

深圳市欧源通科技有限公司

承 认 书

SPECIFICATION FOR APPROVAL

客户名称: 宝华电子

CUSTOMER NAME:

产品名称: 2.4G/5.8G 双频 3DB 六环 SMA 母针黑色天线

PRODUCT NAME:

客户料号:

CUSTOMER P/N:

公司料号:

P/N:

REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:	刘亚龙	
APPROVED BY:		
DATE:	2022-3-14	

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一. 概述

这是一款 2.4G/5.8G 双频于一体的外置天线，可广泛应用于智能家居、车载移动终端、安防、通信基站等场合。本天线体积小，易于安装。保证在恶劣电磁环境下正常工作。天线具有增益高，抗干扰。可长期室内室外工作。

二. 规格表:

产品主要技术参数

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400~2500 5150~5825	Frequency Range (MHZ)	2400~2500 5150~5825
特性阻抗(Ω)	50 \pm 10	Impedance(Ω)	50 \pm 10
增益(dBi)	3 \pm 0.5	Gain(dBi)	3 \pm 0.5
输出电压 驻波比	\leq 2.0	VSWR	\leq 2.0
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear,Vertical
连接方式	SMA	Connector Type	SMA
物理性能		Physical Properties	
天线本体材料	TPE	Antenna Base	TPE
工作温度	-20 $^{\circ}$ C~+65 $^{\circ}$ C	Operating Temp	-20 $^{\circ}$ C~+65 $^{\circ}$ C
保存温度	-30 $^{\circ}$ C~+75 $^{\circ}$ C	Storage Temp	-30 $^{\circ}$ C~+75 $^{\circ}$ C

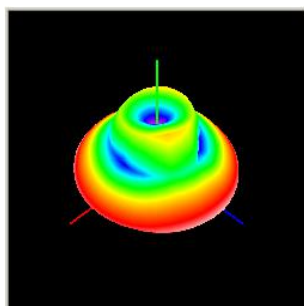
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三. 测试报告

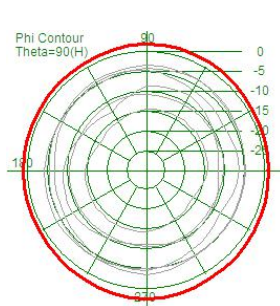
3.1: 网络分析仪测试报告:



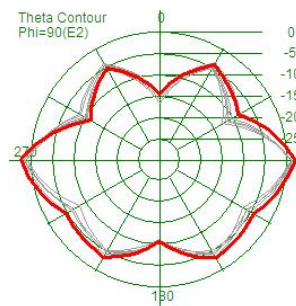
3.2: 暗室 2D、3DRaditation Pattern



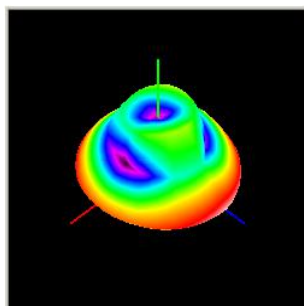
2.4GHz



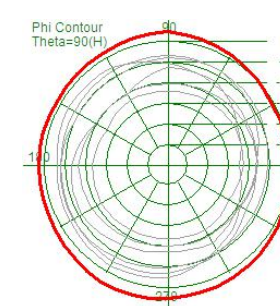
Gain: 3.41dBi



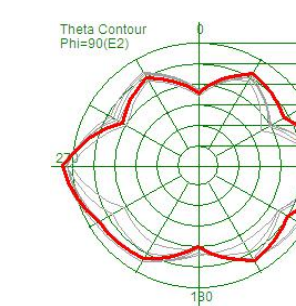
Efficiency:55.25%



2.45GHz

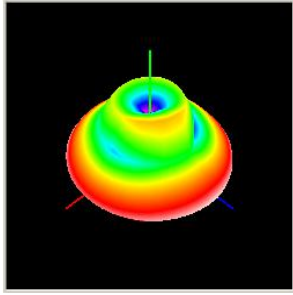


Gain: 3.34dBi

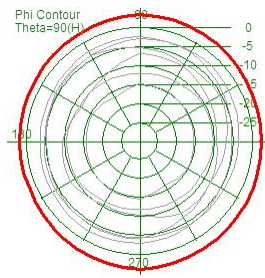


Efficiency:64.32%

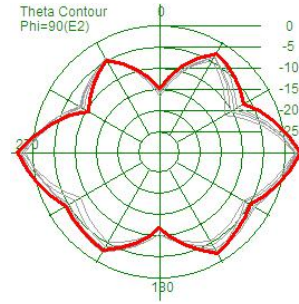
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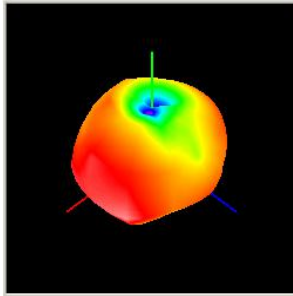
2.5GHz



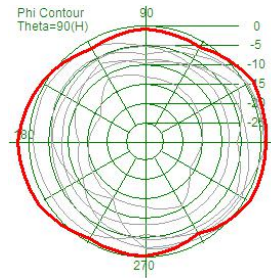
Gain: 3.12dBi



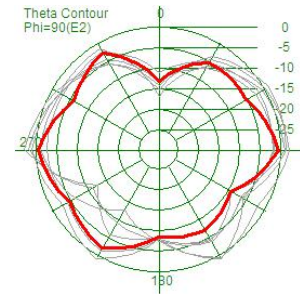
Efficiency: 67.12%



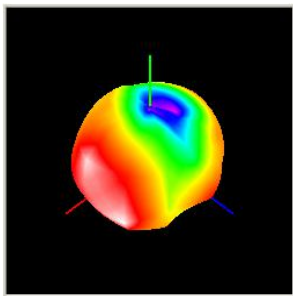
5.15GHz



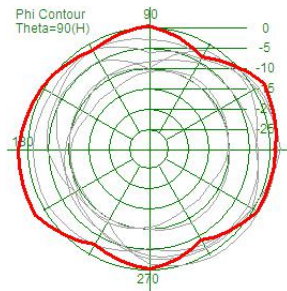
Gain: 2.89dBi



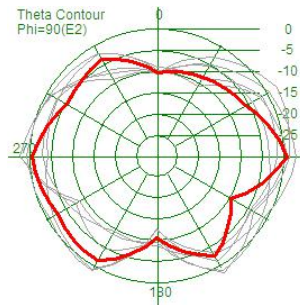
Efficiency: 57.66%



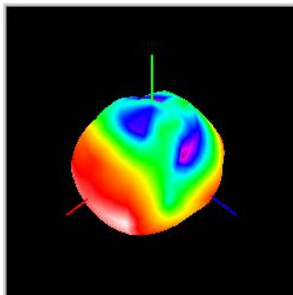
5.35GHz



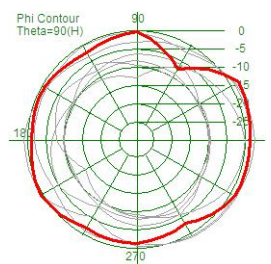
Gain: 2.98dBi



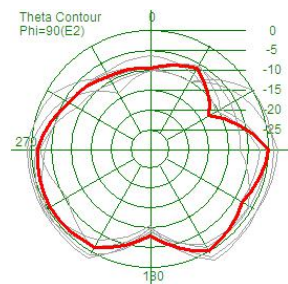
Efficiency: 63.55%



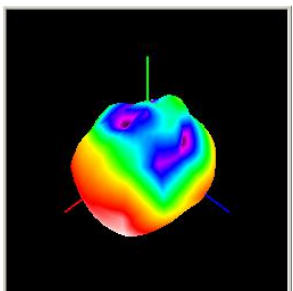
5.75GHz



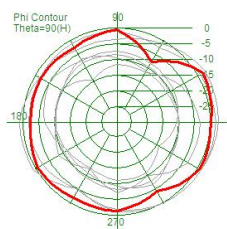
Gain: 3.33dBi



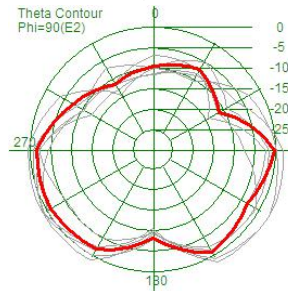
Efficiency: 68.55%



5.825GHz



Gain: 3.55dBi



Efficiency: 67.88%

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四：测试设备：



五. 天线结构图及实物 (mm):



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