

SHENZHEN CAY TECHNOLOGY CO., LTD

承 认 书

客户名称: _____

客户料号: _____

科信料号: _____ KX-2.4G-42-FPC

规格描述: _____ FPC : 42*12

制作日期: _____ 2022年12月23日

出厂确认:

部 门	审 核	批 准
射频部	刘景雄	李斌
结构部	刘景雄	李斌
品质部	王飞	李斌

客户确认:

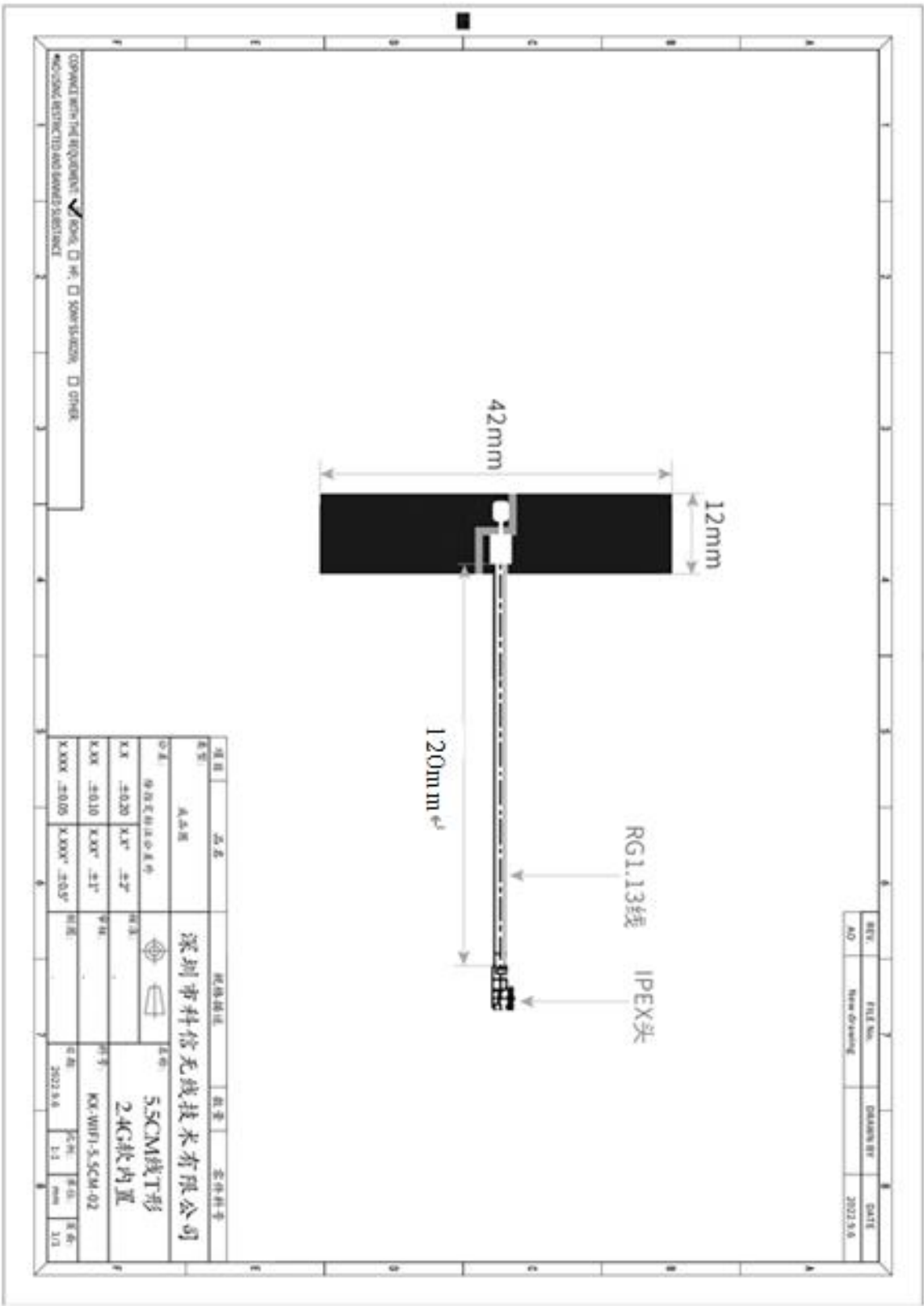
检 查	审 核	批 准

Manufacturer: SHENZHEN CAY TECHNOLOGY CO., LTD
Address: 3/F, 4Block, Hongfa Hi Tech Ave., Shiyan,
Bao'an District, Shenzhen

Product performance parameter

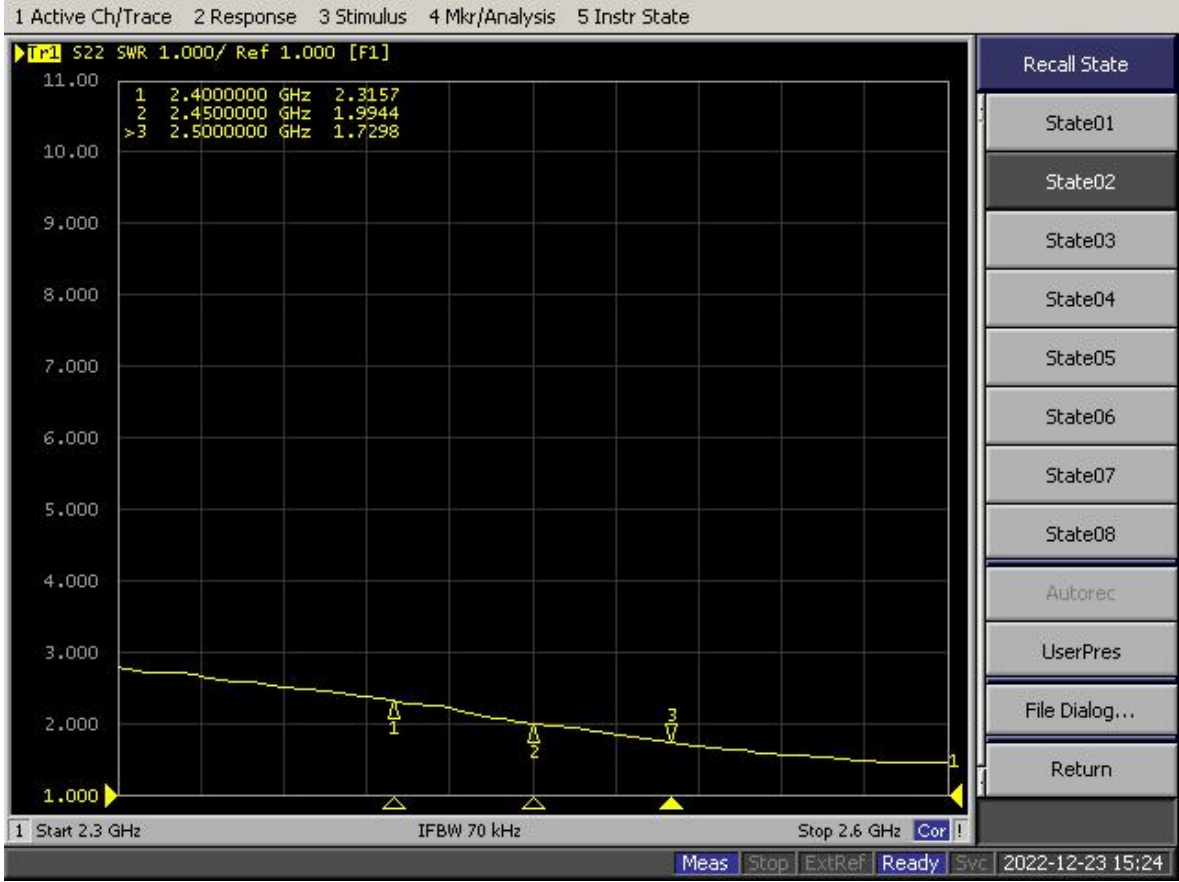
电性能指标Electrical Specifications	
频率范围Frequency Range (MHz)	2400～2500
带宽Band Width(MHz)	100
输入阻抗Input Impedence (Ω)	50
电压驻波比V.S.W.R	≤2.0
增益Gain (dBi)	2±0.5（未匹配设备，仅供参考）
极化形式Polarization Type	线性极化(Linear)
最大功率Maximum power(W)	2W
垂直面波瓣角度Vertical lobe Angle（E）	28～50°
水平面波瓣角度Water plane lobe Angle（H）	360°
机械指标Mechanical Specifications	
天线材质Material	FPC
连接器型号Connect Type	IPEX一代（RG1.13线）
天线尺寸Size	42*12mm
工作温度Operating Temp	-20 ～ +65 °C
储存温度Storage Temp	-30 ～ +75°C

Product structure drawing



Electrical performance test report

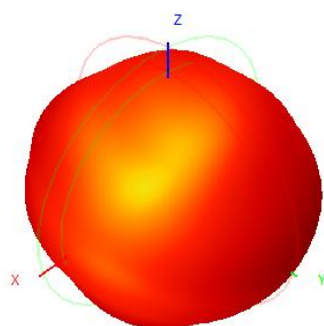
VSWR



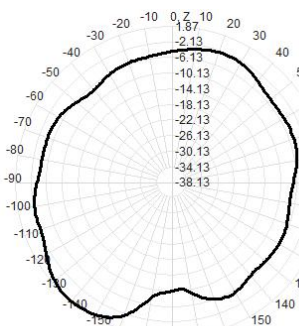
Efficiency & Gain

Frequency (MHz) (工作频段)	Efficiency (%) (效率)	Peak Gain (dBi) (增益)
2400	60.90	1.88
2410	60.08	1.84
2420	60.85	1.79
2430	57.66	1.51
2440	55.80	1.59
2450	57.22	2.00
2460	55.98	2.16
2470	55.28	2.23
2480	57.12	2.34
2490	58.46	2.28
2500	60.28	2.38

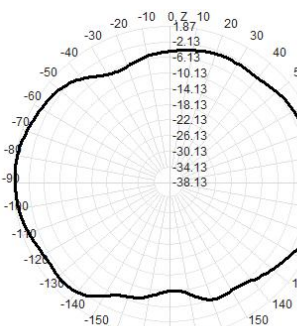
2D&3D directional diagrams



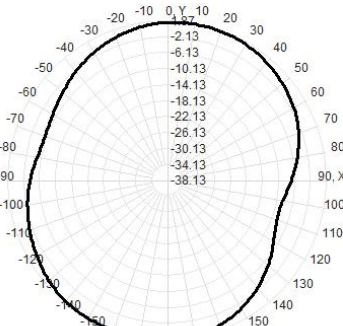
2400MHz



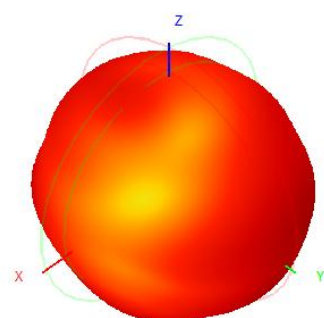
E1



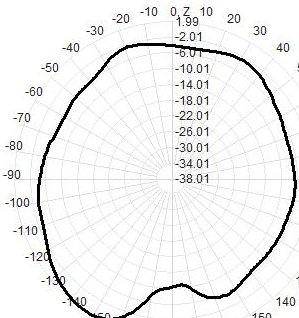
E2



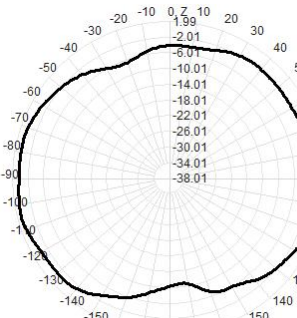
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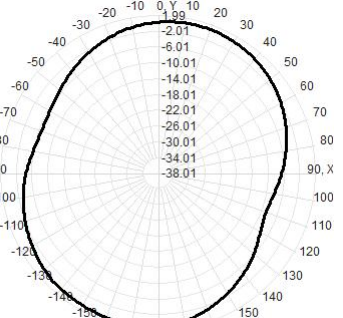
2450MHz



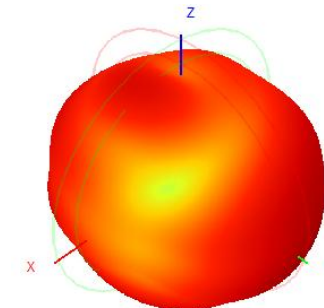
E1



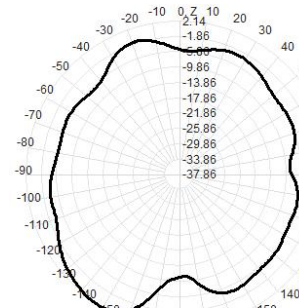
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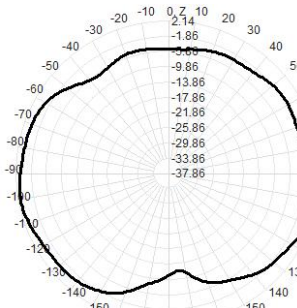
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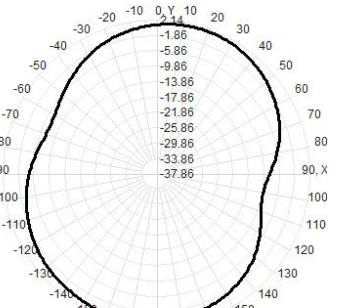
2500MHz



E1



E2



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