

规格书
specification

客户名称/Customer: _____

客户料号/Material No: _____

科信料号/Material No NZ1***

规格描述/Specification description: 双频内置/Dual-band built-in
FPC37*9mm/RG1.13 L=120mm 1代 IPEX

制作日期/Date: : 2024 年 06 月 05 日

出厂确认/Factory confirmation:

部门/Dept	审 核/Auditor	批 准/Approver
射频部/Radiofrequency	刘小雄	刘啸
结构部/Structure	李志晓	李斌
品质部/Quality	刘春玉	曾鹏飞

客户确认/Customer confirmation :

检 查/Checker	审 核/Auditor	批 准/Approver

△ 文件制定、修改、废止记录

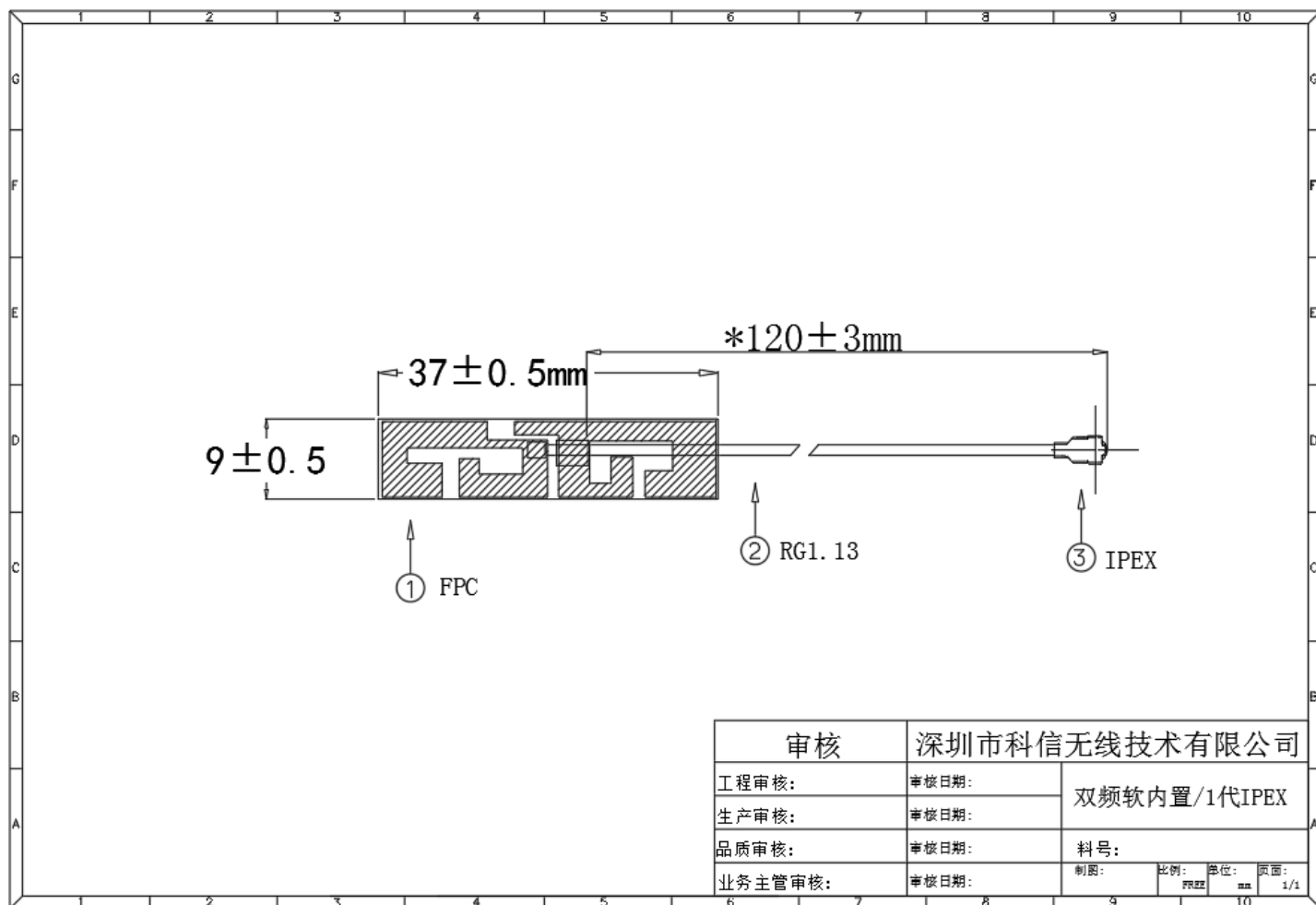
/Document formulation, modification and abolition of records

文件名称 Filename	日 期 Date	控制版次 Control edition	关联内容 Related content	制 定 Lay down	批 准 Approver
样品承认书 Sample acknowledgm ent	2024. 06. 05	V1	首次制作 Made for the first time	李志晓	李斌

产品性能参数/Product performance parameters

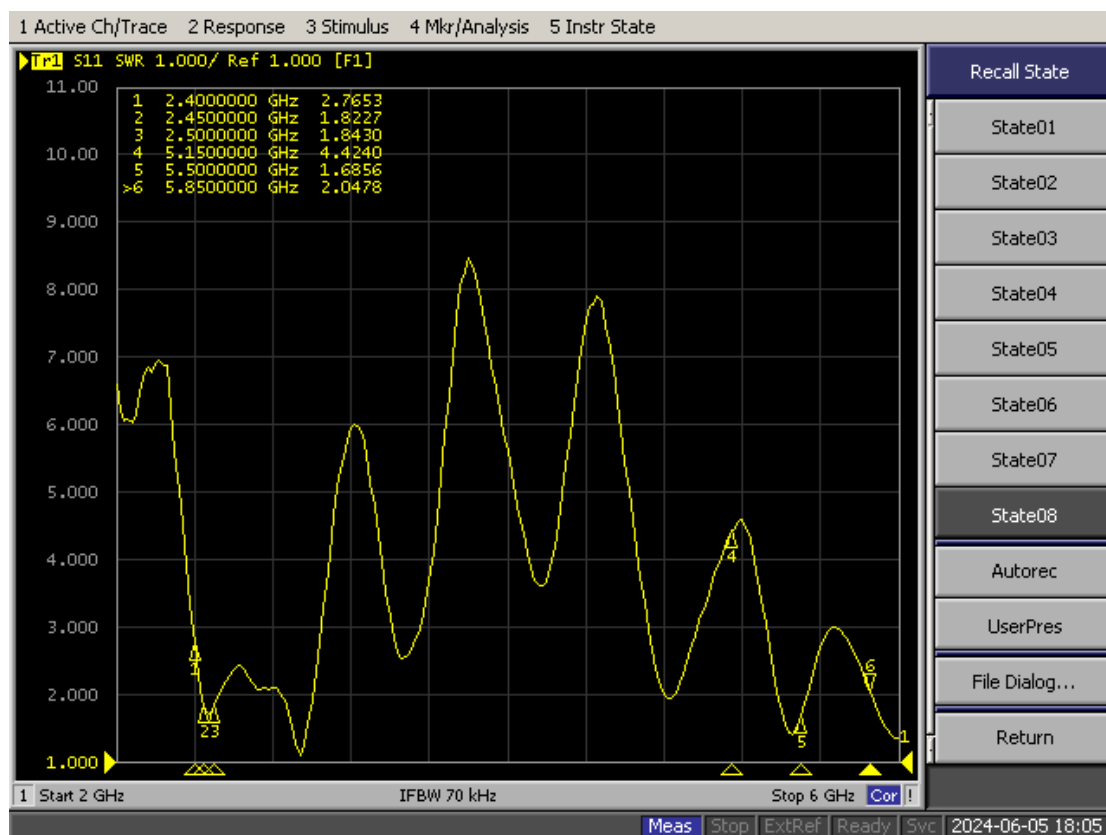
电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500/5150-5850
输入阻抗 Input Impedence (Ω)	50
电压驻波比 V.S.W.R	≤ 2.0 (未匹配设备供参考)
参考增益 Gain (dbi)	3 (未匹配设备供参考)
极化形式 Polarization Type	垂直
辐射方向 Radiation Direction	全向 Omni-Directional
通断测试 Continuity Test	通路
机械指标 Mechanical Specifications	
天线尺寸 Antenna size(mm)	37*9*0.25mm
连接器型号 Connect Type	IPEX 1 代
线材 Cable	RG1.13
工作温度 Operating Temp	-25 ~ +70 °C

产品尺寸图/Product size chart



电气性能测试报告/Electrical performance test

report:VSWR

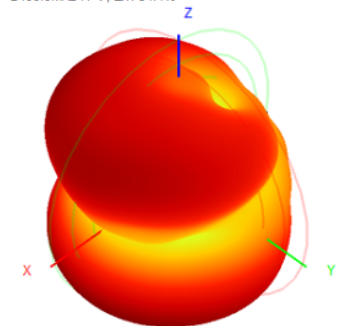


增益与效率/Gain and Efficiency

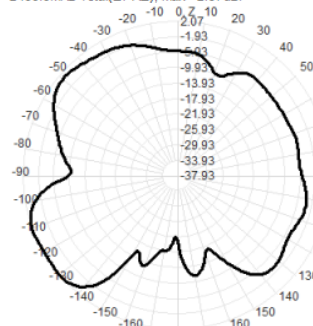
Freq (MHz)	Effi (%)	Gain (dBi)
2400	54.38	2.07
2450	52.58	1.98
2500	59.28	2.67
5150	31.83	0.79
5350	43.23	0.92
5550	56.20	1.24
5850	63.25	1.88

3D&2D 方向图 /Direction diagram

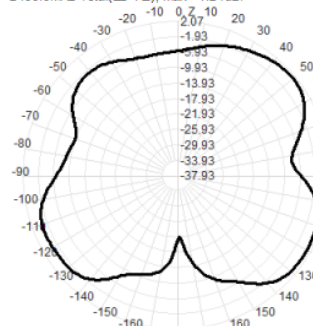
2400.0MHz H+V, Eff: 54.4%



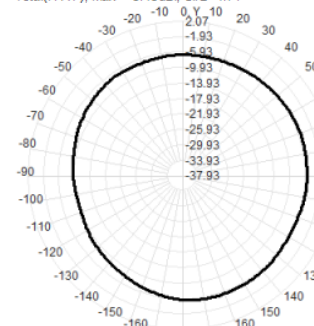
2400.0MHz Total(E1-XZ), Max= 2.07dBi



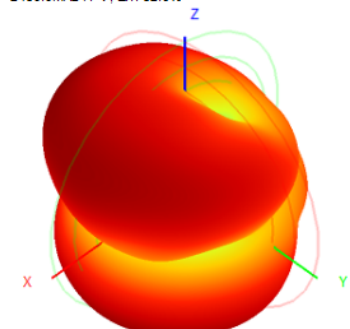
2400.0MHz Total(E2-YZ), Max= 1.24dBi



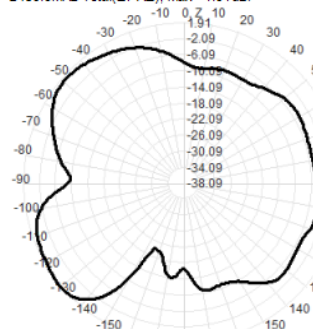
Total(H-XY), Max= -5.45dBi, CirD=4.71



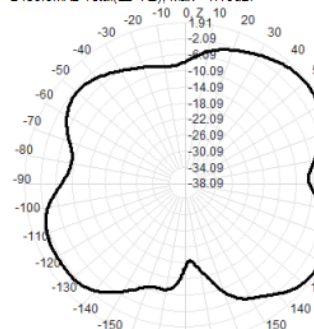
2450.0MHz H+V, Eff: 52.6%



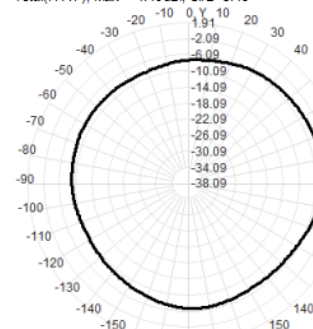
2450.0MHz Total(E1-XZ), Max= 1.91dBi



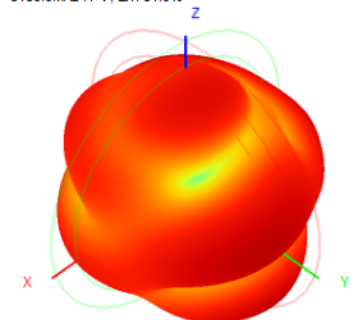
2450.0MHz Total(E2-YZ), Max= 1.16dBi



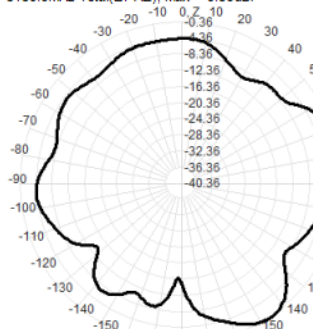
Total(H-XY), Max= -4.48dBi, CirD=5.49



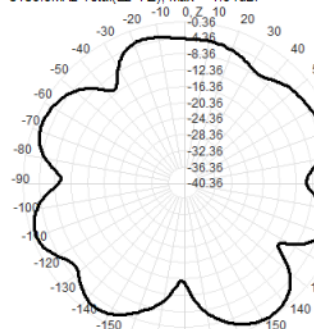
5150.0MHz H+V, Eff: 31.8%



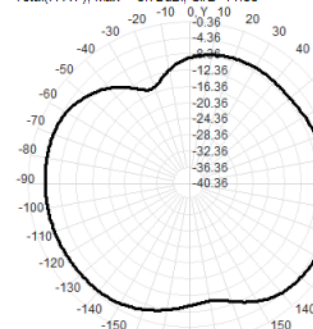
5150.0MHz Total(E1-XZ), Max= -0.36dBi



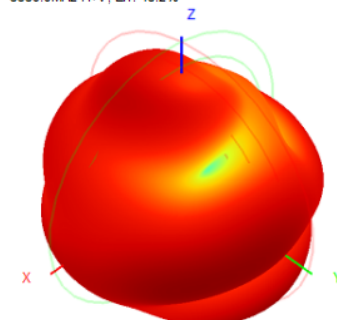
5150.0MHz Total(E2-YZ), Max= -1.04dBi



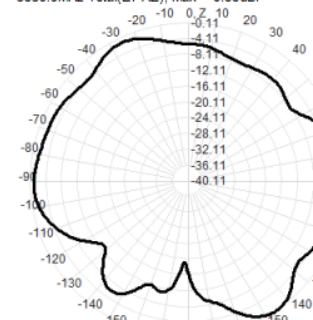
Total(H-XY), Max= -3.72dBi, CirD=11.53



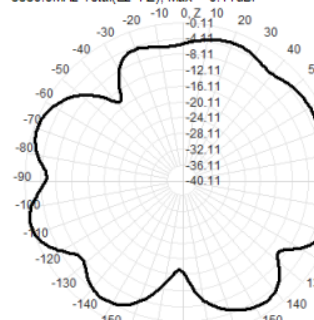
5350.0MHz H+V, Eff: 43.2%



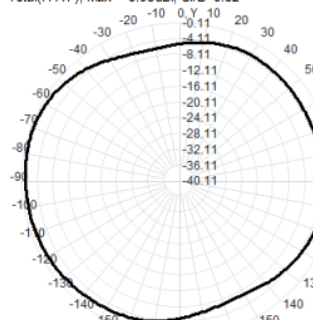
5350.0MHz Total(E1-XZ), Max= -0.33dBi



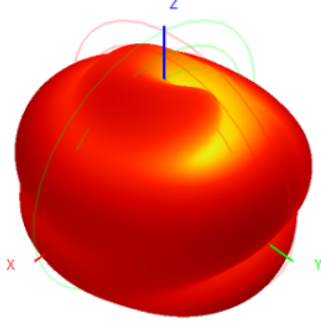
5350.0MHz Total(E2-YZ), Max= -0.11dBi



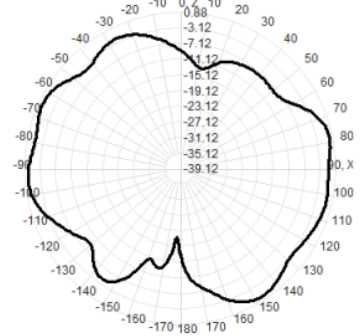
Total(H-XY), Max= -0.83dBi, CirD=6.32



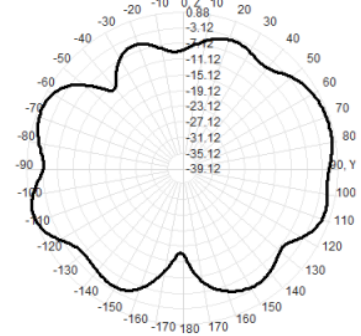
5550.0MHz H+V, Eff: 56.2%



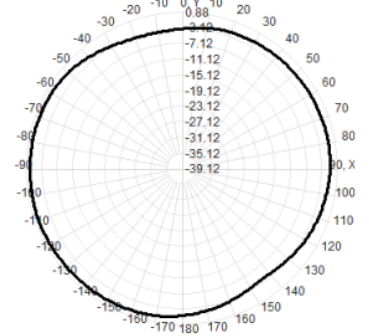
5550.0MHz Total(E1-XZ), Max= -0.02dBi



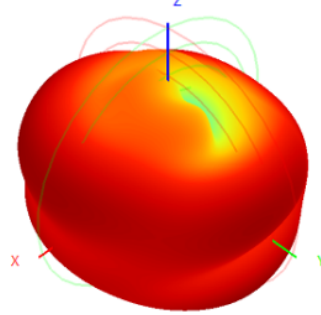
5550.0MHz Total(E2-YZ), Max= 0.88dBi



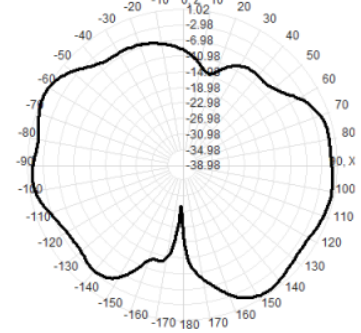
Total(H+V), Max= -0.12dBi, CirD=4.16



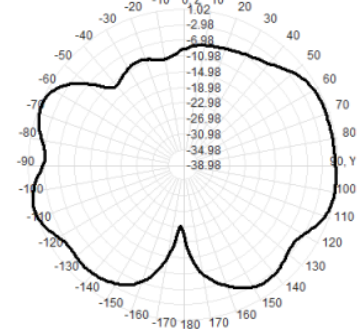
5850.0MHz H+V, Eff: 63.3%



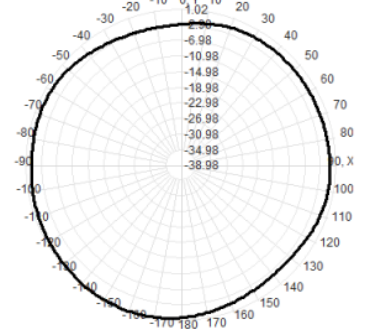
5850.0MHz Total(E1-XZ), Max= 0.91dBi



5850.0MHz Total(E2-YZ), Max= 1.02dBi



Total(H+V), Max= 0.72dBi, CirD=3.90



产品实拍图片/Pictures of the product

