



深圳市固友科技有限公司

SHENZHEN GUYOU TECHNOLOGY CO., LTD.

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产品规格承认书

Product specifications acknowledgment

承认厂商: _____

(Recognized manufacturers)

制造厂商: _____ 深圳市固友科技有限公司

(Manufacturer)

产品名称: _____ WIFI 双频黑色棒状天线 5DB-镀金内孔

(Description)

产品型号: _____ GY-RPF-N-DJG196

(Product Type)

供应商承认签章栏

制表者	审核者	核准者

客户承认签章栏

审核者	核准者

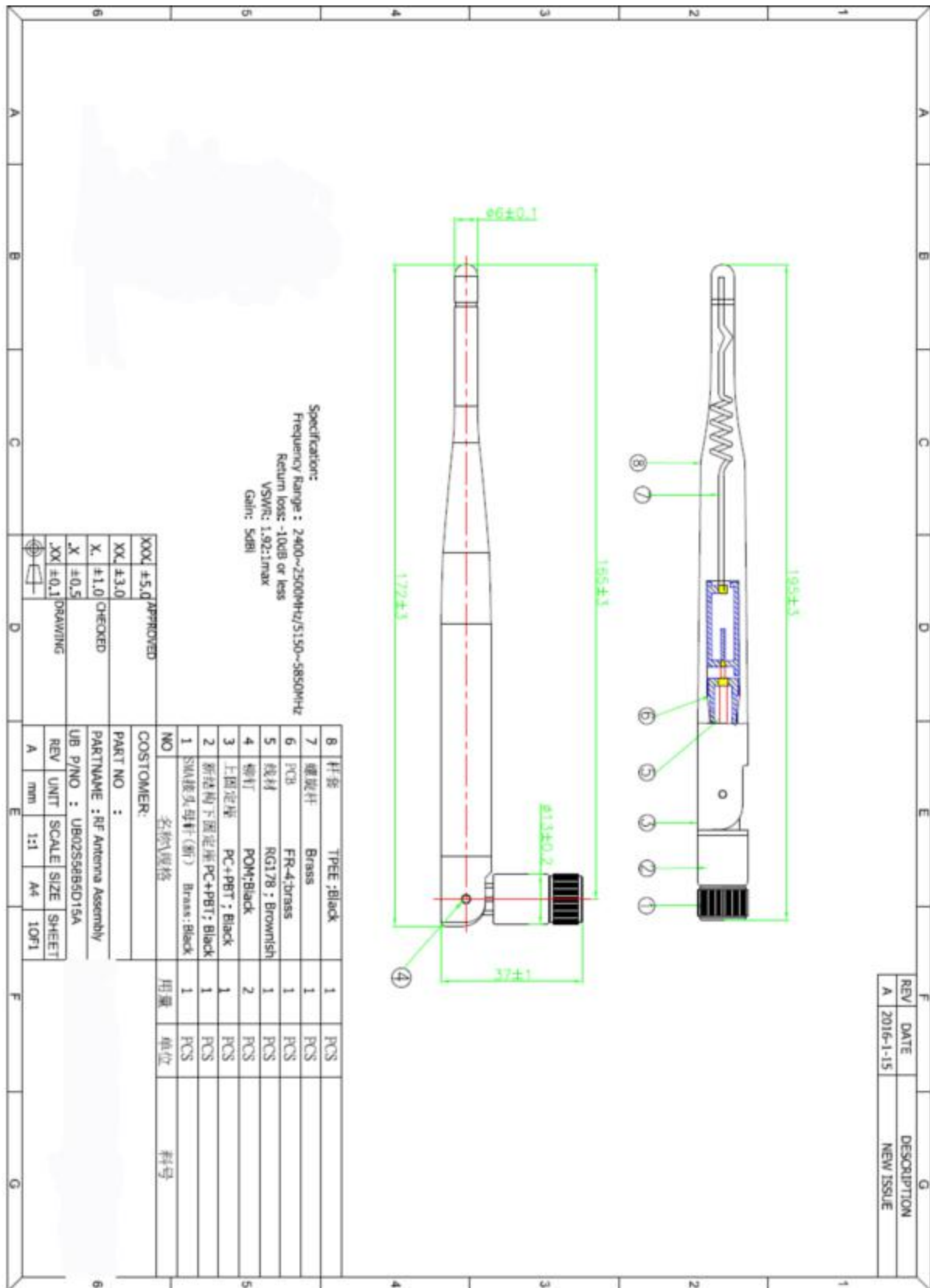


一、产品技术参数

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400~2500 5150~5850	Frequency Range (MHZ)	2400~2500 5150~5850
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	4.13	Gain(dBi)	4.13
输出电压 驻波比	≤ 1.92	VSWR	≤ 1.92
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear, Vertical
连接方式	RP-SMA-J	Connector Type	RP-SMA-J
物理性能		Physical Properties	
天线本体材料	TPEE	Antenna Base	TPEE
工作温度	-45℃~+85℃	Operating Temp	-45℃~+85℃
保存温度	-45℃~+85℃	Storage Temp	-45℃~+85℃



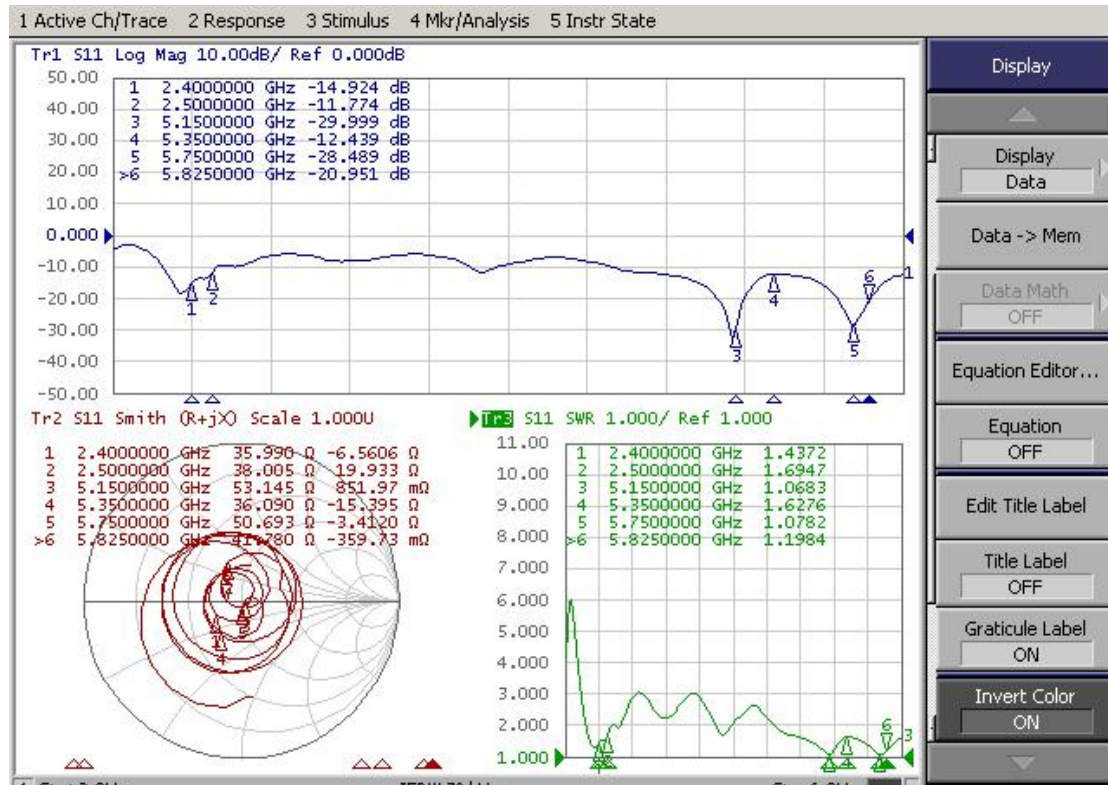
二、成品图:



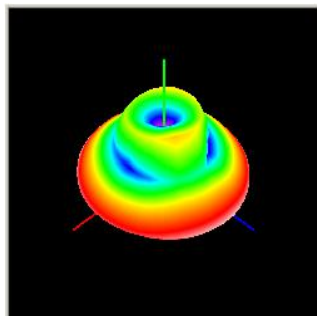


三、测试报告

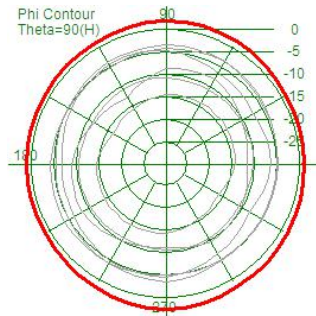
3.1: 网络分析仪测试报告:



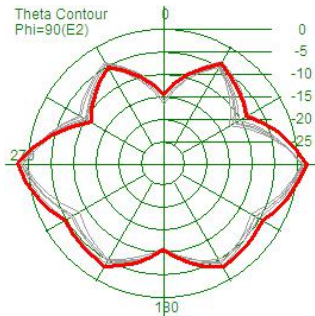
3.2: 暗室 2D、3DRaditation Pattern



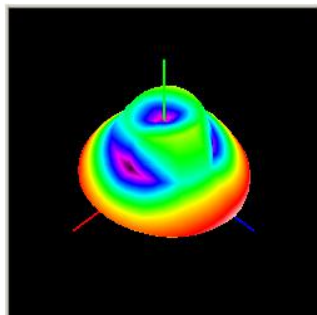
2.4GHz



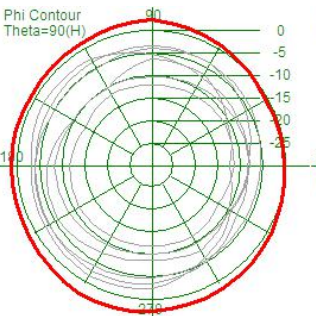
Gain: 4.52dBi



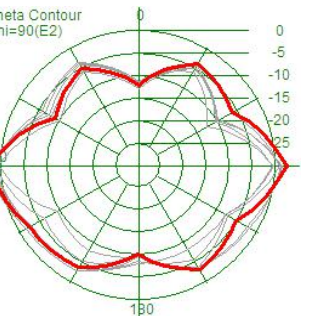
Efficiency: 70.15%



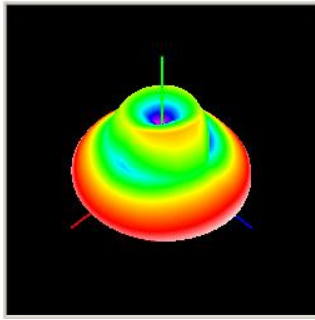
2.45GHz



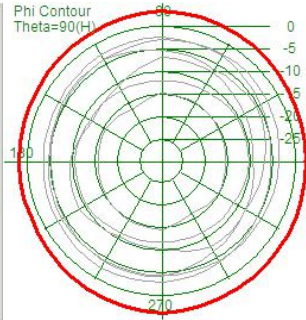
Gain: 4.64dBi



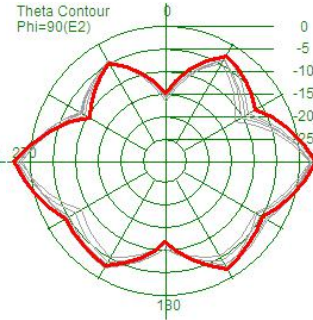
Efficiency: 73.23%



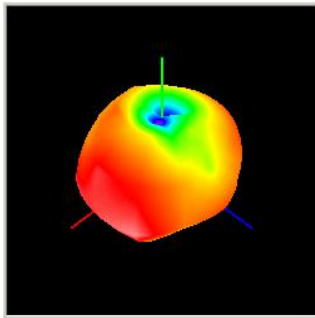
2.5GHz



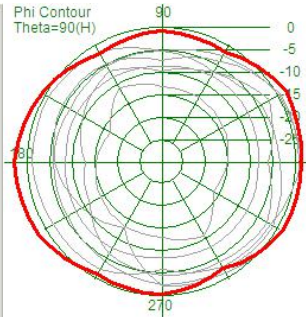
Gain: 4.69dBi



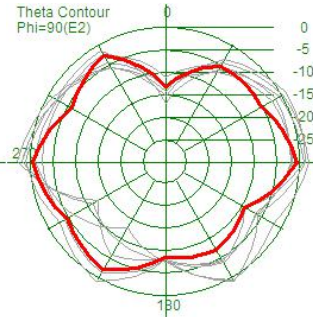
Efficiency: 74.09%



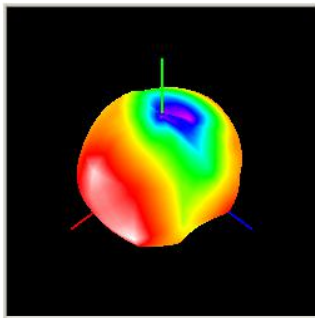
5.15GHz



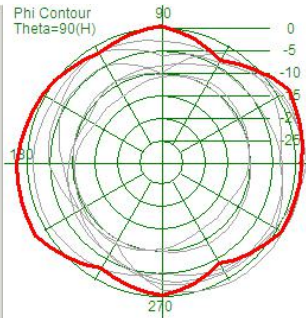
Gain: 4.58dBi



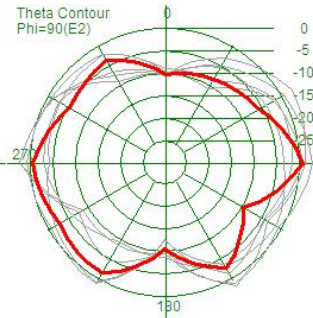
Efficiency: 70.86%



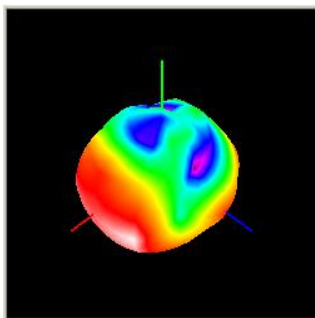
5.35GHz



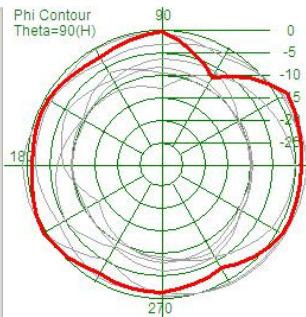
Gain: 4.65dBi



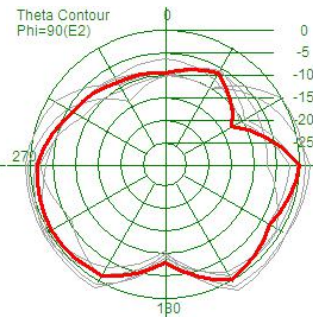
Efficiency: 70.49%



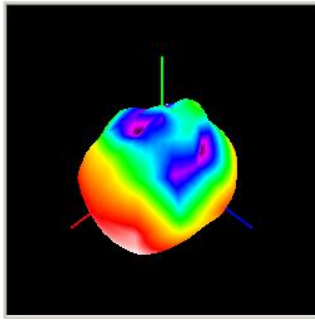
5.75GHz



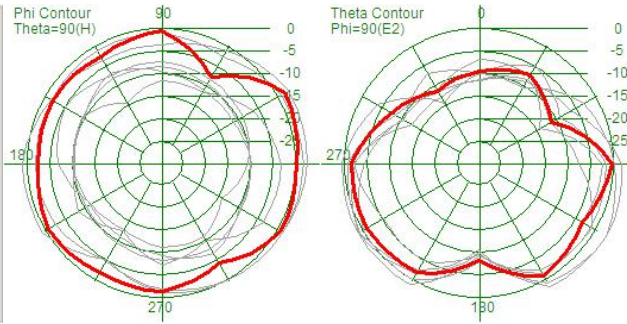
Gain: 4.73dBi



Efficiency: 71.61%



5.825GHz



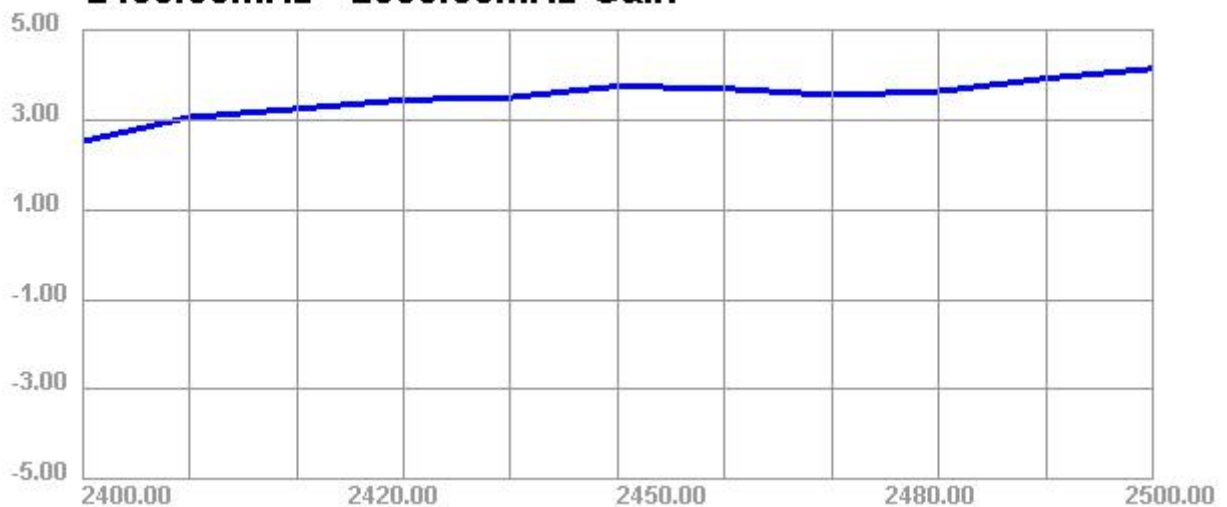
Gain: 4.68dBi

Efficiency: 72.37%

四、天线测试参数

Passive Test For 2.4G								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	56.89	-2.45	2.52	0.37	2.52	-20.96	49.5	49.72
2410	66.74	-1.76	3.05	0.9	3.05	-19.57	49.89	50.19
2420	71.18	-1.48	3.24	1.09	3.24	-20.79	50.03	50.29
2430	72.07	-1.42	3.44	1.29	3.44	-22.18	49.9	50.15
2440	70.65	-1.51	3.5	1.35	3.5	-23.18	49.76	50.1
2450	72.8	-1.38	3.74	1.59	3.74	-22.77	49.86	50.05
2460	71.45	-1.46	3.69	1.54	3.69	-22.45	49.73	49.92
2470	69.24	-1.6	3.55	1.4	3.55	-22.94	49.6	49.81
2480	71.05	-1.48	3.63	1.48	3.63	-21.75	49.69	49.89
2490	76.12	-1.18	3.92	1.77	3.92	-19.93	49.94	50.14
2500	79.88	-0.98	4.13	1.98	4.13	-20.25	50.15	50.22

2400.00MHz - 2500.00MHz Gain

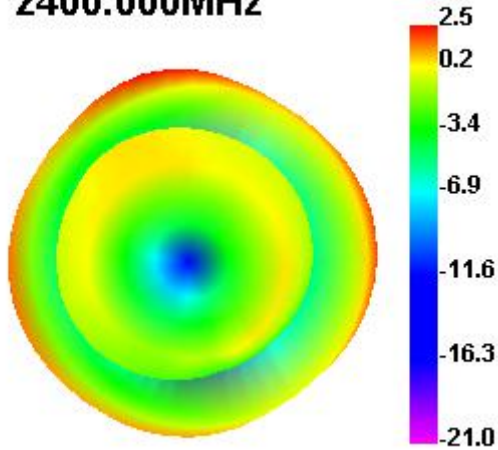




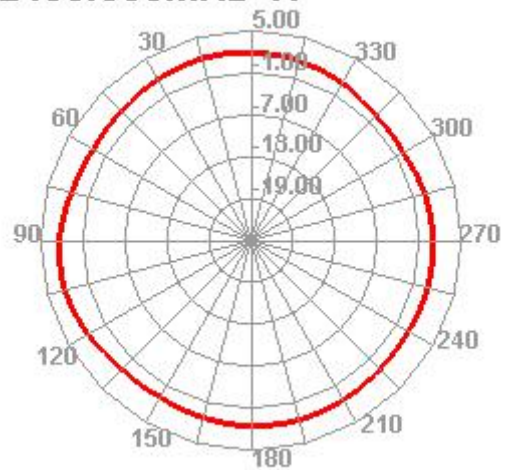
2400.00MHz - 2500.00MHz Efficiency



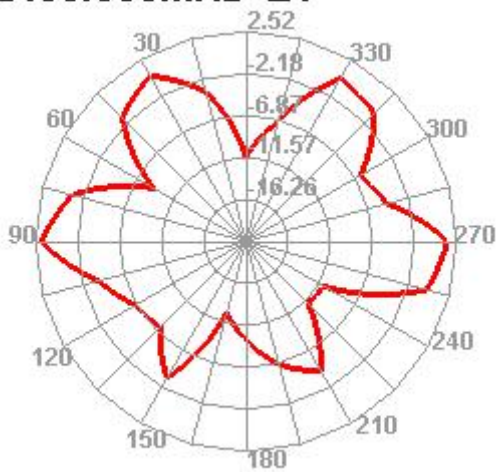
2400.000MHz



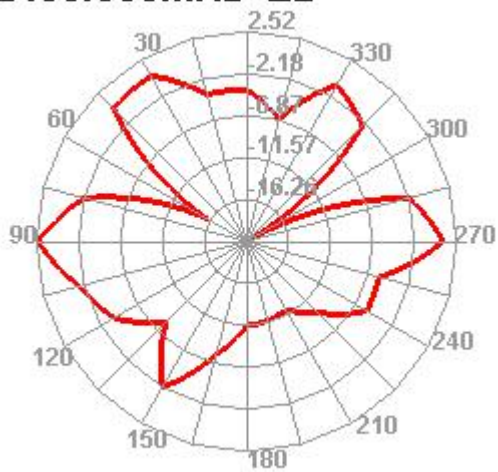
2400.000MHz H

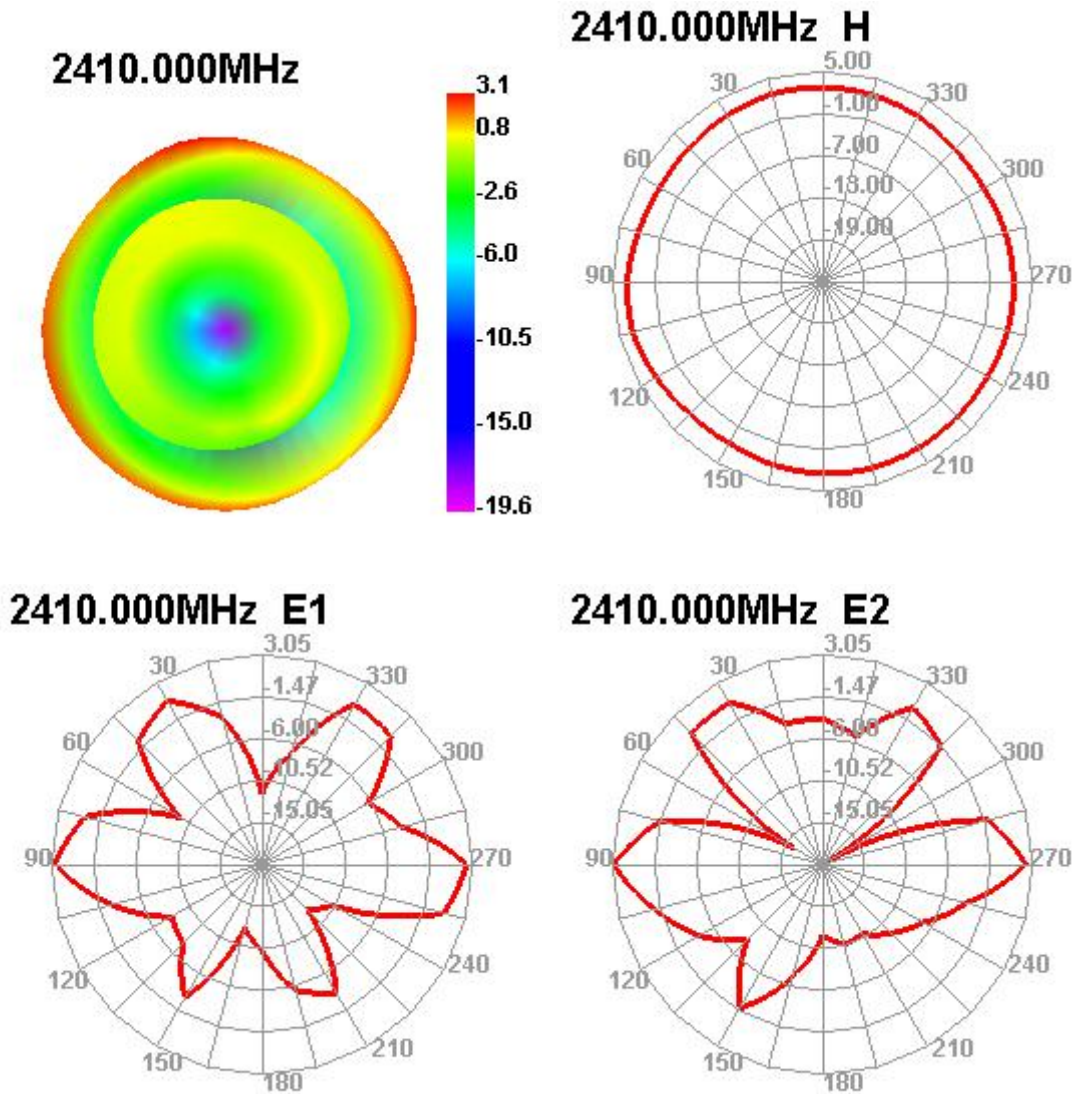


2400.000MHz E1



2400.000MHz E2





五、材质要求

1. 本体 Body: ■TPEE; 黑色
2. 上基座 Base: ■PC; 黑色
3. 下基座 Base: ■PBT; 黑色
4. 铆钉 Rivet: ■POM; 黑色
5. Cable: ■透时棕 RG-178*58mm, 编织镀锡, 内导体镀锡, 外被 FEP, 绝缘体 FEP
6. 接头 SMA: ■RP-SMA-J, 黑色塑胶外壳