

规格书

specification

客户名称/Customer: _____

客户料号/Material No: _____

科信料号/Material No: : NZ24G58G0018

规格描述/Specification description: 2.4/5.8G内置FPC50*14-6CM-IPEX代(端子朝上)

制作日期/Date: 2025年1月14日

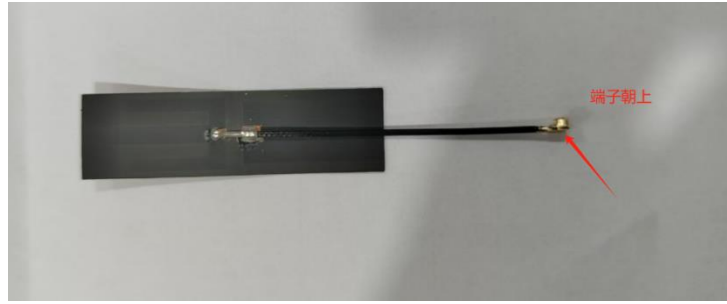
出厂确认/Factory confirmation:

部门/Dept	审核/Auditor	批准/Approver
射频部/Radio frequency	刘景雄	李斌
结构部/Structure	李志晓	李斌
品质部/Quality	王飞	李斌

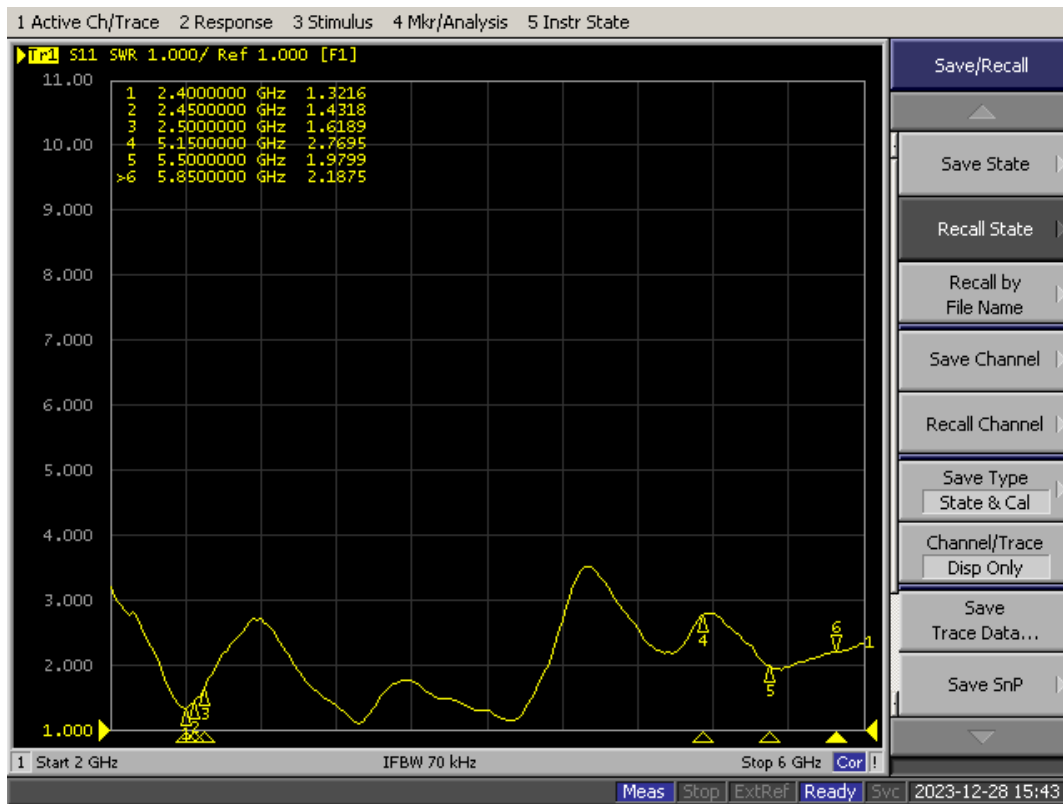
客户确认/Customer confirmation:

检查/Checker	审核/Auditor	批准/Approver

1. 产品图片/Product picture:



2. 电气性能测试报告/Electrical performance test report: VSWR:

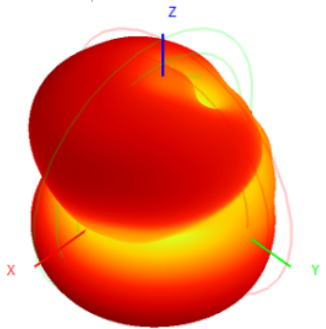


增益与效率/Gain and Efficiency

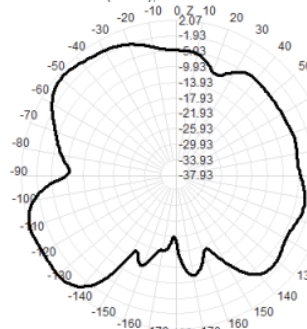
Freq (MHz)	Effi (%)	Gain (dBi)
2400	54.38	2.07
2450	52.58	1.98
2500	59.28	2.67
5150	31.83	0.79
5350	43.23	0.92
5550	56.20	1.24
5850	63.25	1.88

3D&2D 方向图 /Direction diagram

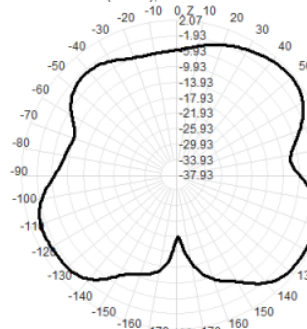
2400.0MHz H+V, Eff: 54.4%



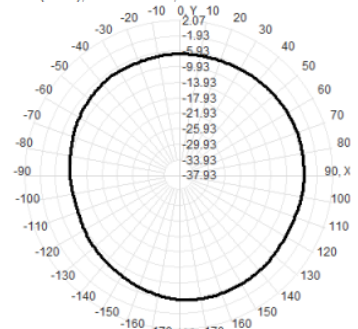
2400.0MHz Total(E1-XZ), Max= 2.07dBi



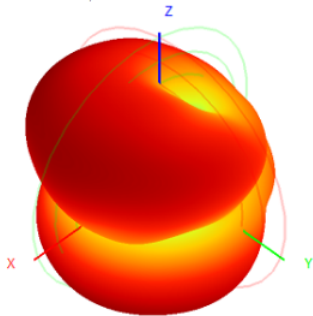
2400.0MHz Total(E2-YZ), Max= 1.24dBi



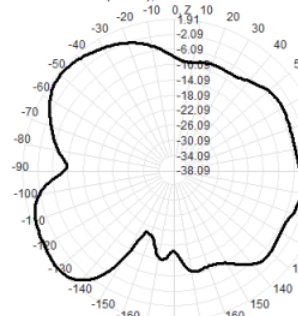
Total(H-XY), Max= -5.45dBi, CirD=4.71



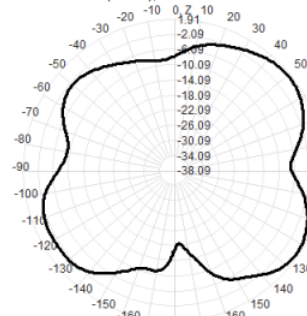
2450.0MHz H+V, Eff: 52.6%



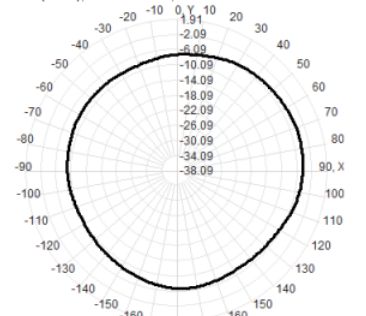
2450.0MHz Total(E1-XZ), Max= 1.91dBi



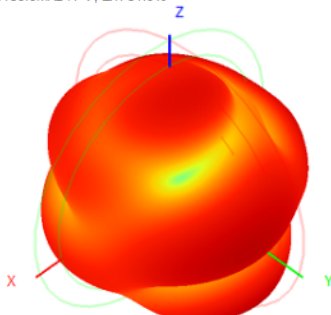
2450.0MHz Total(E2-YZ), Max= 1.16dBi



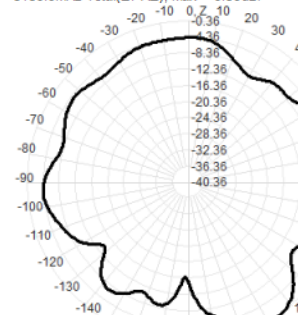
Total(H-XY), Max= -4.48dBi, CirD=5.49



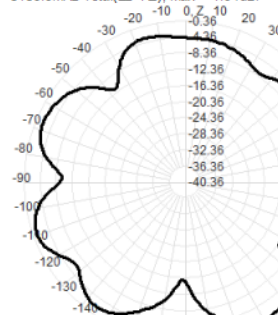
5150.0MHz H+V, Eff: 31.8%



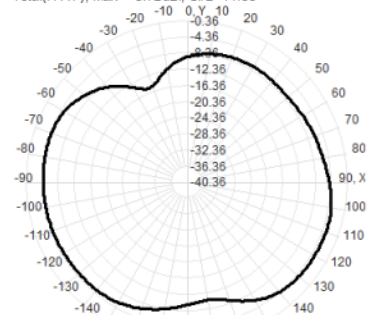
5150.0MHz Total(E1-XZ), Max= -0.36dBi



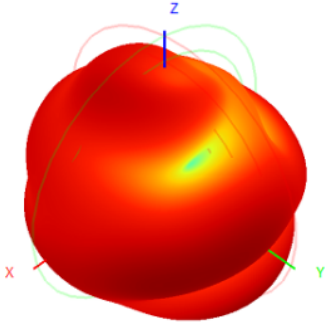
5150.0MHz Total(E2-YZ), Max= -1.04dBi



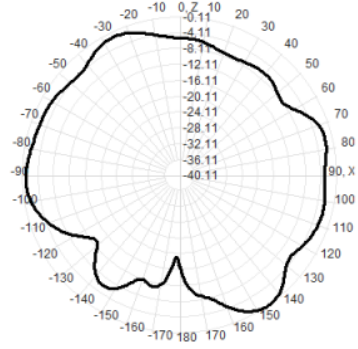
Total(H-XY), Max= -3.72dBi, CirD=11.53



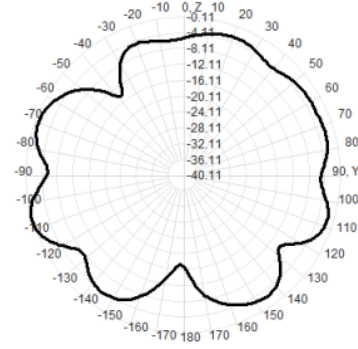
5350.0MHz H+V, Eff: 43.2%



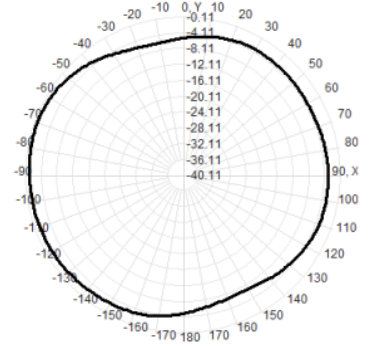
5350.0MHz Total(E1-XZ), Max=-0.33dBi



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



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



3. 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	<3.0 (未匹配设备, 仅供参考)
增益Gain (dBi)	2.0 (未匹配设备, 仅供参考)
极化形式Polarization Type	垂直Vertical
最大功率Maximum power(W)	10W
垂直面波瓣角度Vertical lobe Angle (E)	45~60°
水平面波瓣角度Water plane lobe Angle (H)	360°
机械指标Mechanical Specifications	
天线材质Material	FPC
连接器型号Connect Type	IPEX(1代)
天线尺寸Size	50*14*0.3MM
工作温度Operating Temp	-25 ~ +75 °C