



东莞市卓信电子科技有限公司

Dongguan Zhuoxin Electronic Technology Co., Ltd

公司地址：东莞市塘厦镇蛟乙塘银园街5号厂房2楼

Company address: Dongguan City Tangxia Town mosquito Yitang Yinyuan Street No. 5 workshop 2 floor

承认书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME: 茂盈

产 品 名 称

PRODUCT NAME: 组装机 5G&2.4G/5DB 翅膀型内部铜管结构黑
25*174mm 线长 53MM 线径 1.13MM 带 IPEX 座（右）

客 户 料 号

CUSTOMER P/N: 101205000000002

卓 信 料 号

Zhuo Xin P/N: REV: A

内部结构

Internal structure:

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Andy	
AUDITOR BY:	王国行	
APPROVED BY:	郭亮	
DATE:	2024-4-10	

[illegible]



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产品主要技术参数

Main technical specifications

主要技术指标		Main technical specifications	
频率范围 (GHZ)	2. 4&5	Frequency Range (GHZ)	2. 4&5
中心频率 特性阻抗 (Ω)	50	Impedance(Ω)	50
增益(dBi)	2 ± 0.5	Gain(dBi)	2 ± 0.5
输出电压 驻波比	≤ 2.0	VSWR	≤ 2.0
极化方式	线极化	Polarization	Linear
方向性	全向性	Radiation	Omni-directional
物理性能		Physical Properties	
天线本体 材料	ABS	Antenna Base	ABS
工作温度	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$	Operating Temp	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
保存温度	$-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$	Storage Temp	$-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$



卓信
电子科技

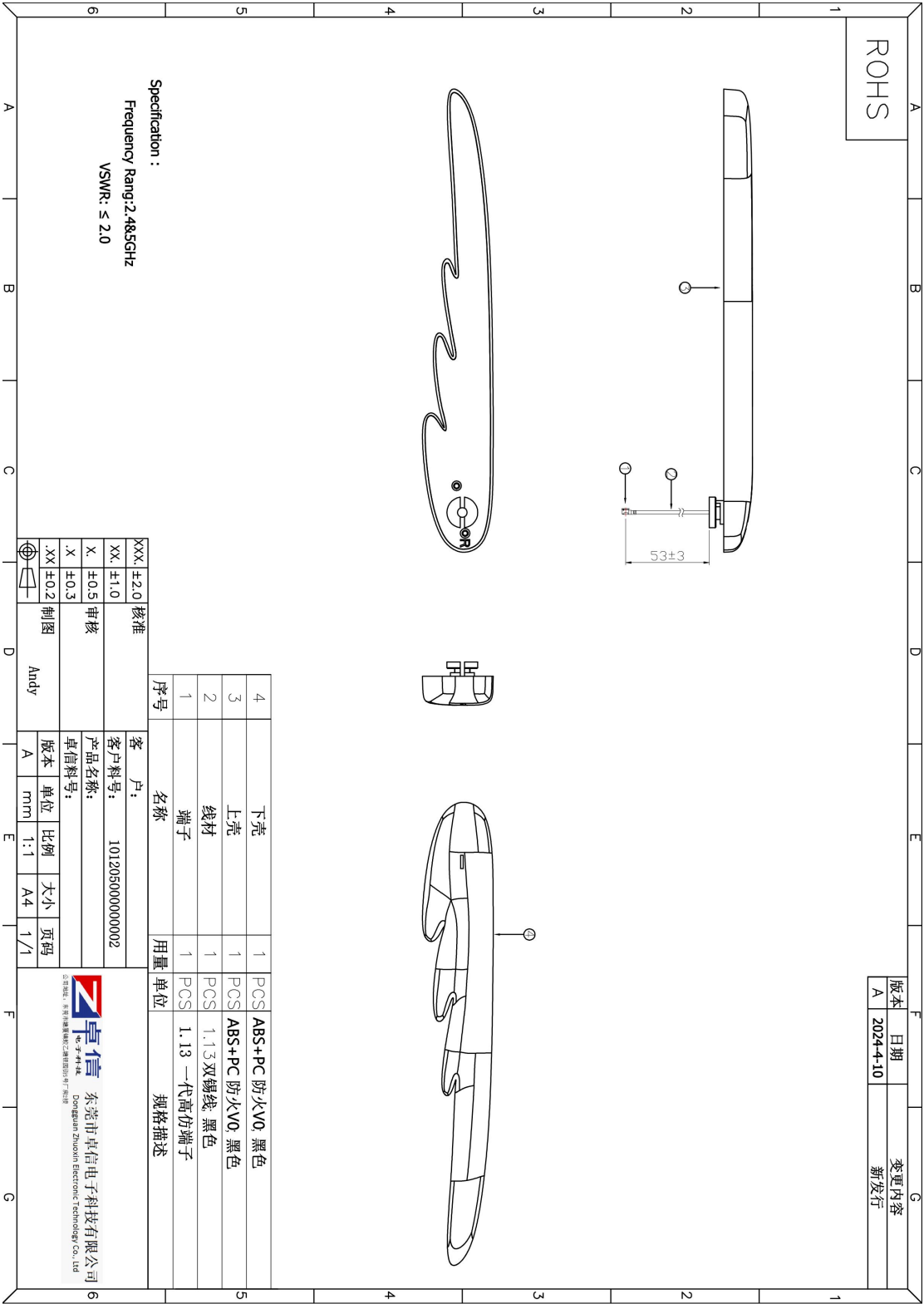
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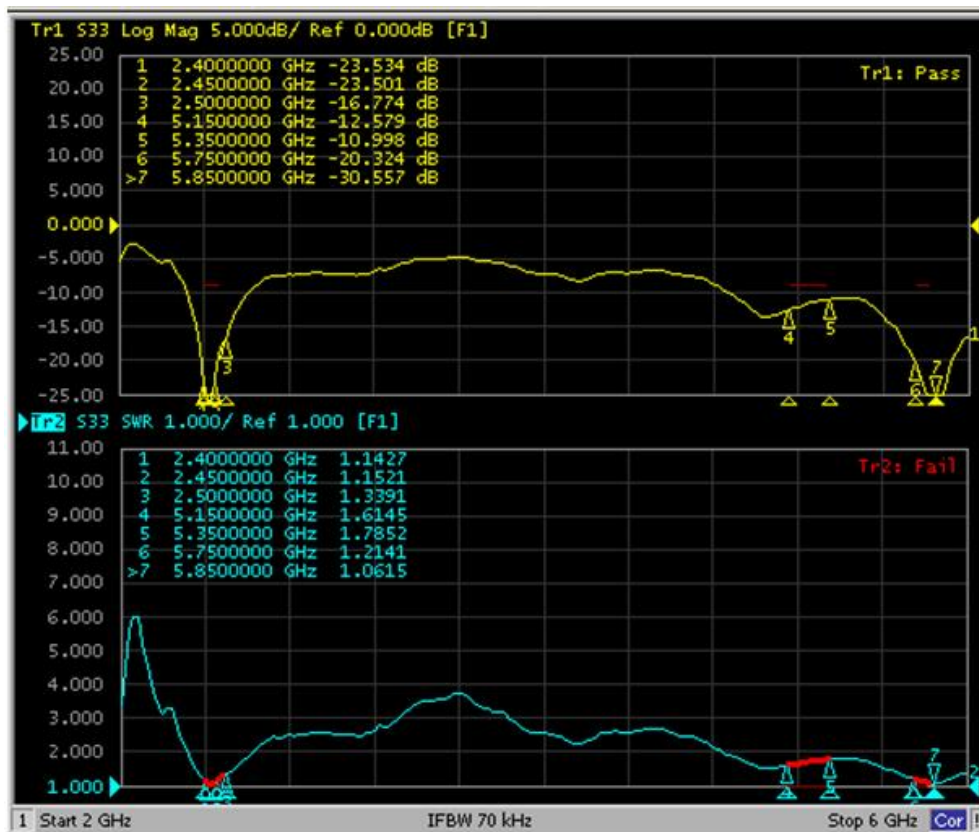
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5、成品图【End product chart】：



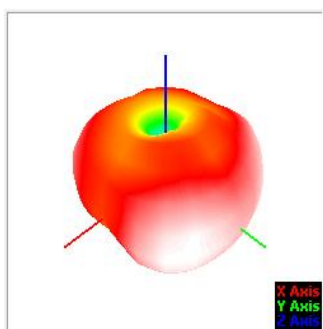
6、测试报告【Testing report】

6.1 网络分析仪测试报告

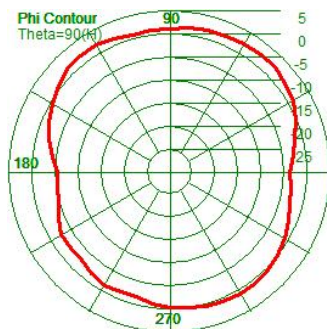


频率(MHz)	Return Loss(dB)	VSWR
2400	-23.53	1.14
2450	-23.5	1.15
2500	-16.77	1.33
5150	-12.57	1.61
5350	-10.99	1.78
5750	-20.32	1.21
5850	-30.55	1.06

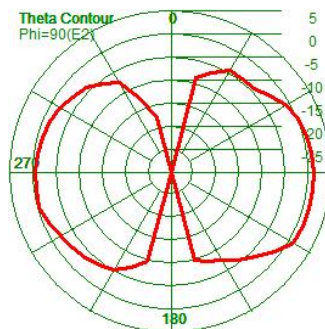
6.2: 暗室 2D、3D Radiation Pattern, 效率及增益



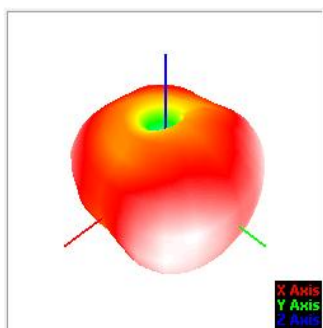
2.4GHz



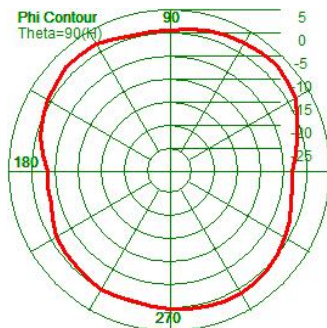
Gain:2.17 dBi



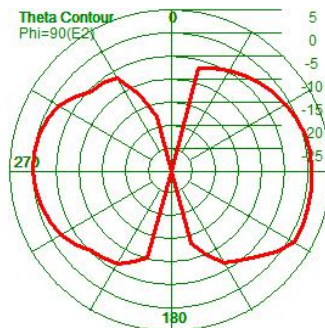
Efficiency: 75.3%



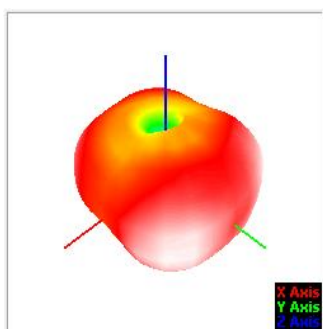
2.45GHz



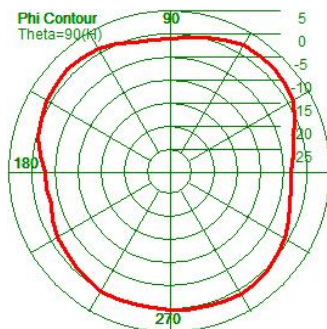
Gain:2.09dBi



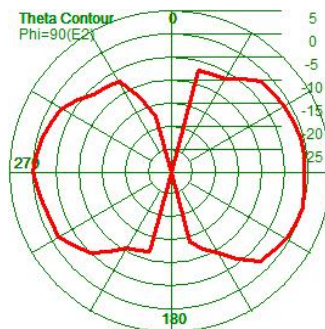
Efficiency: 76.4%



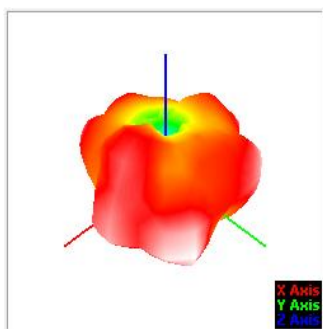
2.5GHz



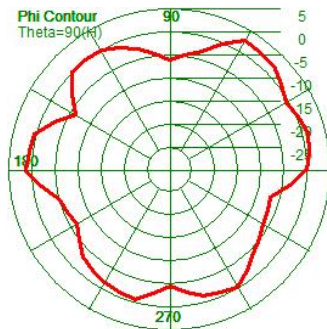
Gain: 2.33dBi



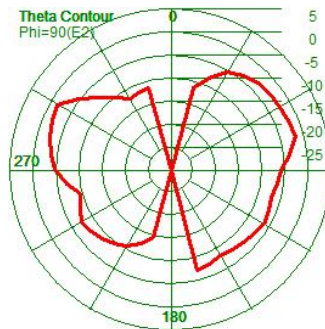
Efficiency: 75.4%



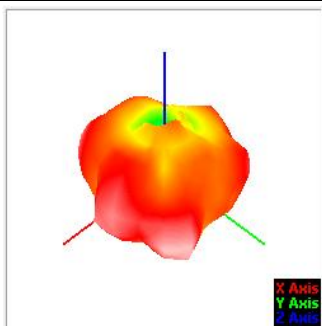
5.15GHz



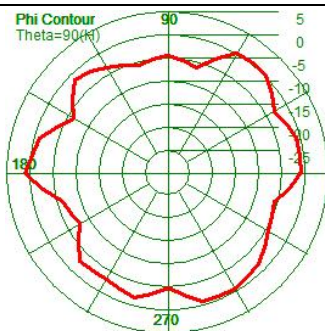
Gain:2.27 dBi



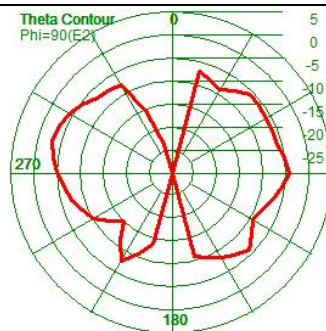
Efficiency: 62.9%



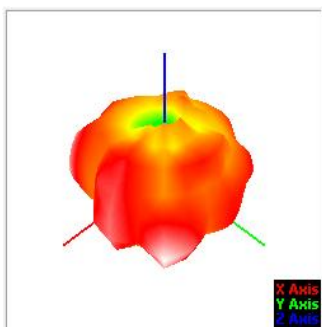
5.35GHz



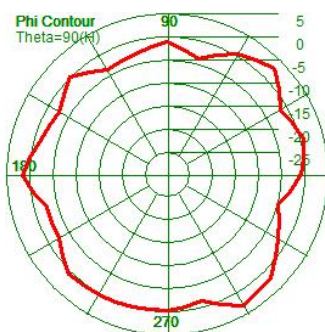
Gain:1.92dBi



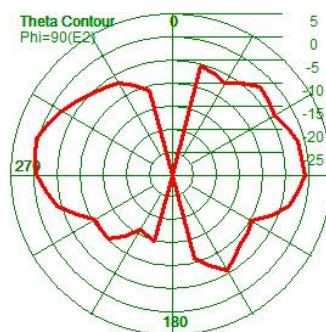
Efficiency: 63.7%



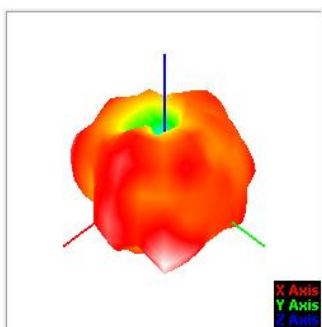
5.75GHz



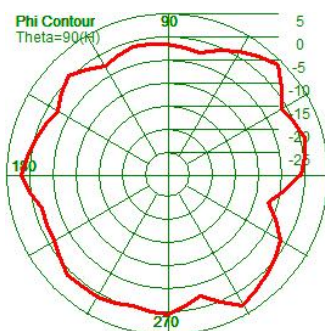
Gain: 1.83dBi



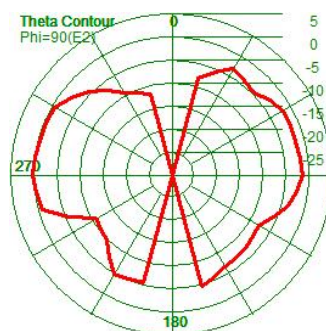
Efficiency: 64.2%



5.85GHz



Gain:2.17dBi



Efficiency: 65.4%