

PART 2

项目信息/Project brief

NO	ITEMS	DETAILS
1	工作频段 Operating band	WIFI:2.4G/5G BT
2	频率范围 Frequency band	WIFI:2400-2500Mhz;5180-5850Mhz BT:2400-2500Mhz
3	天线类型 Antenna type	WIFI:PIFA BT:PIFA
4	天线材质及实现形状 Material and implementation shape	金属壳子

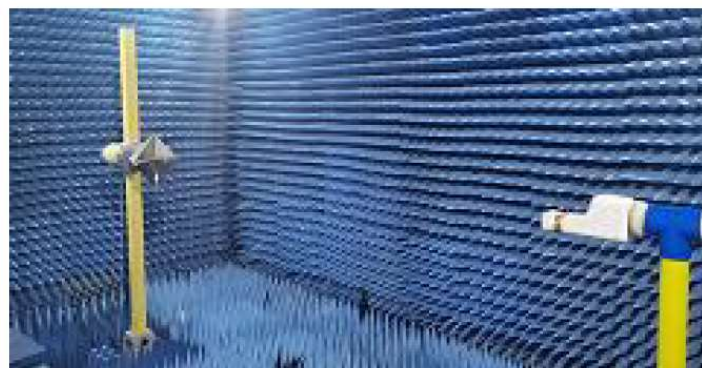
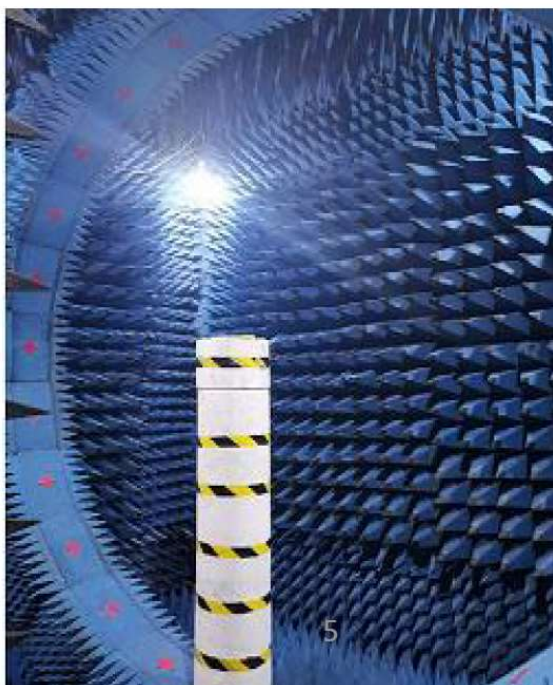
Applicant: SYNLAN TECHNOLOGY PTE. LTD.

Address: 7 TEMASEK BOULEVARD #29-01D SUNTEC TOWER ONE SINGAPORE (038987)

PART 3

Test system and equipment

	测试项目/Test items	设备/equipment
1: S参数 S parameter	1.驻波比 2.回波损耗	网络分析仪/Network analyzer: A338/A333
2: 耦合功率测试 Active test	1.发射功率 Transmitting power 2.接收灵敏度Receiving sensitivity	综合测试仪/Comprehensive test instrument: Agilent 8960/ CMW500
3: 辐射模式与增益 Radiation mode and gain	1.效率, 增益 2.辐射模式	1. 暗室/Shielding room: 7x4x3 m (ETS-3D) 2. 网络分析仪/Network analyzer: HP 8753D



PART 5

测试数据/RFReport

WIFI 11b	1	13.84	
	7	14.52	
	13	14.63	-84.11

WIFI 11g	1	13.12	
	7	12.56	
	13	12.43	-71.55

WIFI 11n	1	12.13	
	7	11.69	
	13	11.25	-70.48

WIFI 11a	36	12.69	
	149	11.53	
	161	10.74	-69.61

PART 5

测试数据/RFReport

2.4G WIFI+BT

Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	-0.36	34.00
2410	-0.41	34.38
2420	-0.33	34.86
2430	-0.39	34.53
2440	-0.49	33.51
2450	-0.69	32.51
2460	-0.79	31.23
2470	-0.87	29.73
2480	-0.83	29.29
2490	-0.81	28.32
2500	-0.94	26.70

5G WIFI

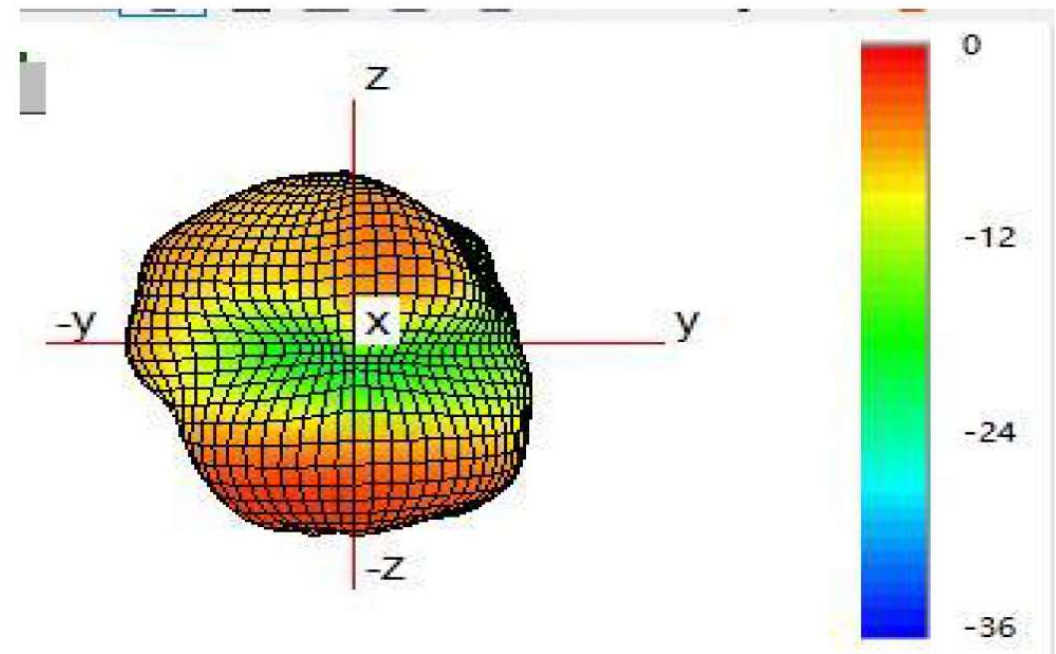
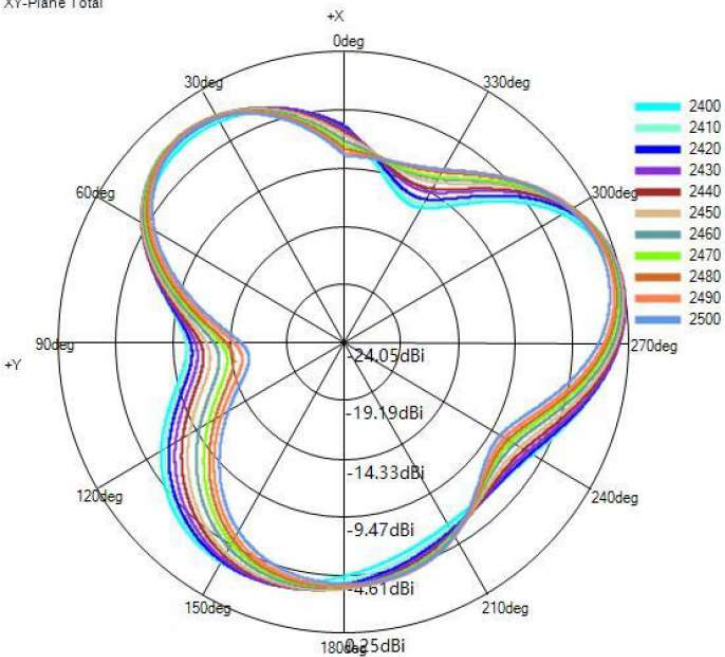
Freq (MHz)	Gain (dBi)	Efficiency (%)
5000	0.08	34.26
5100	0.49	35.32
5200	0.61	34.28
5300	0.26	31.24
5400	0.73	33.97
5500	0.38	31.48
5600	0.72	34.82
5700	-0.42	31.59
5800	-0.50	29.44
5900	-0.94	25.91
6000	-1.25	24.47

PART 5

测试数据/RFReport

WIFI+BT

XY-Plane Total

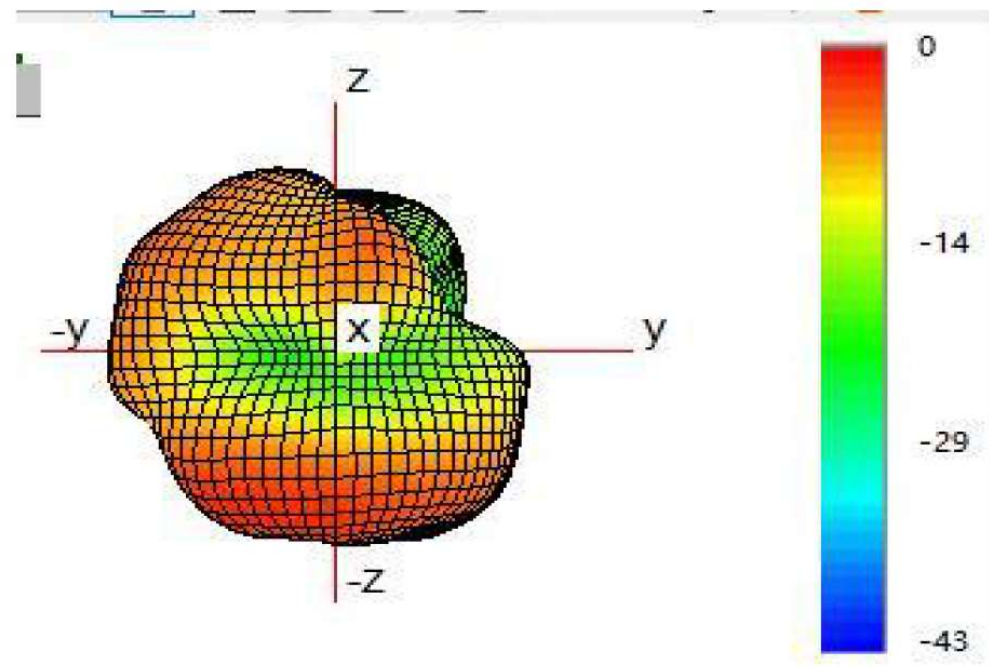
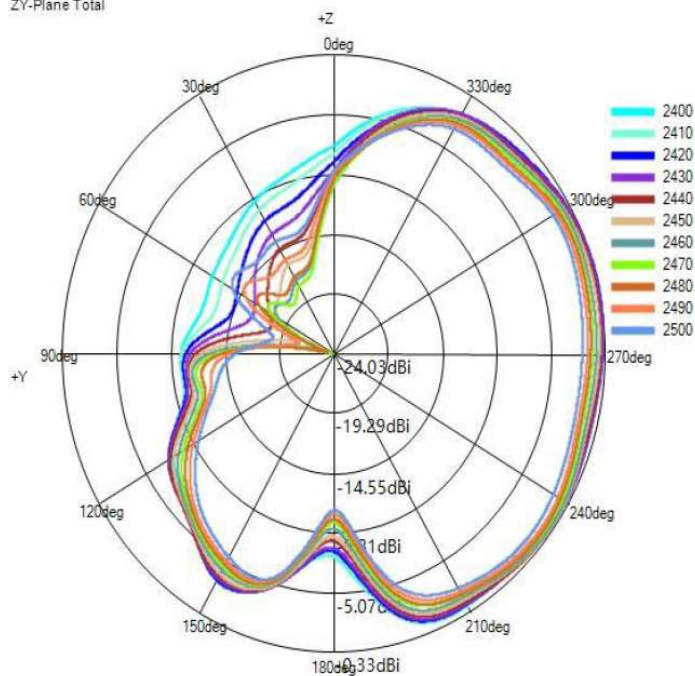


PART 5

测试数据/RFReport

WIFI+BT

ZY-Plane Total

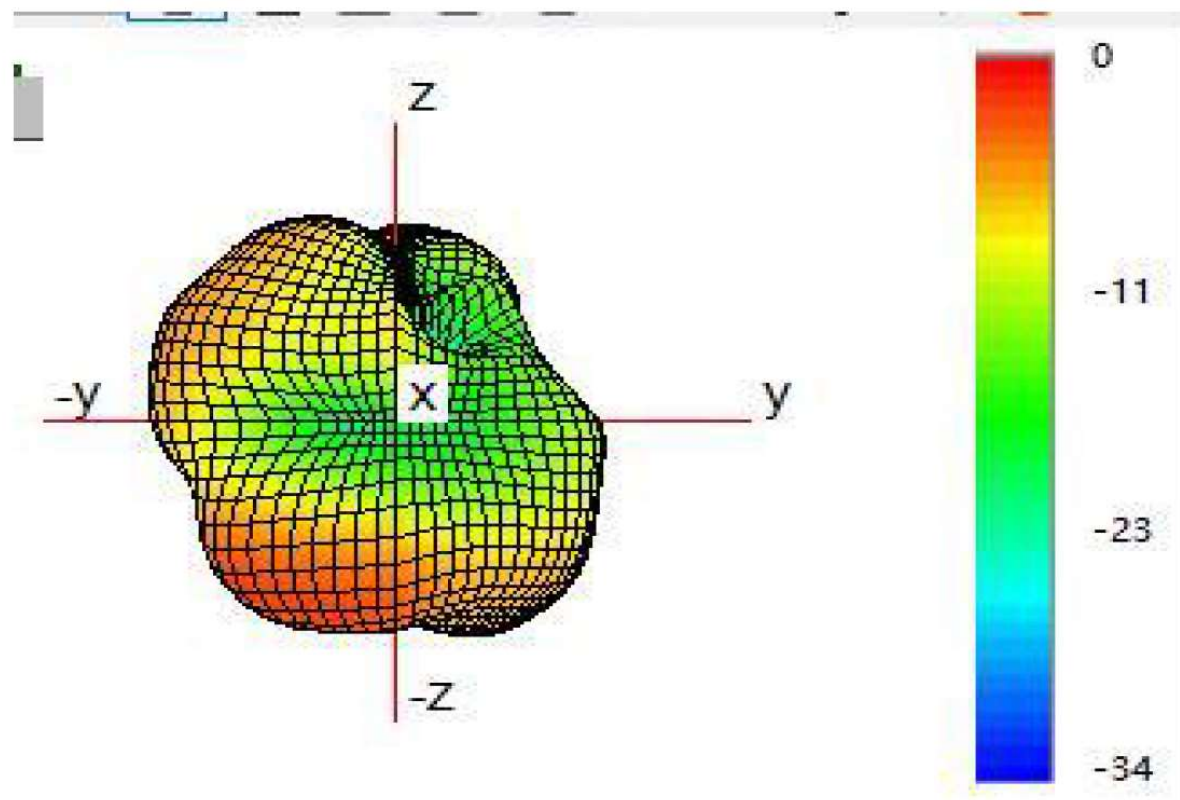
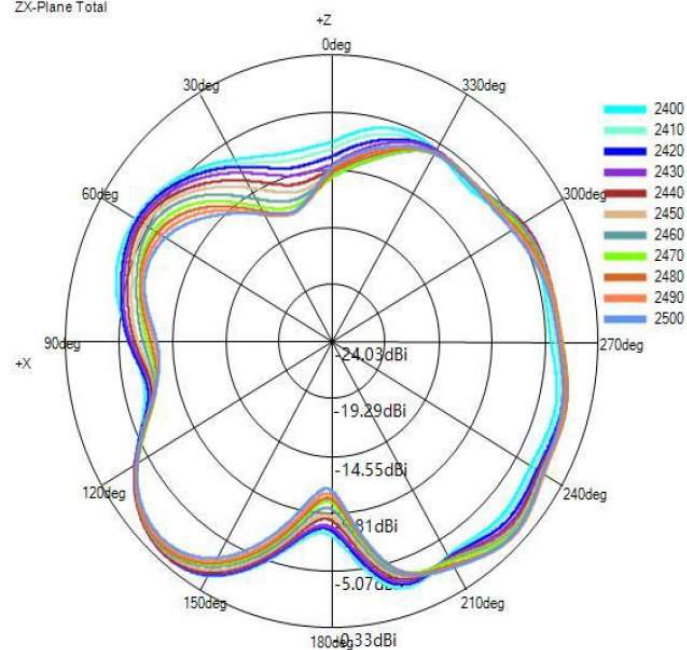


PART 5

测试数据/RFReport

WIFI+BT

ZX-Plane Total

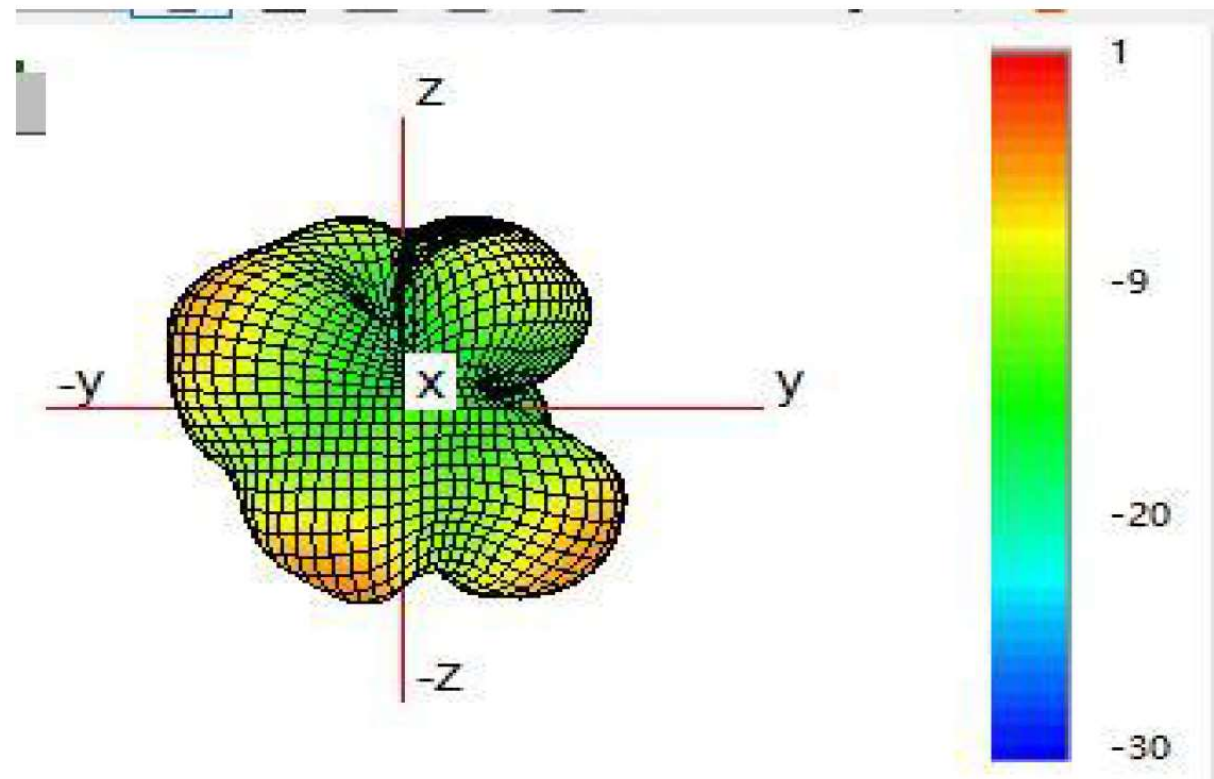
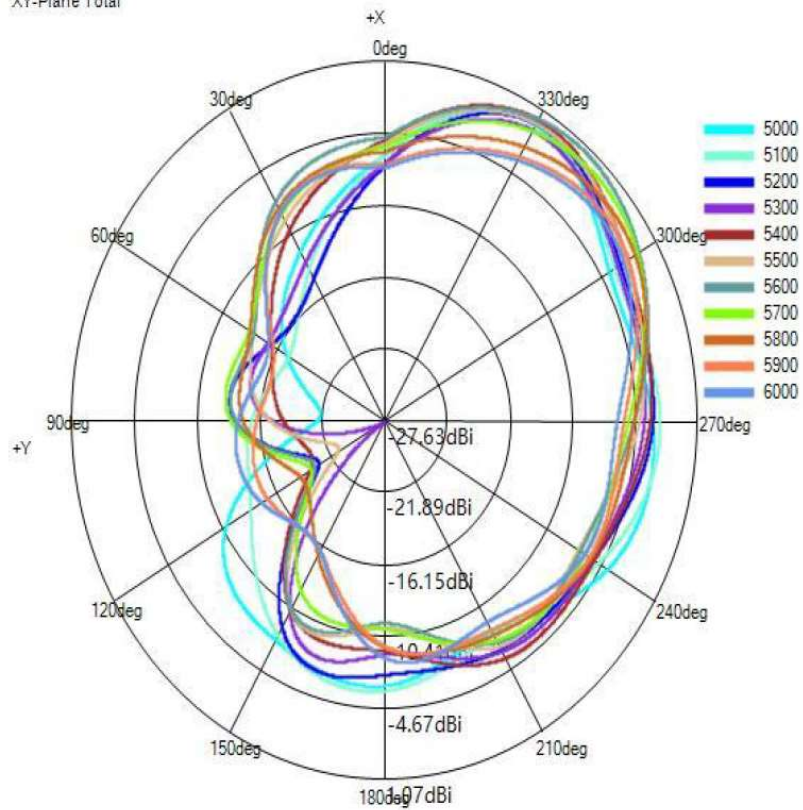


PART 5

测试数据/RFReport

WIFI

XY-Plane Total

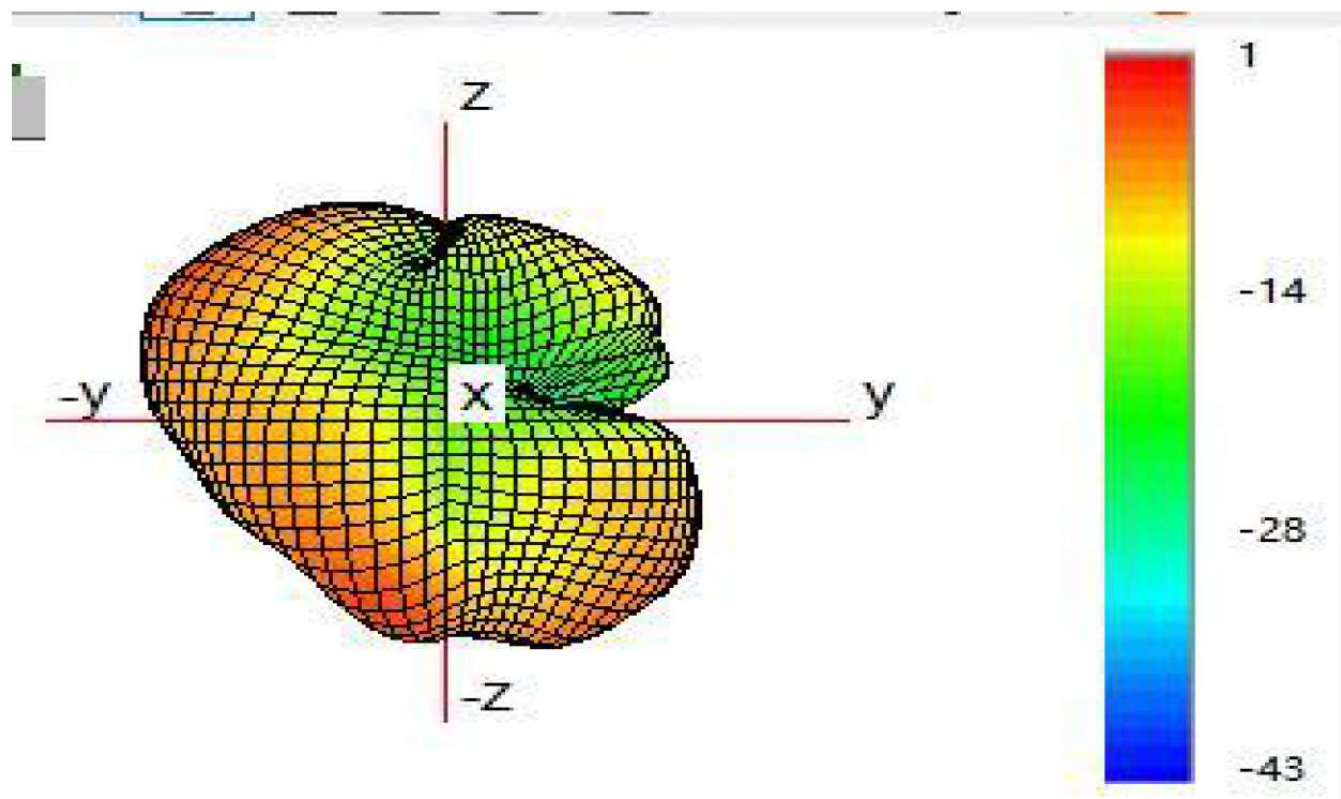
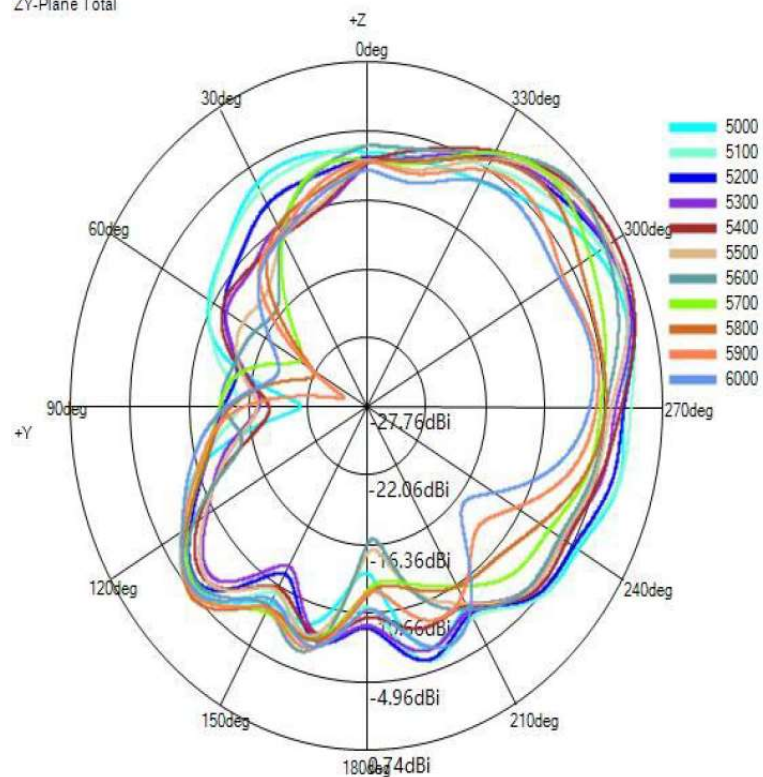


PART 5

测试数据/RFReport

WIFI

ZY-Plane Total

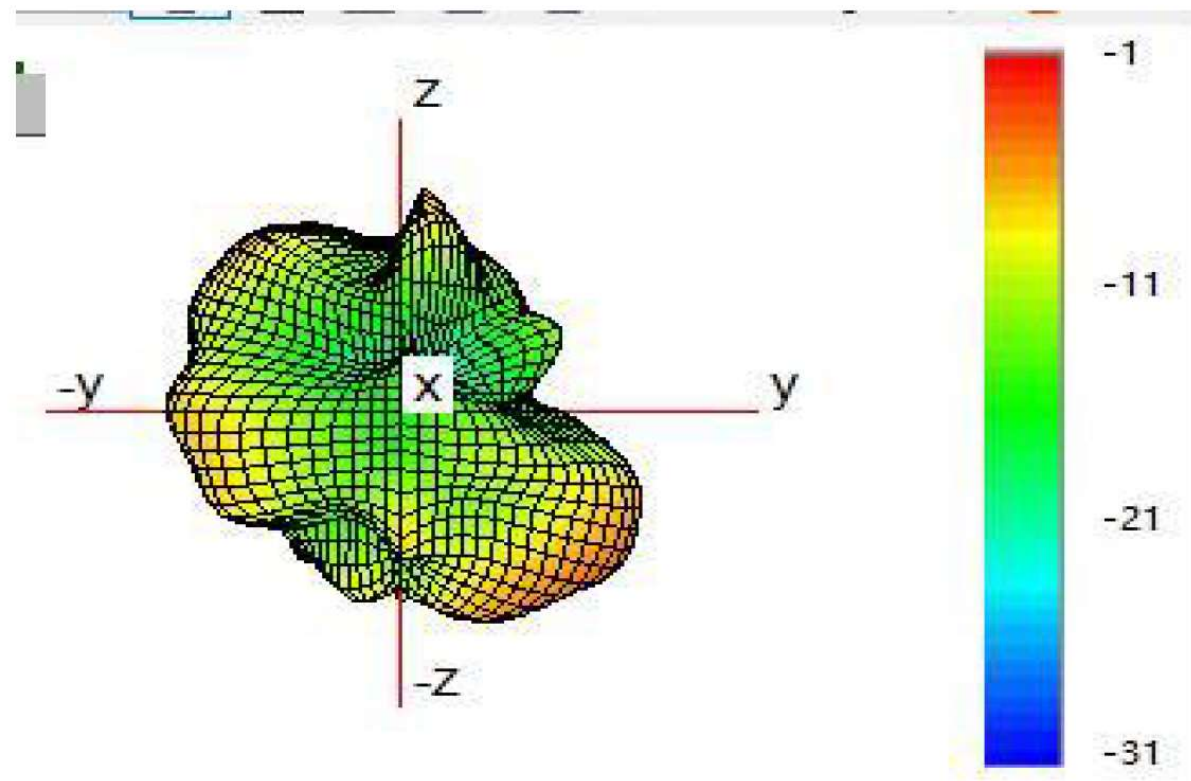
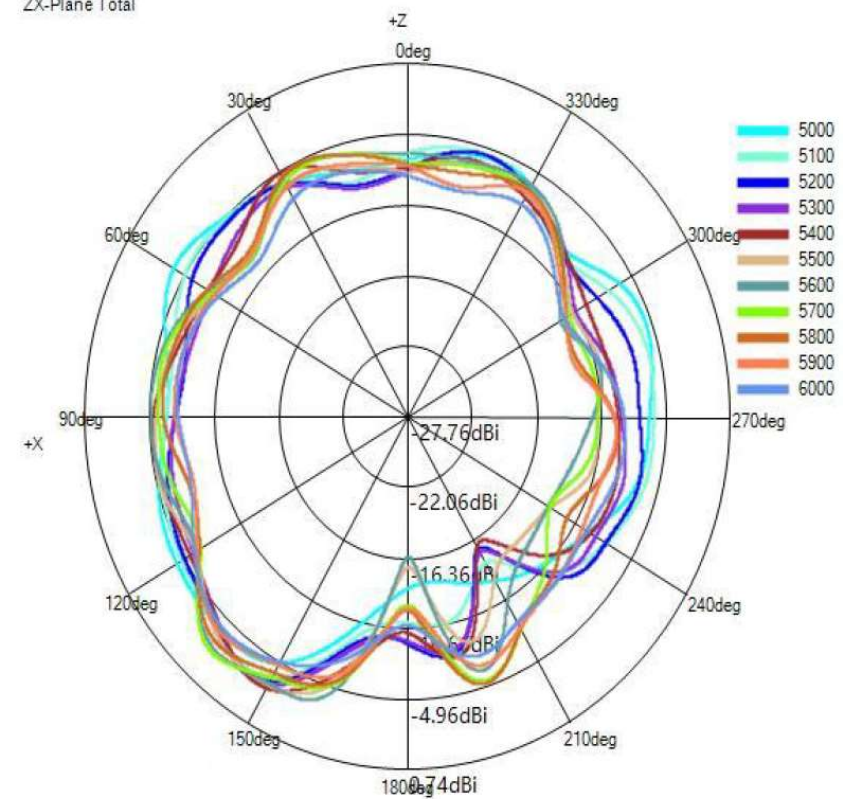


PART 5

测试数据/RFReport

WIFI

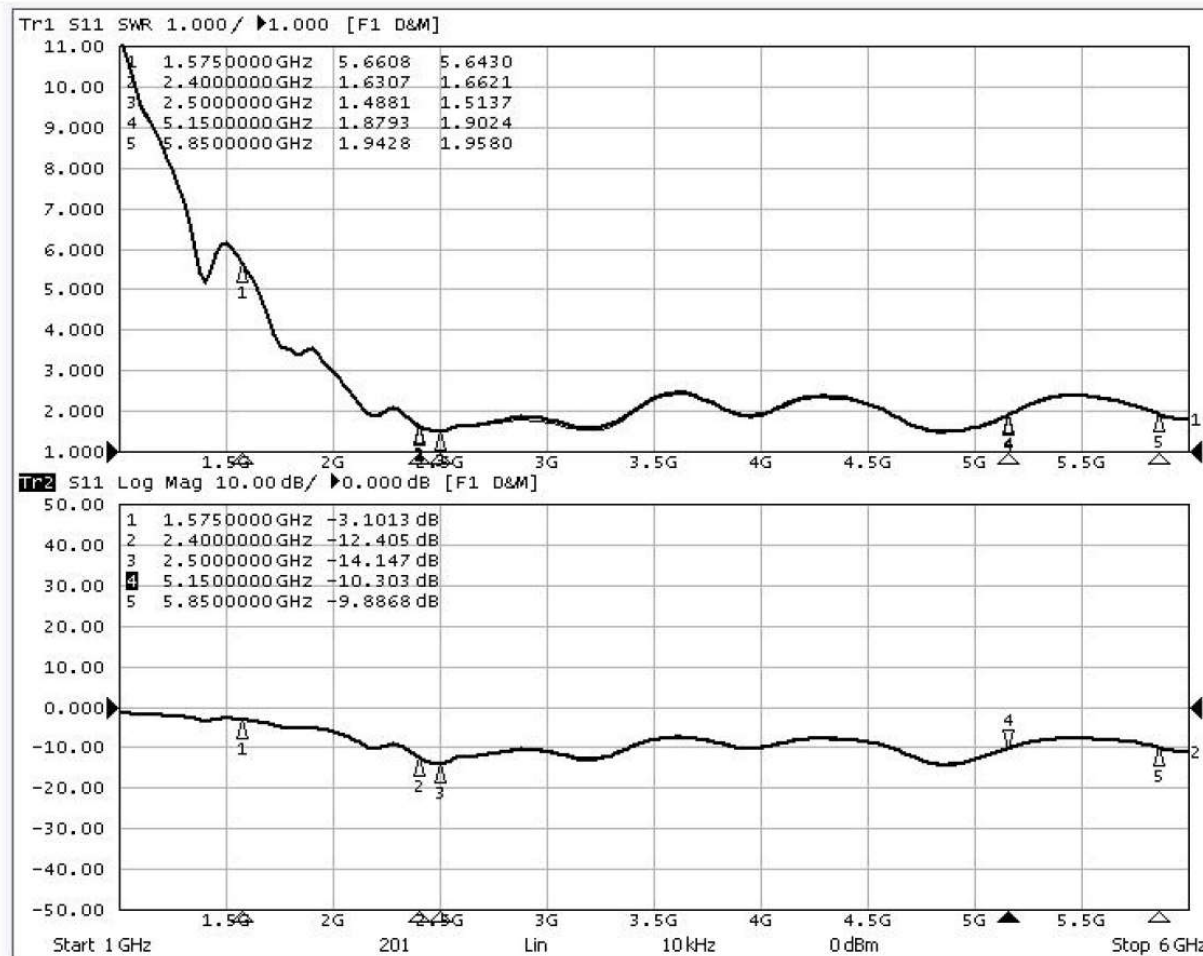
ZX-Plane Total



PART 5

测试数据/RFReport

WIFI+BT



PART 7

测试整机

