



产品规格承认书

Specification For Approval

客户名称:

Customer

供应商:

Supplier

惠州市金谷通信技术有限公司

客户料号:

Customer P/N

产品名称:

Production Name

2.4-5.8G 内置天线 (YW5697 平板电脑专用)

产品型号:

Production Number

JG-2.4&5.8G-F1923-100

供应商确认盖章 (Supplier Signature)

工程师 Engineer	审核 Checked by	批准 Approved by
jojo	lihui	jacky
2024 年 10 月 08 日	2024 年 10 月 08 日	2024 年 10 月 08 日

客户确认盖章 (Customer Signature)

工程师 Engineer	审核 Checked by	批准 Approved by
年 月 日	年 月 日	年 月 日

注: 客户确认盖章后, 请将此承认书回传到我公司。

惠州市金谷通信技术有限公司

工厂地址: 惠州市惠阳区淡水白云五路旁梁屋 13 号 A 栋 3 层

联系人: 魏巧玲 手机: 18927480411

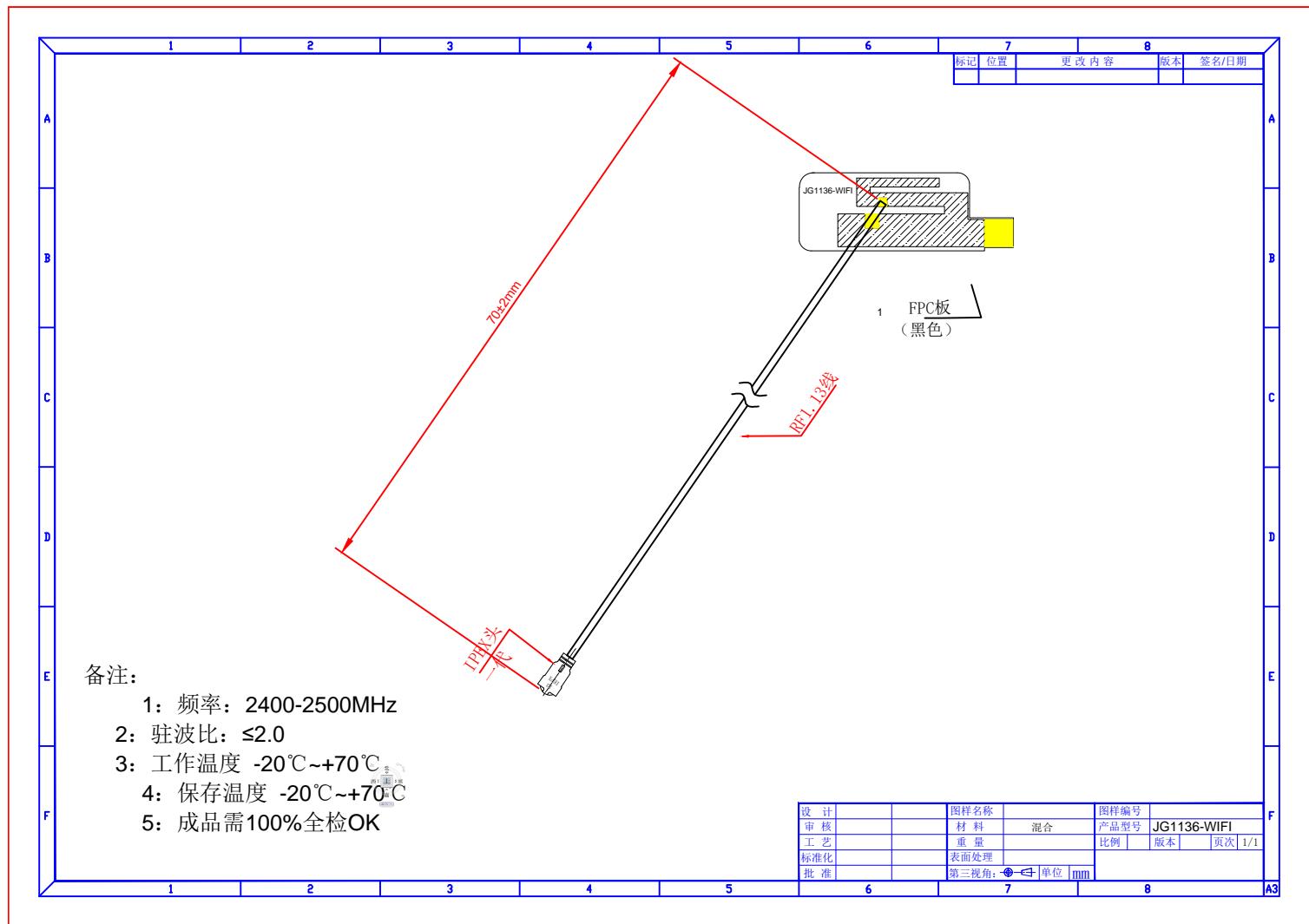


变更履历表

Description Record

序号 NO:	版本号 Version number	更改前描述 Description Before Modification	更改后描述 Description After Modification	日期 Date
1	A/0	初始新建	jojo	2024-10-08
备注:				

一、产品结构图纸/Product structure drawings (mm)



二、实物图/Physical drawing



三、天线技术参数/Antenna technical parameters

厂家内部型号/housemodelnumber	Ex: JG-2.4&5.8G-F1923-100
类别/Category	Ex: 2.4-5.8G
频段/Band	Ex: 2400-2500 5150-5850Mhz
形态/Morphology	Ex: 无源内置天线 (FPC)
极化/Polarization	Ex: 线极化
驻波/Standing Wave	Ex: 2.4G≤1.5 5.8G≤1.5
效率/Efficiency	Ex: ≥40%
增益/Antenna Gain	Ex: 2.75dBi (2.4G MAX)
接头类型/Connector type	Ex: IPEX 一代 (国产)
有源/无源 Active/passive	Ex: 无源
天线尺寸/Antenna size	Ex: 22.5x18.5mm
馈线类型和尺寸/type and size	Ex: RF1.13 线 (黑色) 长 100mm
工作温度/Operating temperature	Ex: -20°C~70°C



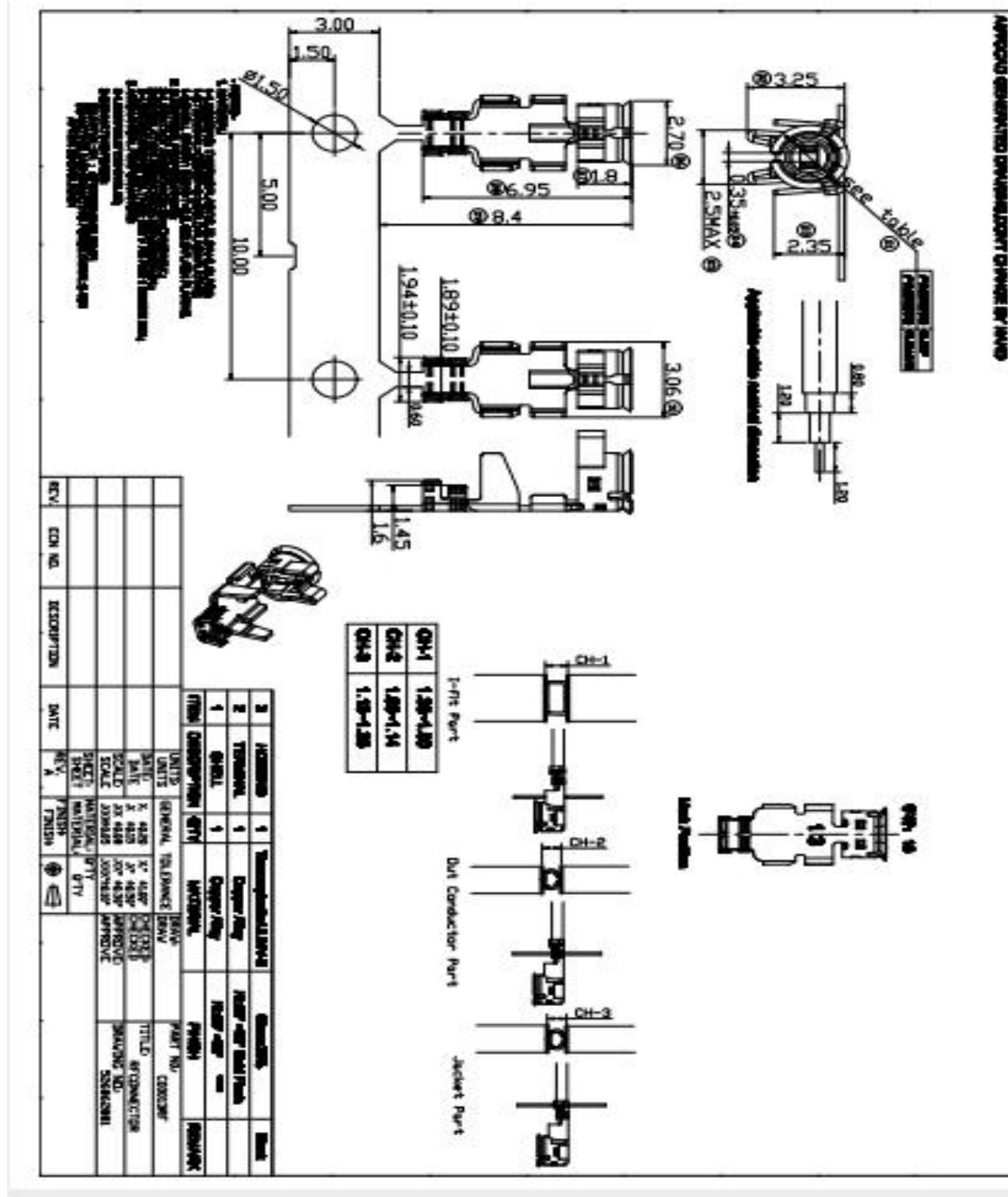
四、1.13 线规格/Line specifications

产品技术规范 DATA SHEET V1.0
Micro-Coaxial Cable Series

惠州市金谷通信技术有限公司

产品规格 Product Type		RF113/50 双锡线			
结构图 Structure Drawing					
结构特性 Structure Characteristics					
结构 Structure		项目 Item	标准值 Standard Value		
内导体 Inner Conductor	材质 Material	镀锡铜线 Tinned Copper Wire			
	结构 Construction(mm)	7/0.08			
	标称外径 Nom.Dia(mm)	0.24±0.02			
绝缘层 Insulation	材质 Material	聚全氟乙丙烯 FEP			
	标称外径 Nom.Dia(mm)	0.70±0.02			
外导体 Outer Conductor	材质 Material	镀锡铜线 Tinned Copper Wire 16*4/0.05			
	标称外径 Nom.Dia(mm)	0.92±0.05			
	编织覆盖率 Coverage Ratio(%)	90±5			
护套 Jacket	材质 Material	聚全氟乙丙烯 FEP			
	标称外径 Nom.Dia(mm)	1.13±0.05			
电气性能 Electrical Characteristics					
项目 Item	标准值 Standard Value	项目 Item	频率 Frequency 标准值 Standard Value		
阻抗 Impedance (Ω)	50±2	衰减 Attenuation@20°C (dB/m)	1GHz 2.20		
电容 Capacitance(pF/m)	98		2GHz 3.10		
速率 Velocity(%)	70		3GHz 3.80		
驻波比 VSWR	≤1.30@DC-6GHz		4GHz 4.40		
最大工作电压 Max.Operating Voltage(V)	1000		5GHz 4.90		
最大工作频率 Max.Operating Frequency(GHz)	6		6GHz 5.40		
可靠性 Dependability					
最小弯曲半径(单次)Min.Bending Radius/Single	mm	5			
最小弯曲半径 (重复) Min.Bending Radius/Repeated	mm	10			
工作温度范围 Operating Temperature	°C	-55~+200			
包装 Packing					
包装方式 Packing Mode	纸盘 Papery Reel				
包装长度 The Length of Each Reel(m)	1000				
每盘段数 The Joints of Each Reel	≤5				
最小段长 Min. Segment Length(m)	≥10				
使用提示 Tips for Use					
存储环境 Storage Environment	温度：30°C以下，湿度：20-65%				
最佳保存周期 The Best Save Cycle	2个月，2个月以上上锡效果变差，但电性能不受影响，夏季高温高湿环境开剥后需尽快流转				
加工温度 Processing Temperature	可短时承受 260°C的高温，300°C以上易发生分解，400°C以上发生显著的热分解				
铁氟龙收缩 Teflon Shrink	材料的固有属性，绝缘 0.2mm 以下，护套 0.3mm 以下				
护套窜动 Jacket Taaverse	加工长度 (护套残留长度) 低于 5CM 时易发生				

五、连接器的规格/Specifications of the connector

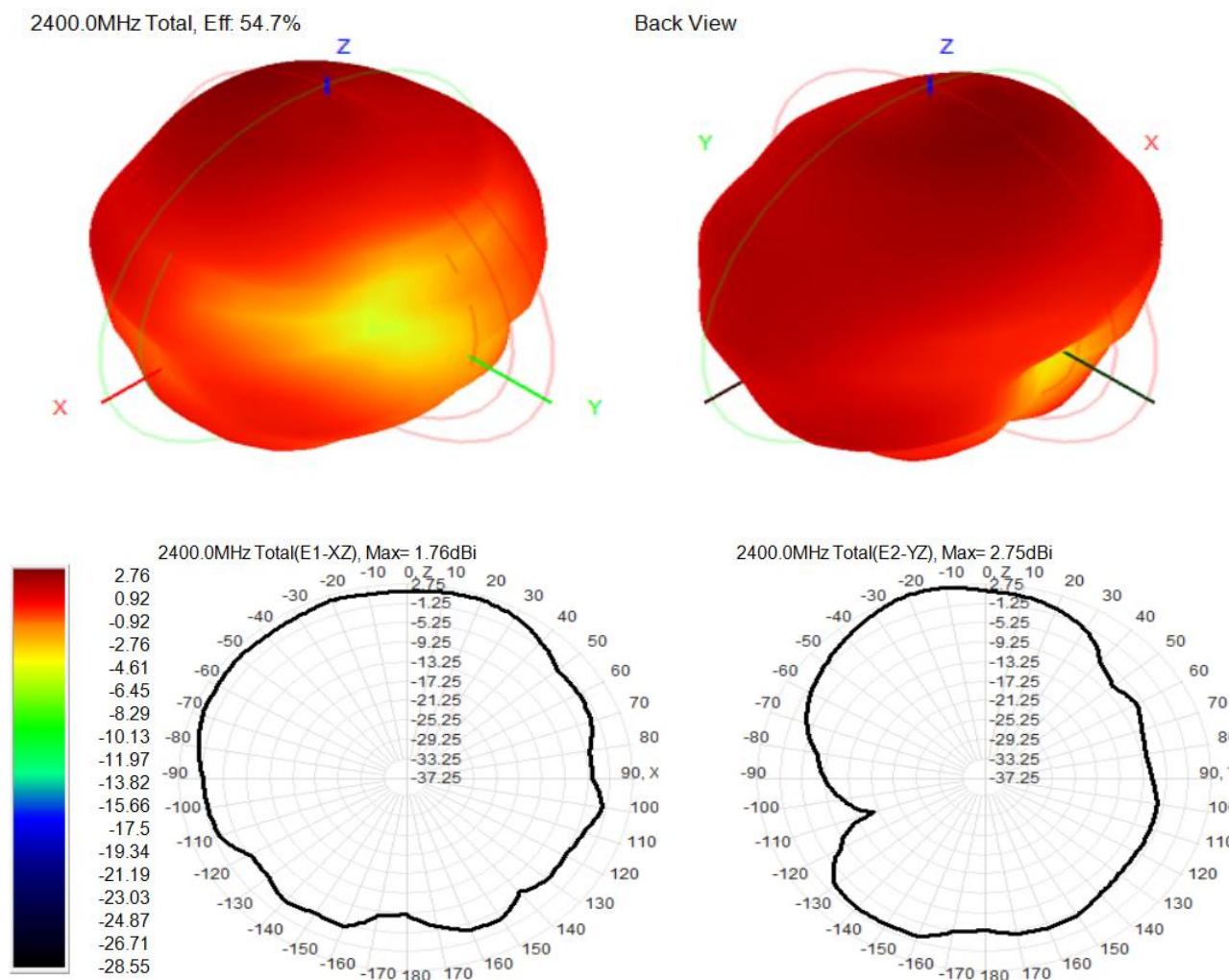


六、性能测试图/Performance test chart

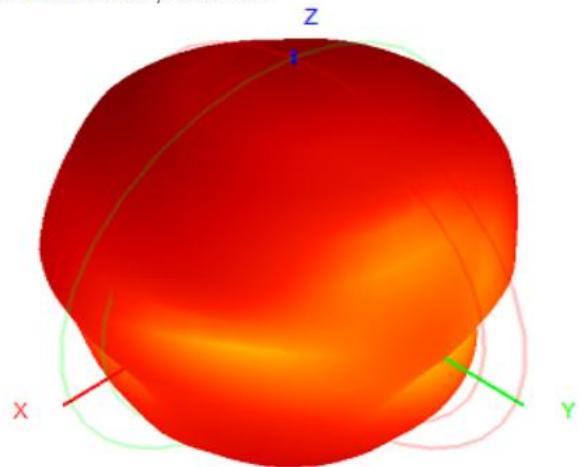
1、回波损耗&驻波比/Return loss & VSWR



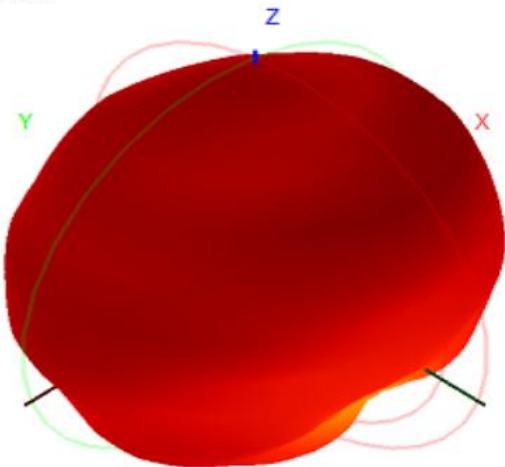
2、方向图/Direction map (2D&3D)



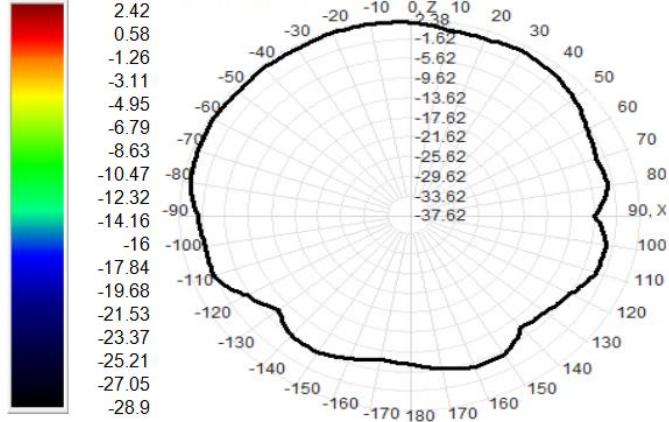
2500.0MHz Total, Eff. 60.2%



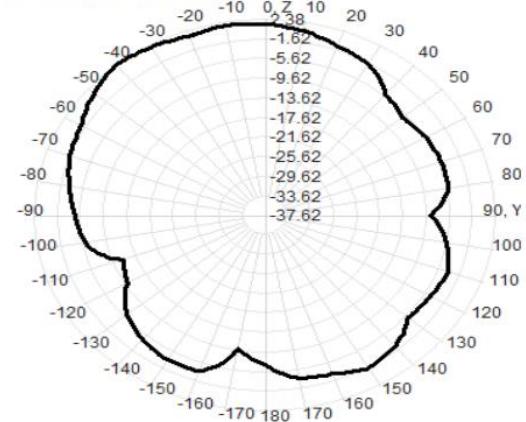
Back View



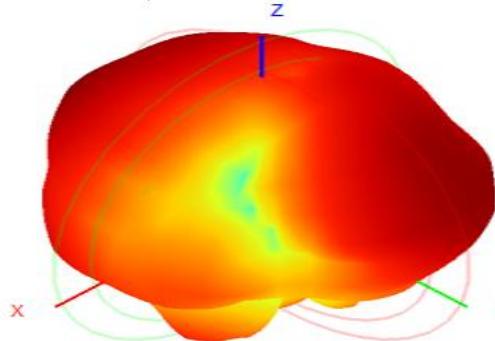
2500.0MHz Total(E1-XZ), Max= 1.94dBi



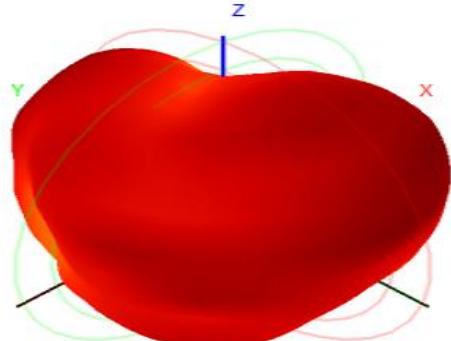
2500.0MHz Total(E2-YZ), Max= 2.38dBi



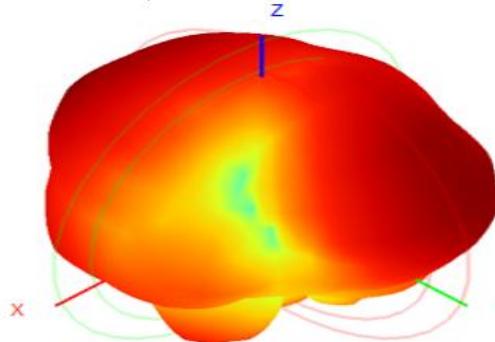
5140.0MHz Total, Eff. 34.2%



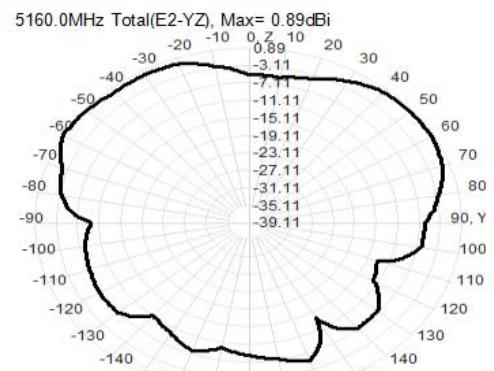
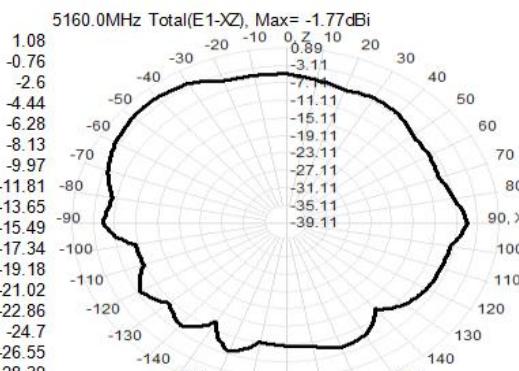
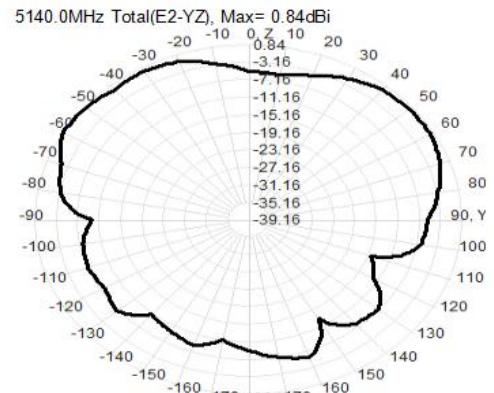
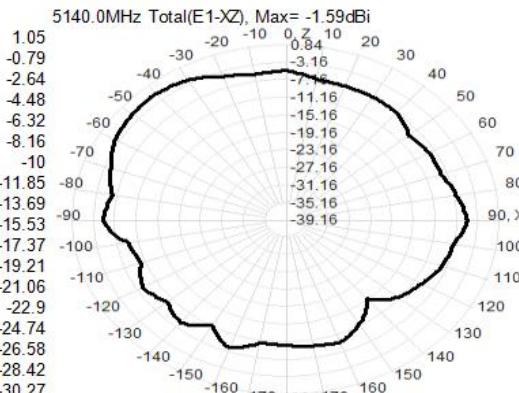
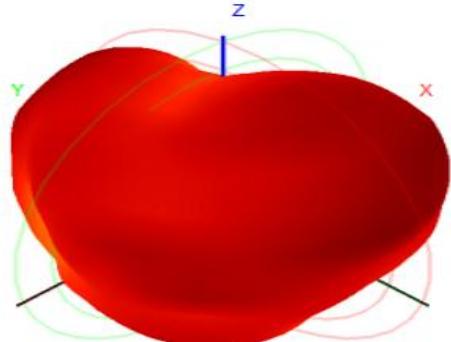
Back View

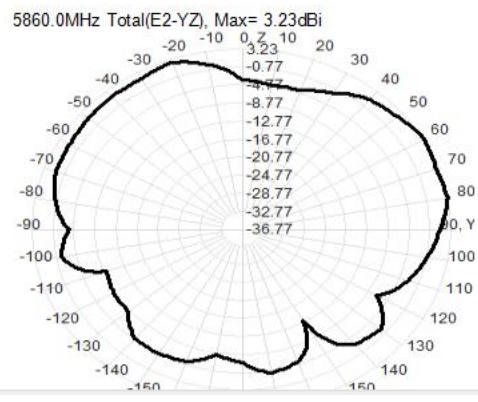
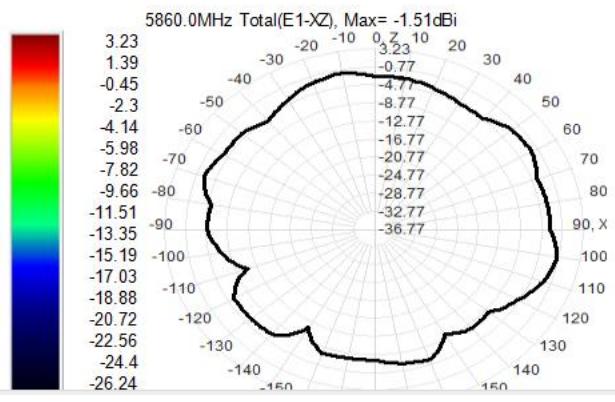
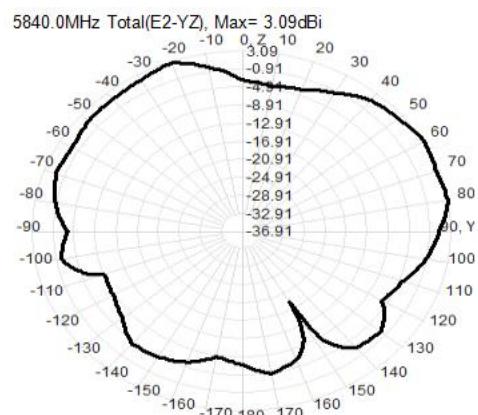
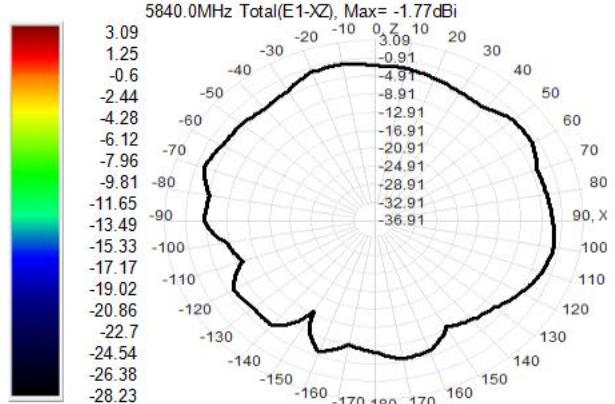
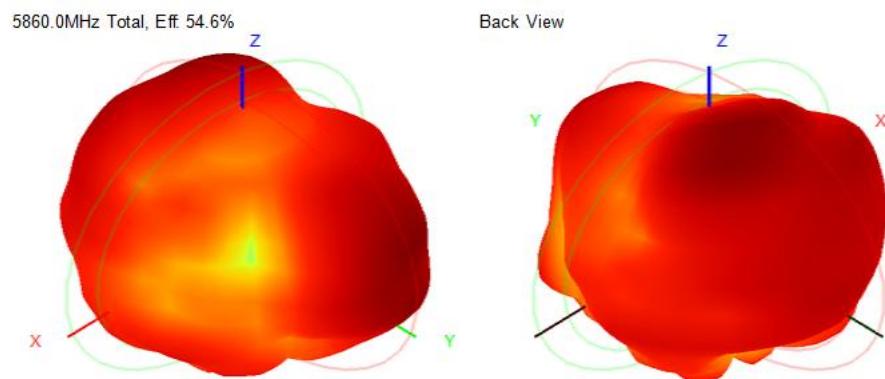
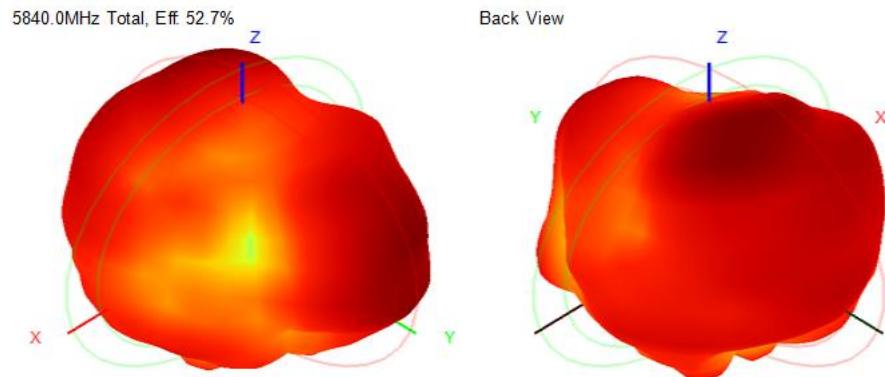


5160.0MHz Total, Eff. 34.8%

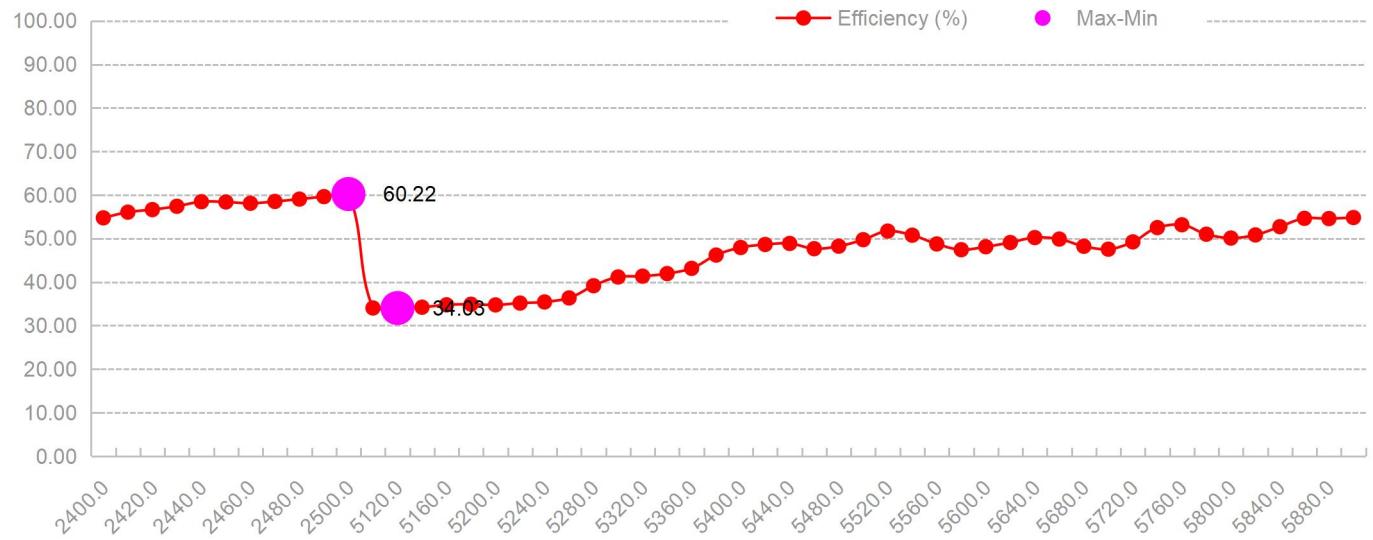


Back View

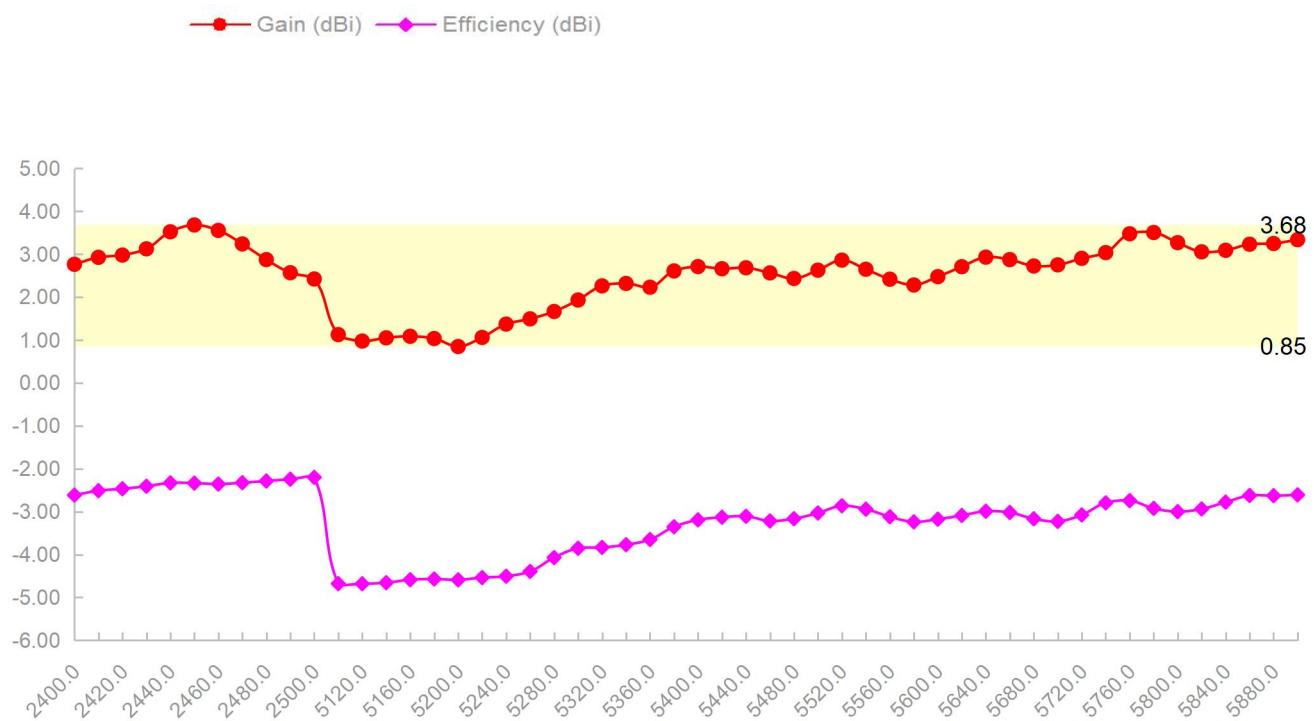




3、效率曲线图/Efficiency graph



4、增益曲线/Gain curve





七、天线安装示意图/Schematic diagram of antenna installation

