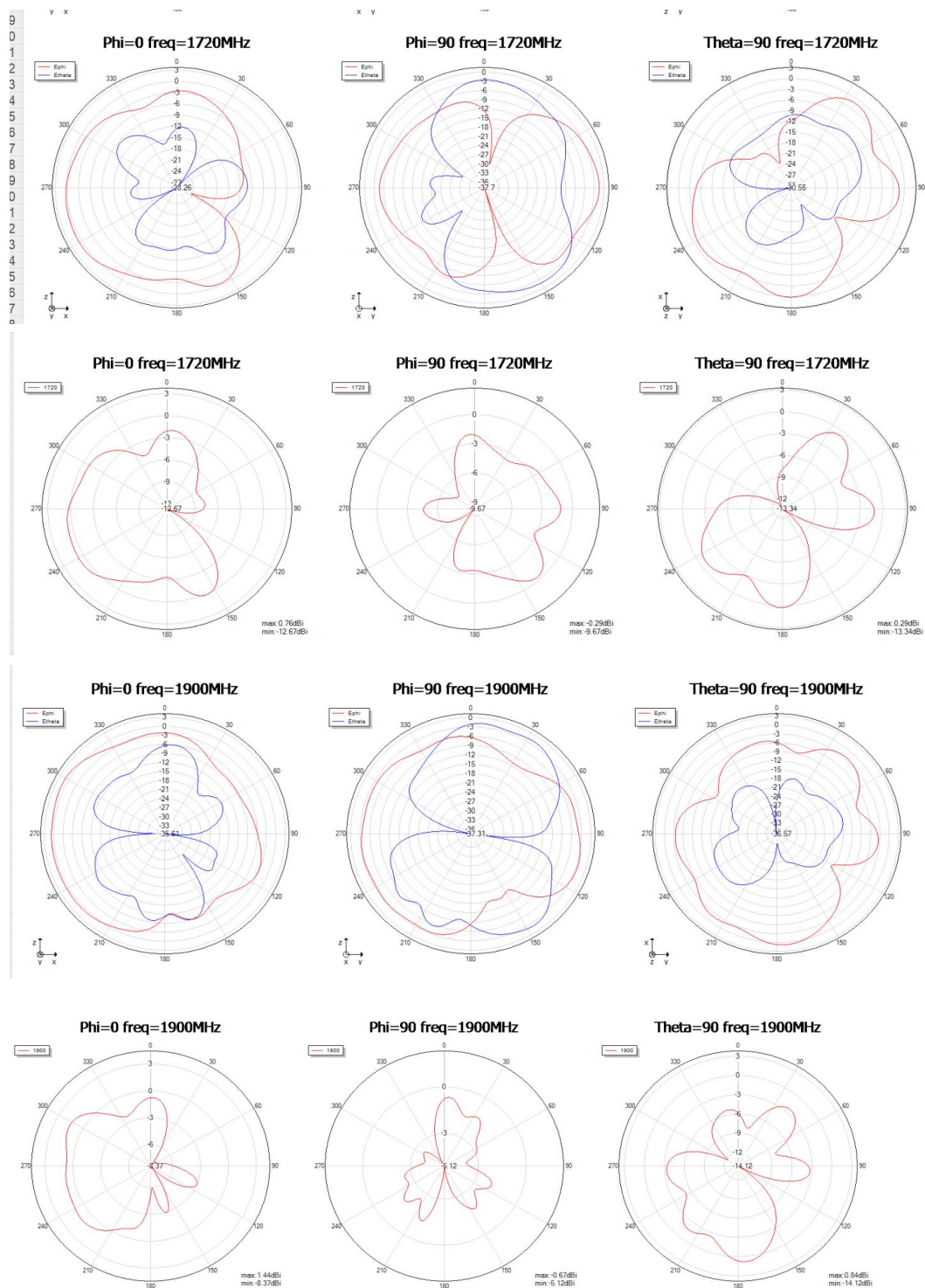


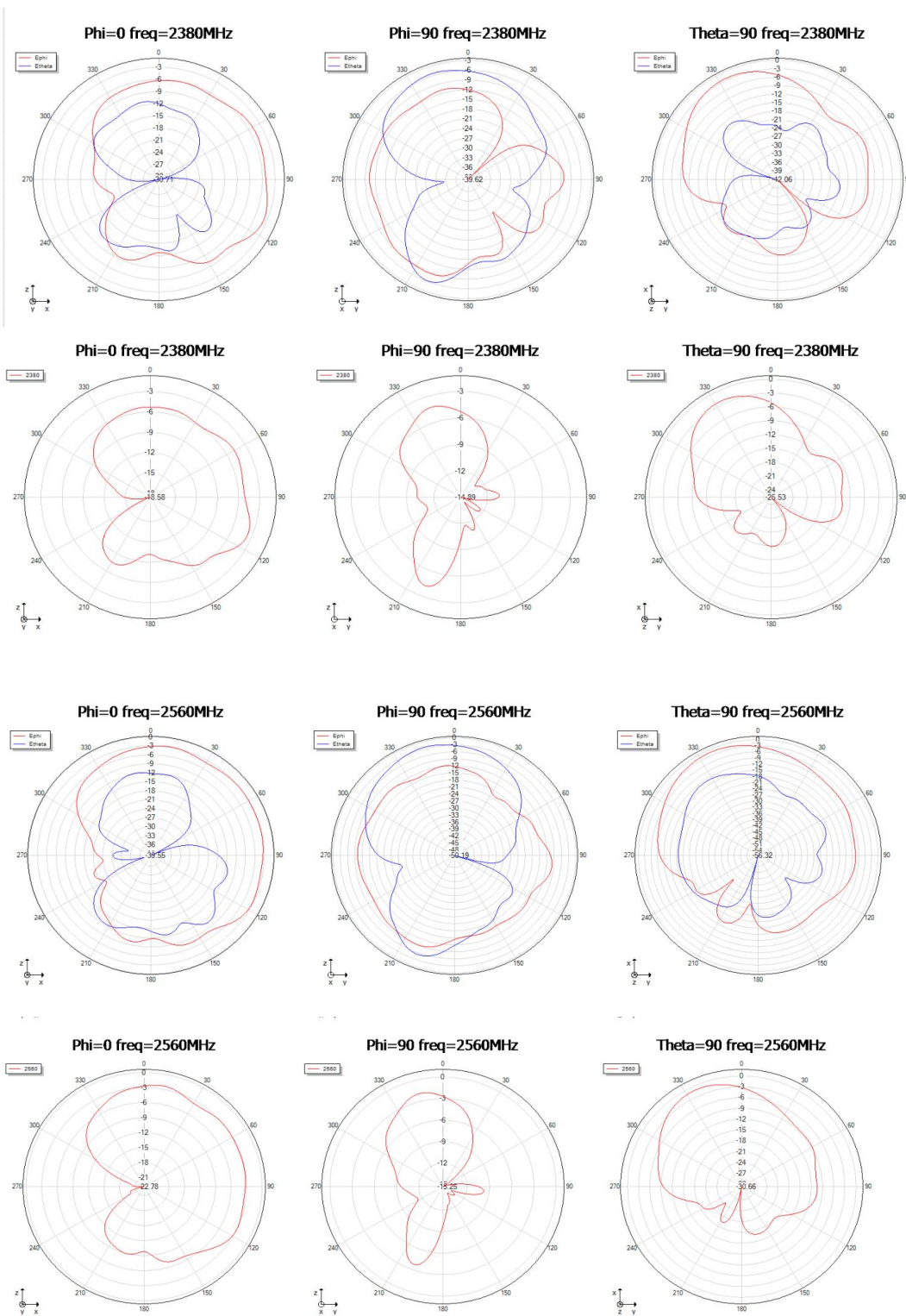


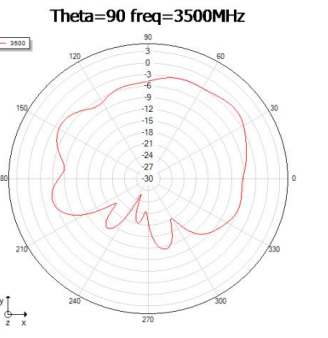
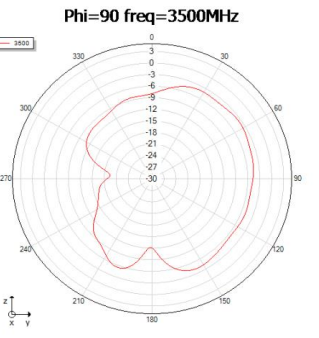
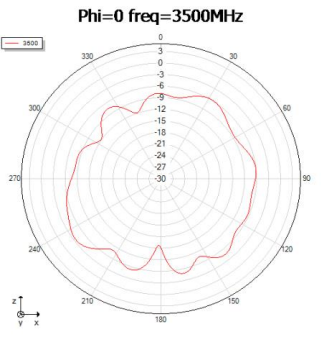
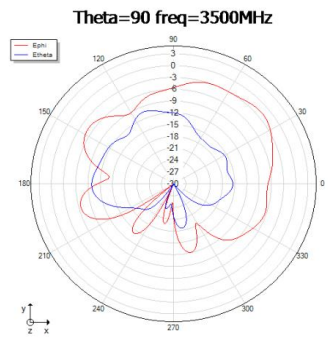
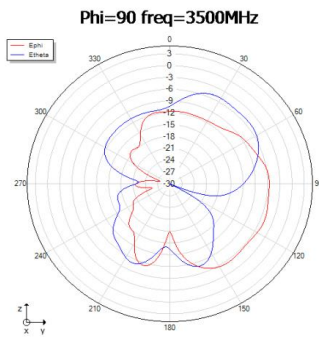
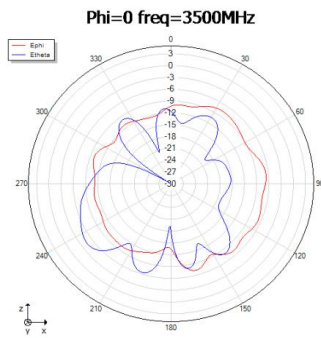
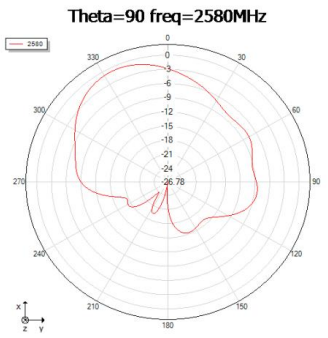
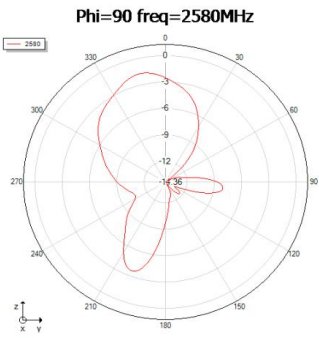
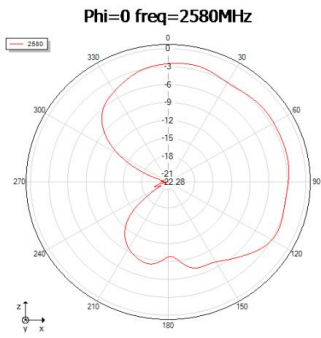
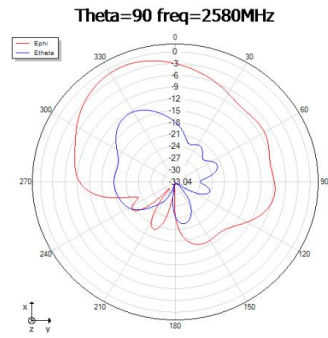
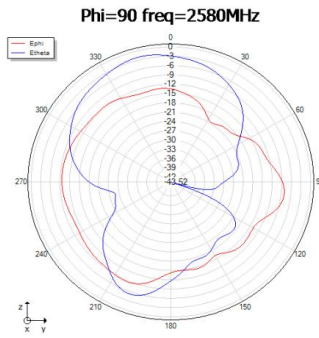
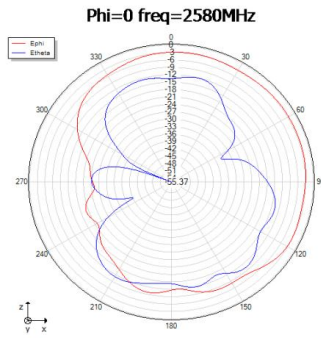
(MIMO antenna) PolarGraphs/EtotalGraphs





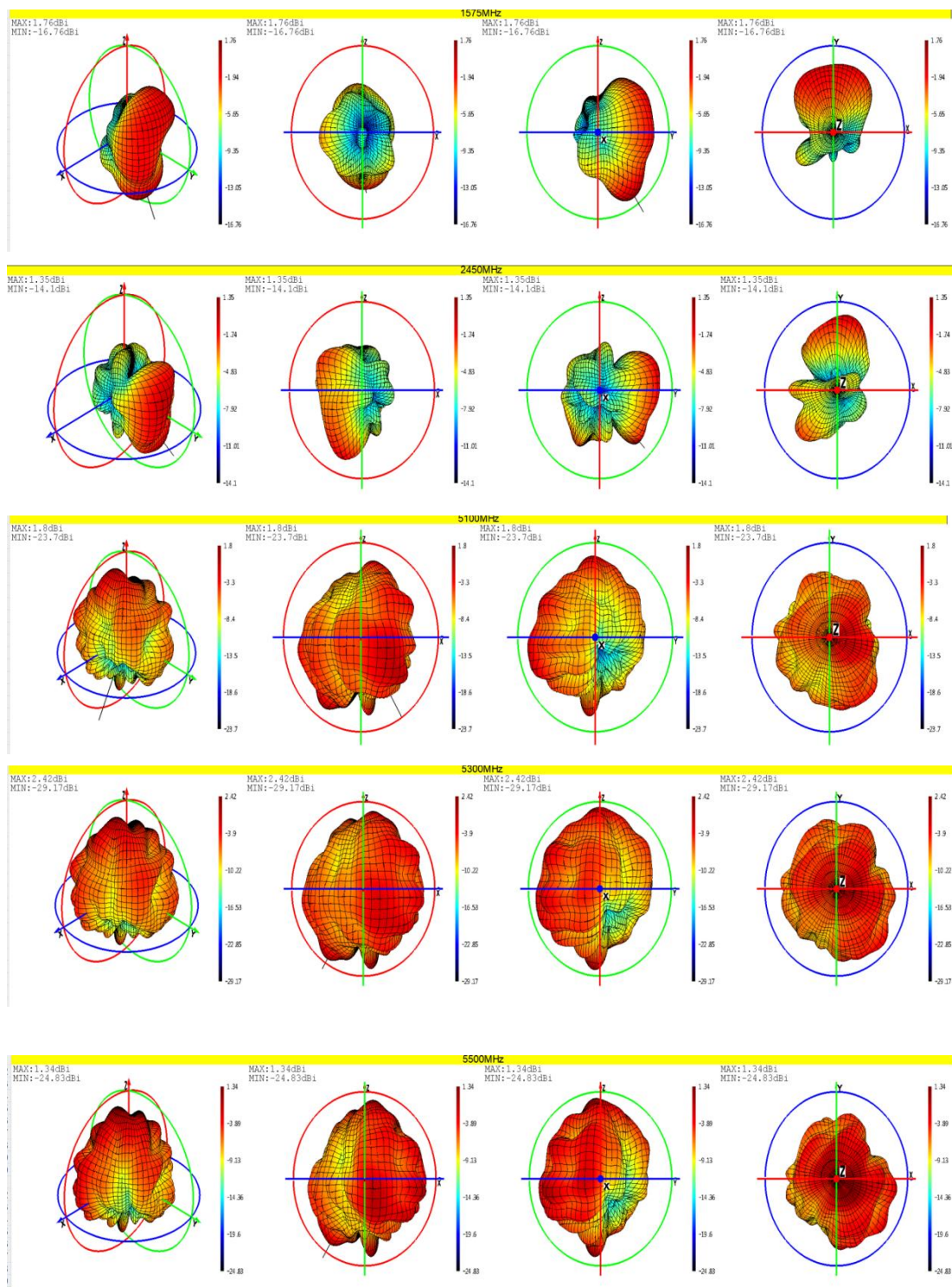


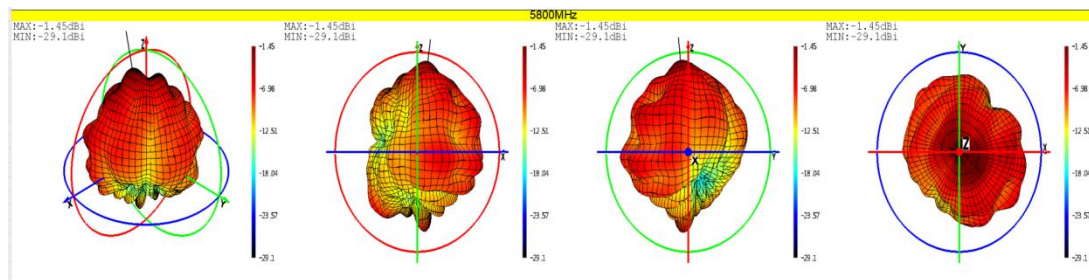




(GPS antenna) + (2.4G/5G WIFI/BT antenna) apple

Map





(GPS antenna) + (2.4G/5G WIFI/BT antenna)

PolarGraphs/EtotalGraphs

