



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6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: 组装天线 5G&2.4G/5DB 翅膀型内部铜管结构黑

25*174mm 线长 73MM 线径 1.13MM 带 IPEX 座(左)

客 户 料 号

CUSTOMER P/N: 101205000000001

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	$-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$



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5、成品图【End product chart】：

ROHS

73±3

4

3

2

4	下壳	1	PCS	ABS+PC 防火V0, 黑色
3	上壳	1	PCS	ABS+PC 防火V0, 黑色
2	线材	1	PCS	1.13 双锡线 黑色
1	端子	1	PCS	1.13 一代高仿端子

客 户：

客户料号： 1012050000000001

产品名称：

卓信料号：

版本 单位 比例 大小 页码

A mm 1:1 A4 1/1

核准

XX: ±2.0

XX: ±1.0

X: ±0.5 审核

X: ±0.3

.XX ±0.2 制图

Andy

Specification :

Frequency Rang:2.485GHz

VSWR: ≤ 2.0

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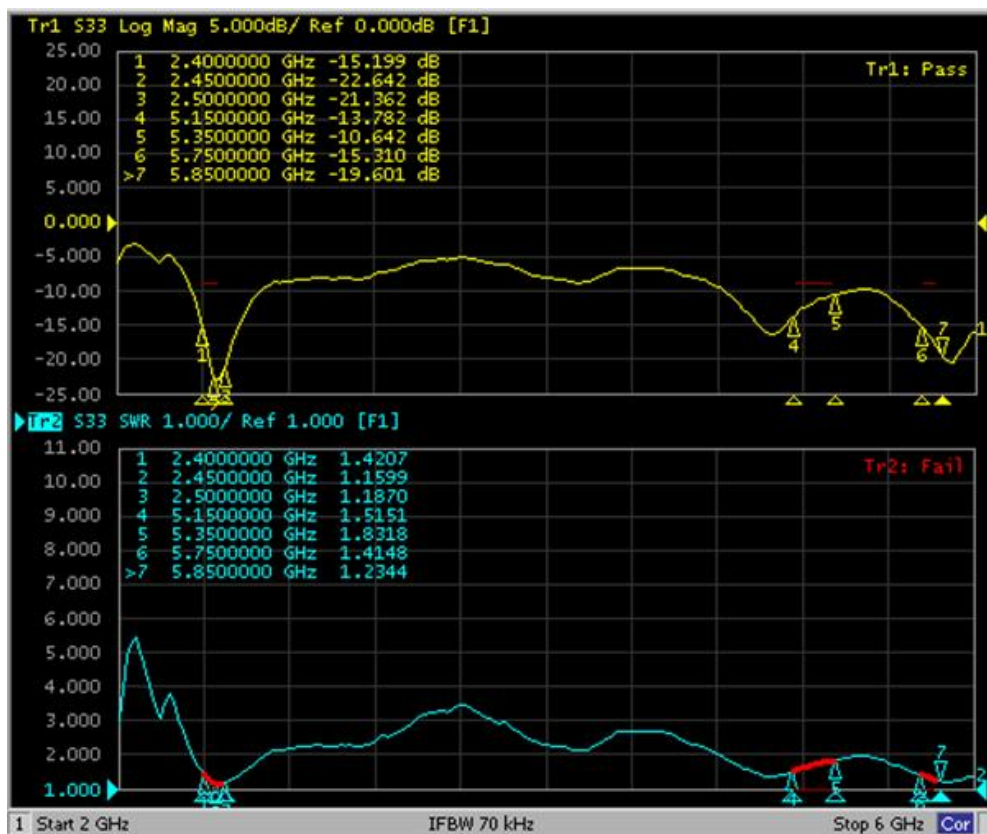
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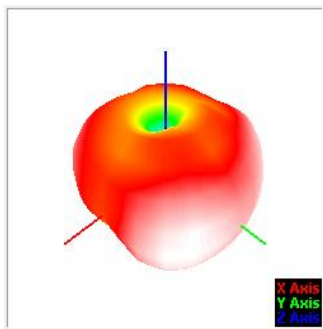
6、测试报告【Testing report】

6.1 网络分析仪测试报告

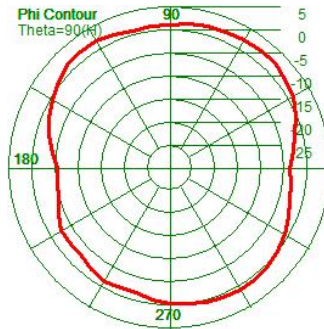


频率(MHz)	Return Loss(dB)	VSWR
2400	-15.19	1.42
2450	-22.64	1.15
2500	-21.36	1.18
5150	-13.78	1.51
5350	-10.64	1.83
5750	-15.31	1.41
5850	-19.6	1.23

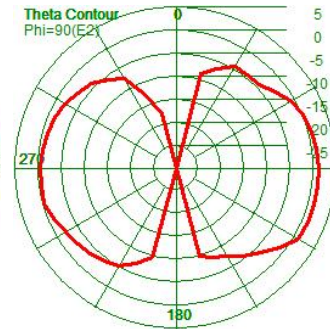
6.2: 暗室 2D、3D Radiation Pattern, 效率及增益



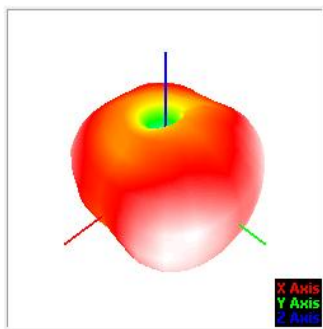
2.4GHz



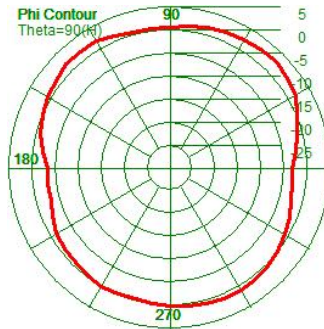
Gain:2.33 dBi



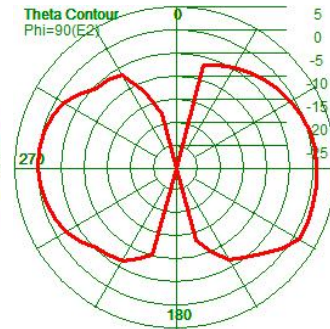
Efficiency: 75.7%



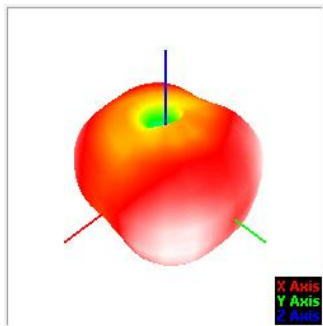
2.45GHz



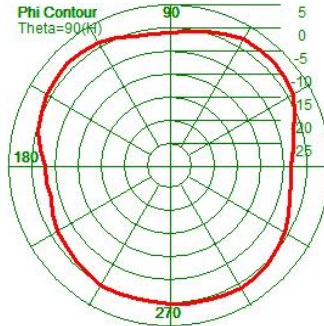
Gain:2.27dBi



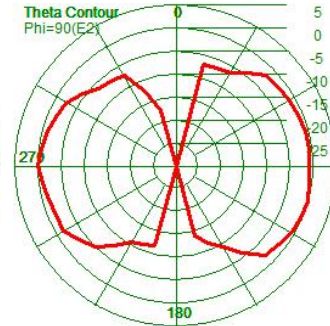
Efficiency: 75.4%



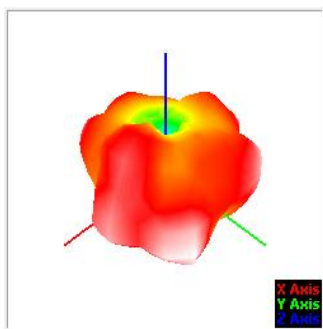
2.5GHz



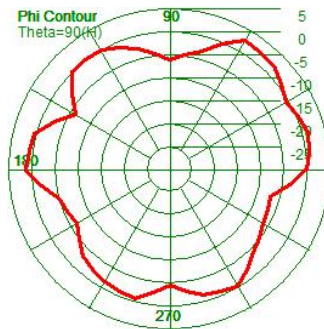
Gain: 2.12dBi



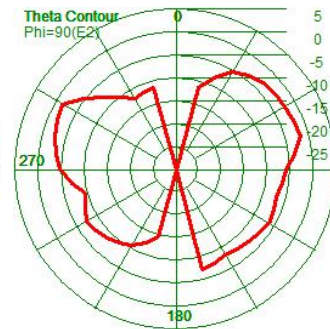
Efficiency: 76.1%



5.15GHz



Gain:2.15 dBi



Efficiency: 60.7%

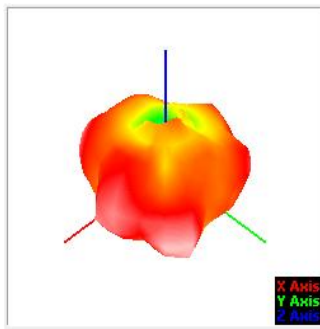


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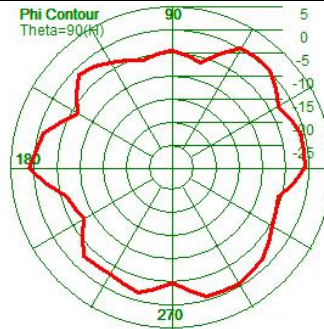
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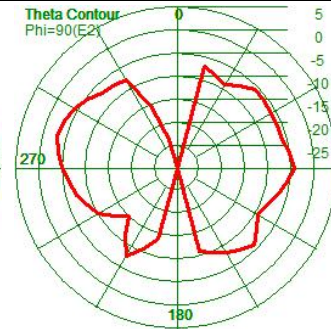
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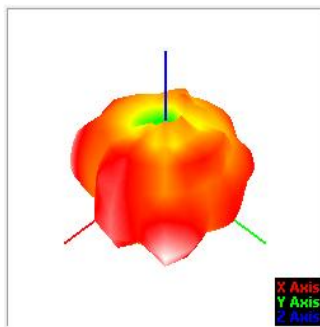
5.35GHz



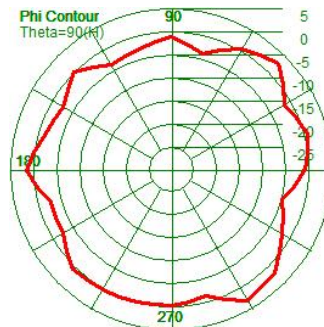
Gain:1.78dBi



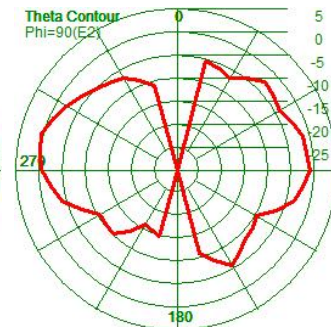
Efficiency: 64.2%



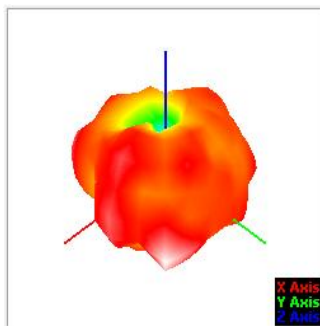
5.75GHz



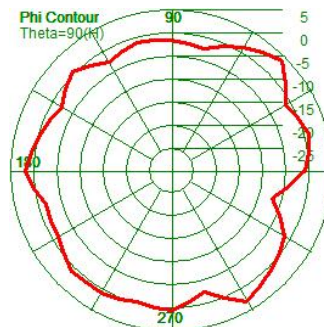
Gain: 1.97dBi



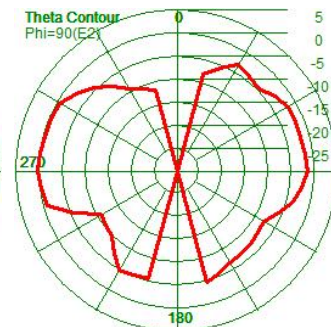
Efficiency: 62.6%



5.85GHz



Gain:2.06dBi



Efficiency: 65.2%