

承认书

客户名称: _____

产品名称: LTE+5G+GPS+(860-930)MHZ 5DB SMA 刀型黑色天线公头母针

客户料号: _____

厂商料号: SFANT12A1306

送样数量: 5PCS

制作	审核	核准	送样日期
Biao	Lisen	Amy	2023.03.16

客户承认:

承认	审核	核准	承认日期

承认情况: ☒新产品 ☐产品变更

承认项目: ☐承认书一式三份 ☐样品 5PCS

承认结论: ☐接收 ☐拒绝

公司地址: 深圳市宝安区福永凤凰第四工业区岭下路 96 号 D 栋 3 楼

电话: 0755-33881455

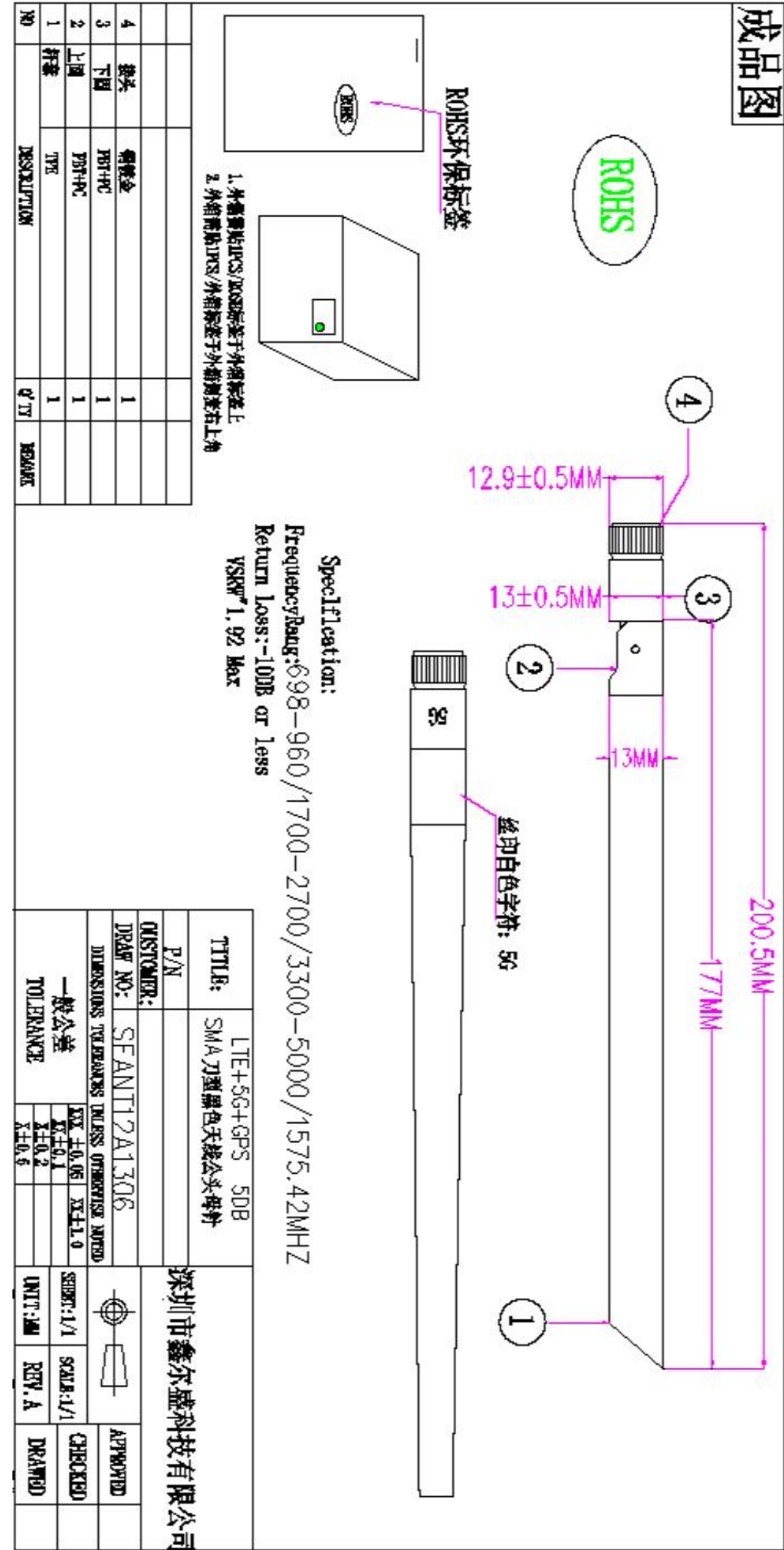
传真: 0755-33233276

Email: fanglizhi@xinershengant.com

产品主要技术参数

主要技术参数		Main technical specifications	
频率范围（MHZ）	698-960/1700-2700/3300-5000/5150-5925/1575.42MHZ	Frequency Range(MHZ)	698-960/1700-2700/3300-5000/5150-5925/1575.42MHZ
中心频率 特性阻抗（Ω）	50±10	Impedance(Ω)	50±10
最大功率	1W	Admitted Power	1W
极化方式	垂直极化	Polarization	Linear Vertical
连接方式	SMA	Connector Type	SMA
物理特性		Physical Properties	
天线本体材料	TPE	Antenna Base	TPE
工作温度	-20℃-+60℃	Operating Temp	-20℃-+60℃
保存温度	-20℃-+70℃	Storage Temp	-20℃-+70℃

产品图纸

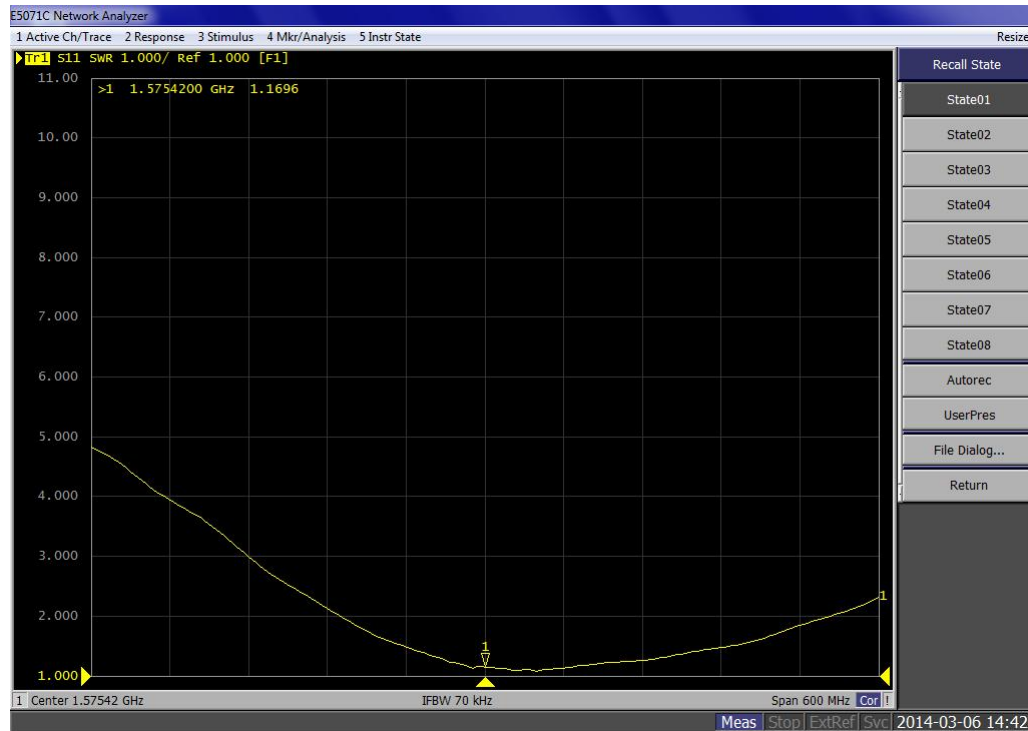


测试报告：

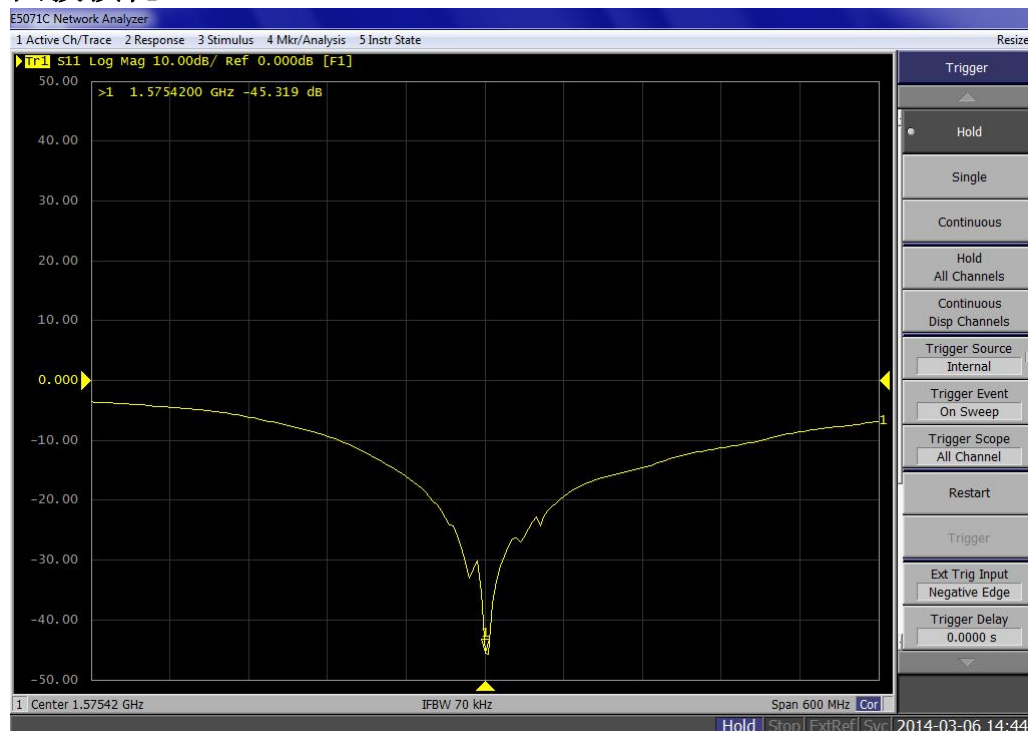
网络分析仪测试报告：

1575.42MHZ

驻波比

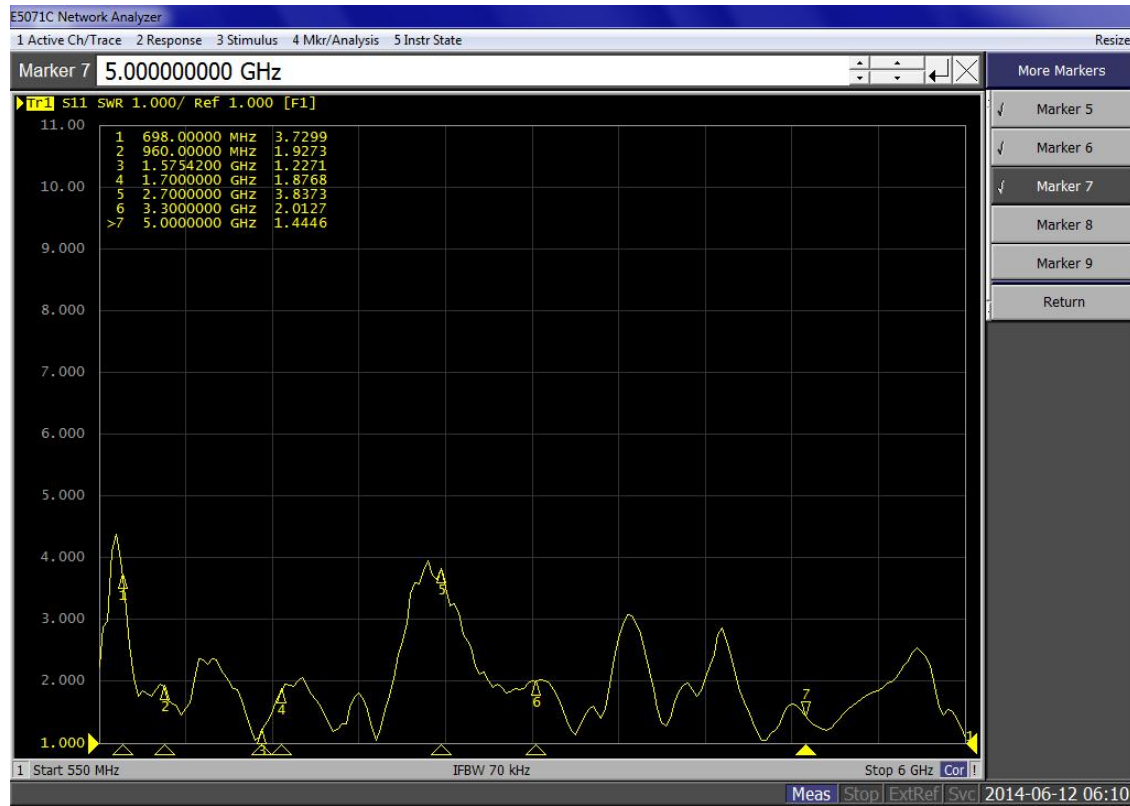


回波损耗

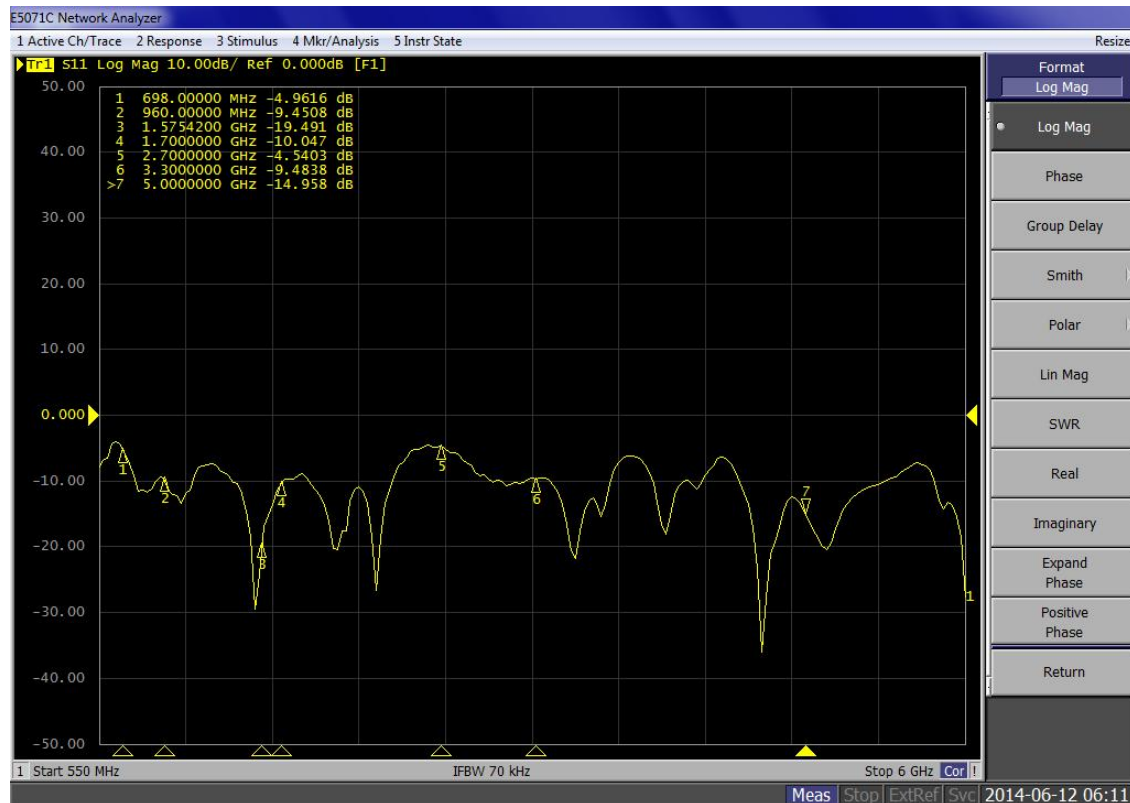


5G

驻波比:



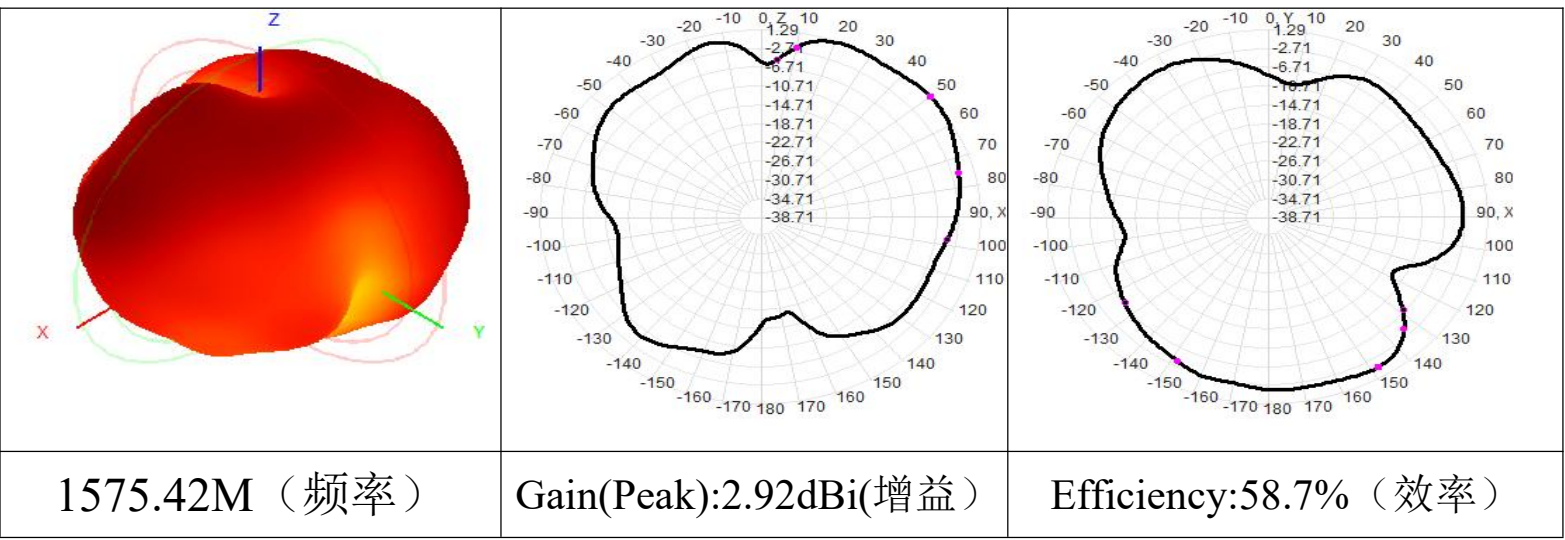
回波损耗



GPS

Frequency ID	1
Frequency (MHz)	1575.4
Efficiency (dBi)	-1.75
Gain (dBi)	2.92
Efficiency (%)	58.70

GPS 2D、3DRaditation Pattern

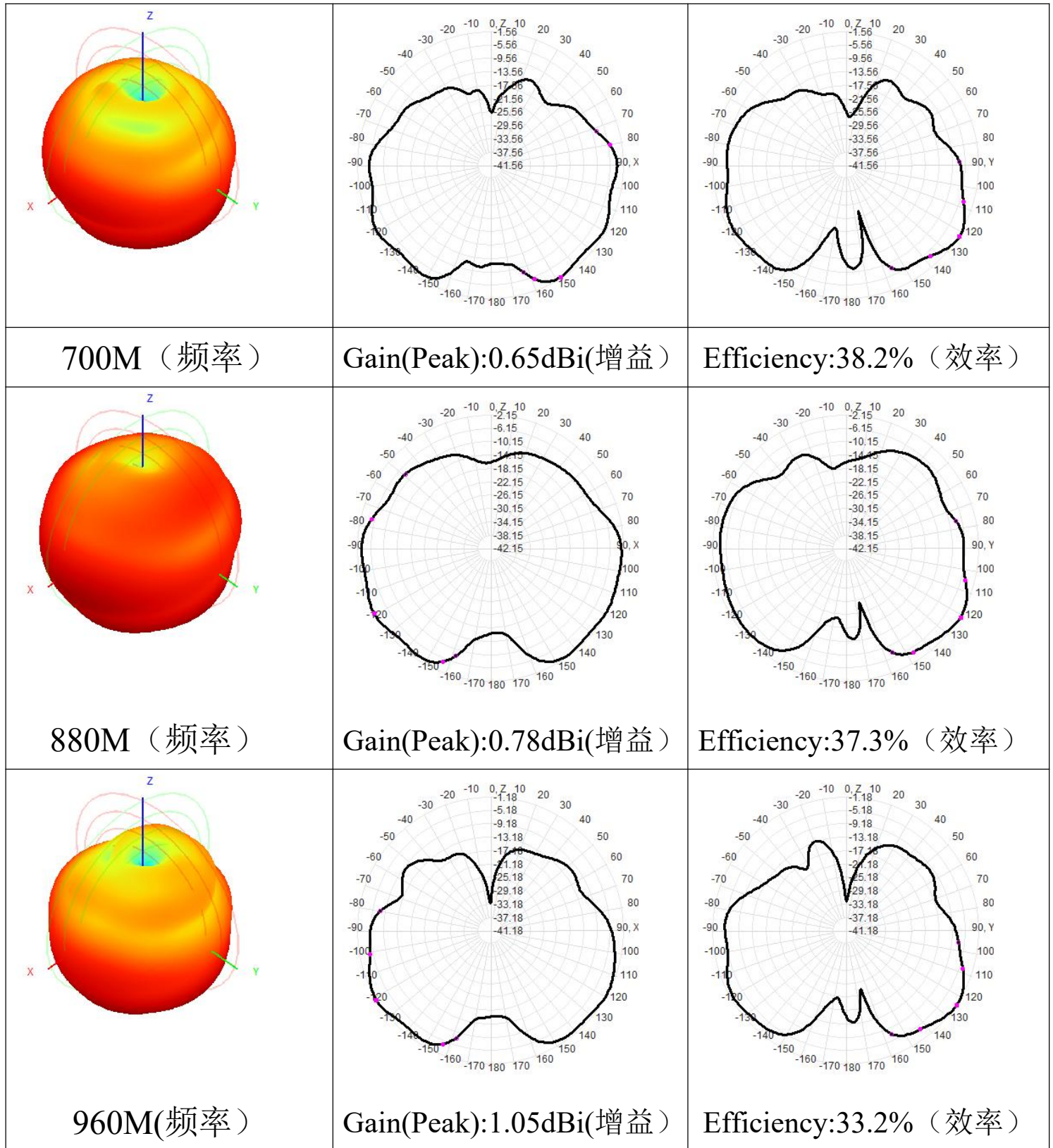


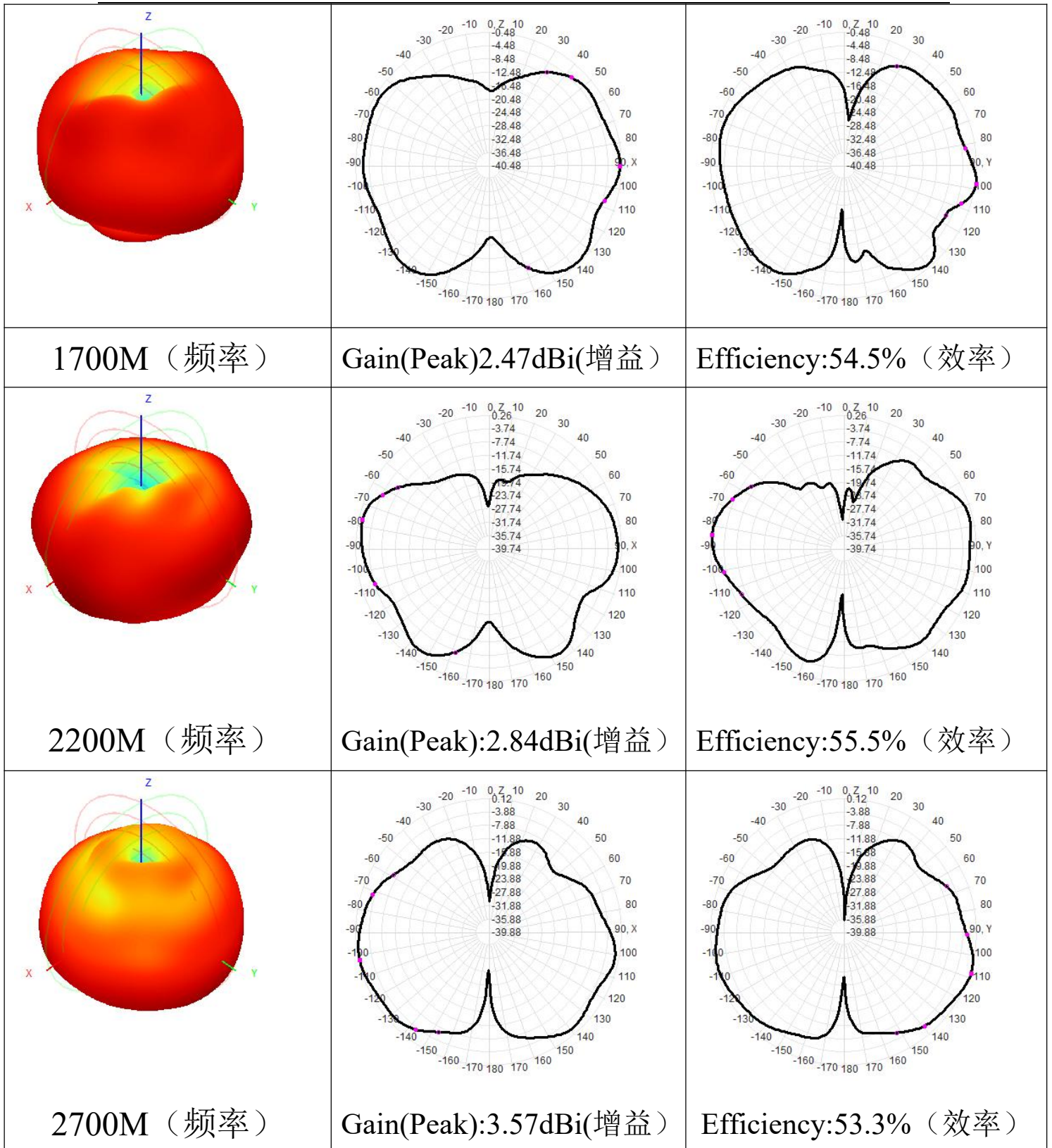
5G

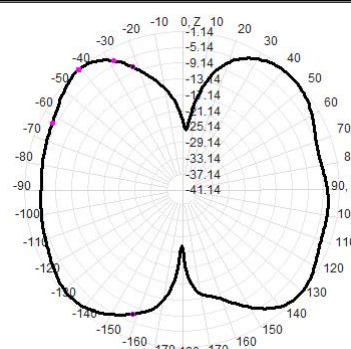
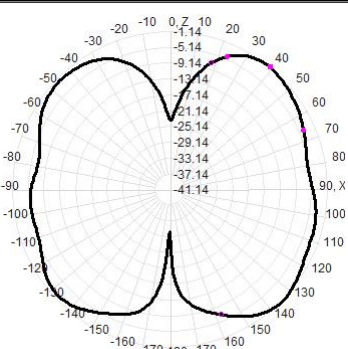
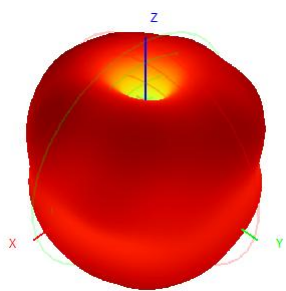
Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)	Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	700.0	0.65	38.20	41	3000.0	2.48	51.20
2	720.0	0.32	31.50	42	3050.0	2.79	56.26
3	740.0	-0.41	26.54	43	3100.0	2.78	56.74
4	760.0	-0.15	27.74	44	3150.0	2.39	55.84
5	780.0	-0.24	25.51	45	3200.0	2.44	53.08
6	800.0	-0.61	26.51	46	3250.0	2.58	57.28
7	820.0	-0.53	25.97	47	3300.0	3.87	61.60
8	840.0	-0.82	28.40	48	3350.0	2.28	48.18
9	860.0	0.37	32.50	49	3400.0	2.34	50.75
10	880.0	0.78	37.30	50	3450.0	3.03	45.12
11	900.0	0.05	28.05	51	3500.0	2.61	52.98
12	920.0	0.39	27.50	52	3550.0	2.50	50.12
13	940.0	0.51	31.50	53	3600.0	3.00	50.68
14	960.0	1.06	33.20	54	3650.0	1.91	58.40
15	1700.0	2.47	54.50	55	3700.0	2.19	57.86
16	1750.0	2.64	57.50	56	3750.0	2.93	58.24
17	1800.0	2.62	56.40	57	3800.0	4.29	62.20
18	1850.0	1.81	51.80	58	3850.0	2.94	58.33
19	1900.0	2.14	52.70	59	3900.0	2.74	58.90
20	1950.0	2.07	50.50	60	3950.0	2.42	56.92
21	2000.0	0.30	30.26	61	4000.0	1.91	52.14
22	2050.0	2.14	49.80	62	4050.0	2.68	53.73
23	2100.0	2.40	52.50	63	4100.0	2.95	54.40
24	2150.0	2.28	51.20	64	4150.0	2.83	60.71
25	2200.0	2.84	55.50	65	4200.0	4.47	65.60
26	2250.0	2.16	51.50	66	4250.0	2.12	58.28
27	2300.0	2.38	52.22	67	4300.0	2.95	60.37
28	2350.0	1.65	43.51	68	4350.0	2.86	59.40
29	2400.0	1.73	46.83	69	4400.0	2.32	59.31
30	2450.0	1.55	42.90	70	4450.0	3.08	63.79
31	2500.0	1.64	49.45	71	4500.0	4.51	66.30
32	2550.0	2.31	47.98	72	4550.0	2.91	59.26
33	2600.0	2.08	45.53	73	4600.0	2.09	60.15
34	2650.0	2.64	46.50	74	4650.0	2.27	57.53
35	2700.0	3.57	53.50	75	4700.0	2.94	54.85
36	2750.0	2.32	54.50	76	4750.0	4.11	57.23
37	2800.0	2.70	52.80	77	4800.0	4.38	64.50
38	2850.0	2.63	55.70	78	4850.0	1.69	37.04
39	2900.0	2.51	52.30	79	4900.0	1.78	45.57
40	2950.0	2.40	49.93	80	4950.0	2.82	59.09
				81	5000.0	4.31	63.40

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	5150.0	2.15	46.91
2	5200.0	1.37	46.03
3	5250.0	1.45	39.14
4	5300.0	1.25	38.13
5	5350.0	0.88	37.31
6	5400.0	1.89	40.41
7	5450.0	1.76	40.03
8	5500.0	1.91	37.87
9	5550.0	1.93	35.16
10	5600.0	2.13	46.42
11	5650.0	2.09	41.94
12	5700.0	1.49	49.35
13	5750.0	1.74	48.42
14	5800.0	1.81	48.42
15	5850.0	1.92	41.20
16	5900.0	0.95	42.99
17	5950.0	1.13	36.19

5G 2D、3DRaditation Pattern



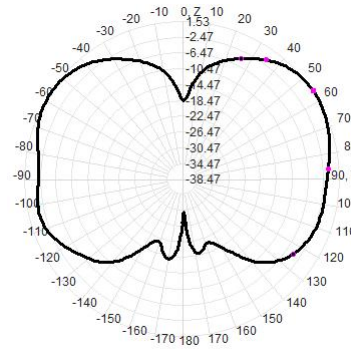
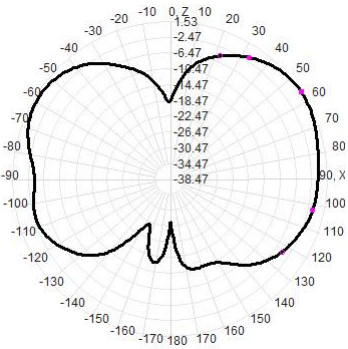
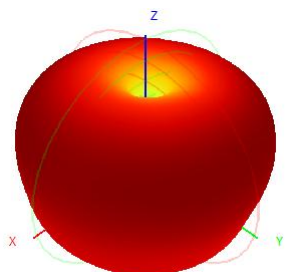




3300M (频率)

Gain(Peak):3.87dBi(增益)

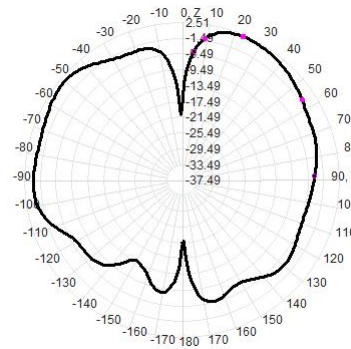
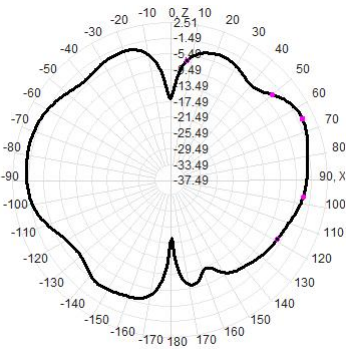
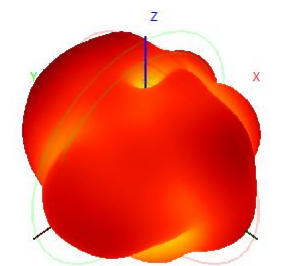
Efficiency:61.6% (效率)



3800M (频率)

Gain(Peak):4.29dBi(增益)

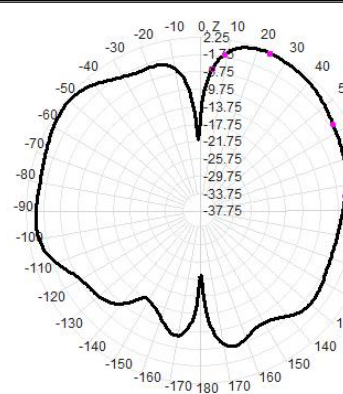
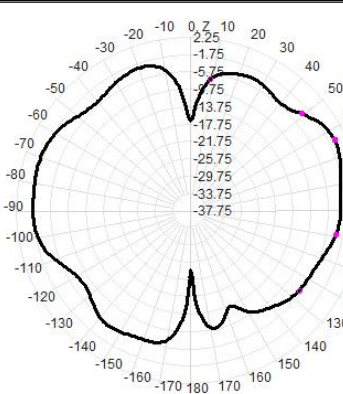
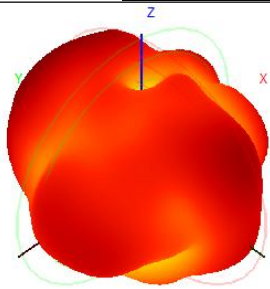
Efficiency:62.2% (效率)



4200M (频率)

Gain(Peak):4.47dBi(增益)

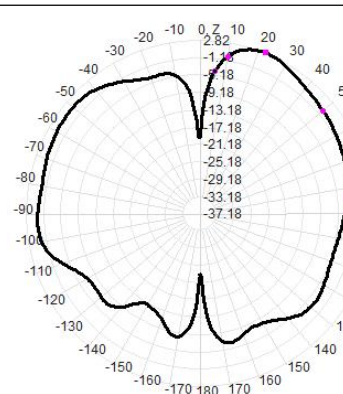
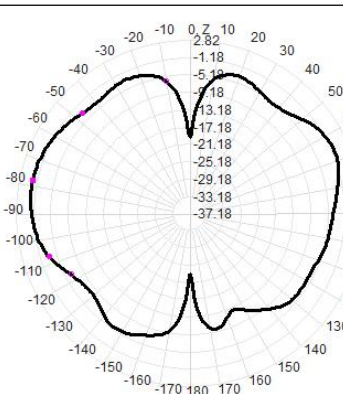
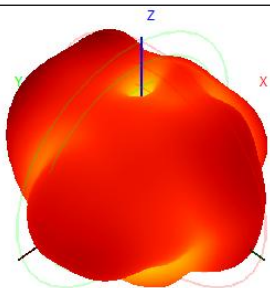
Efficiency:65.6% (效率)



4500M (频率)

Gain(Peak):4.51dBi(增益)

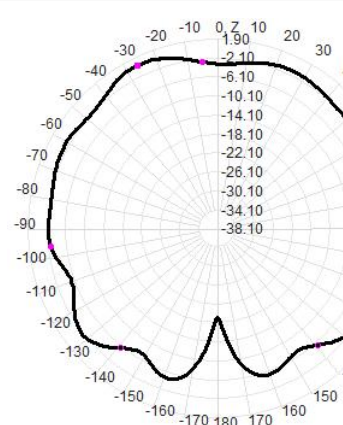
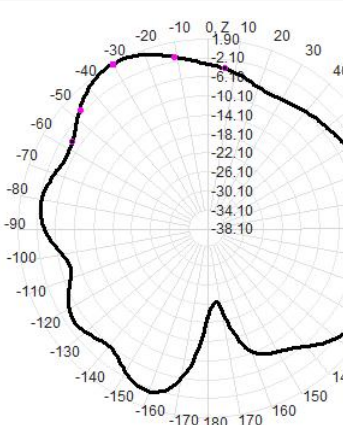
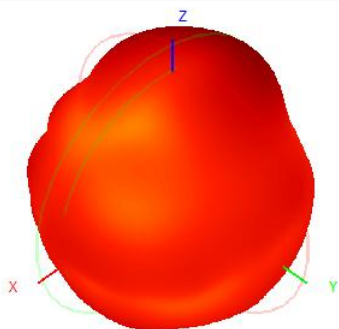
Efficiency:66.3% (效率)



4800M (频率)

Gain(Peak):4.38dBi(增益)

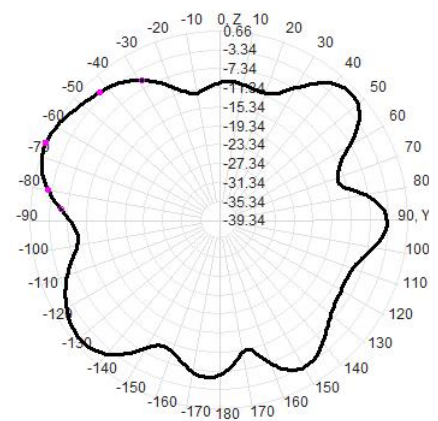
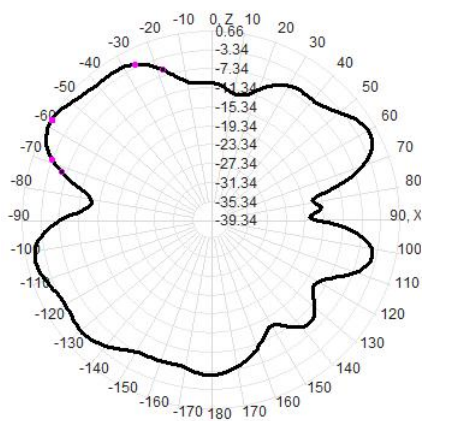
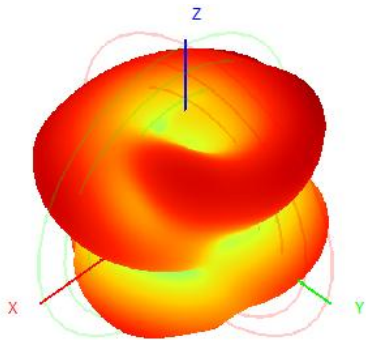
Efficiency:64.5% (效率)



5000M (频率)

Gain(Peak):4.31dBi(增益)

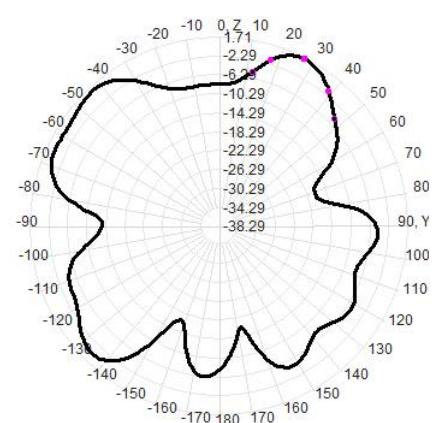
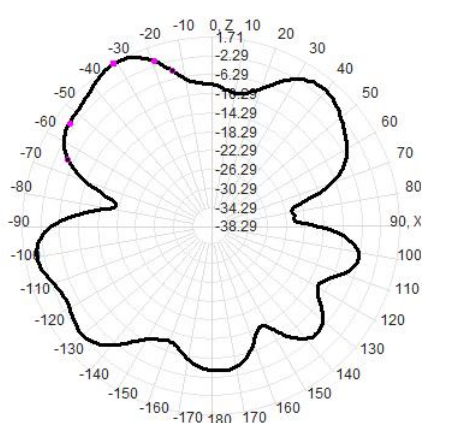
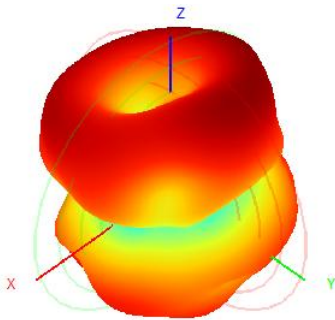
Efficiency:63.4% (效率)



5150M (频率)

Gain(Peak):2.15dBi(增益)

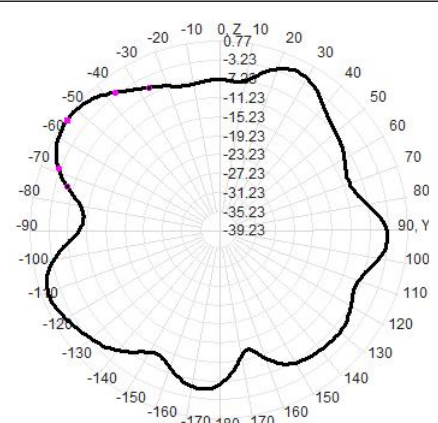
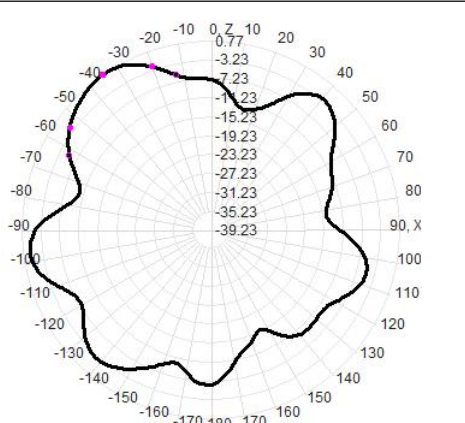
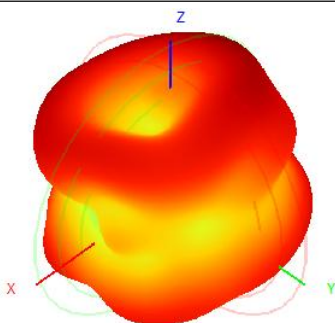
Efficiency:46.91% (效率)



5500M (频率)

Gain(Peak):1.91dBi(增益)

Efficiency:35.16% (效率)



5950M (频率)

Gain(Peak):1.13dBi(增益)

Efficiency:36.19% (效率)