



公司地址：东莞市塘厦镇清湖头三坑工业区1号

东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

电话：0769-38940168 传真：0769-39010966 网址：http://rflink.net.cn

承认书

SPECIFICATION FOR APPROVAL

客户名称:

CUSTOMER NAME: 共进 (AX53)

产品名称

PRODUCT NAME: 2.4/5G 黑色外置天线 外露L=135mm

客户料号

CUSTOMER P/N:

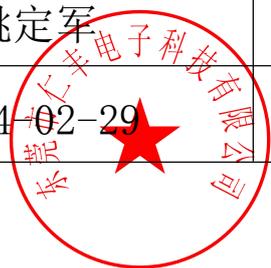
仁丰料号

Ren Feng P/N: U00T01S039N04308 REV: A

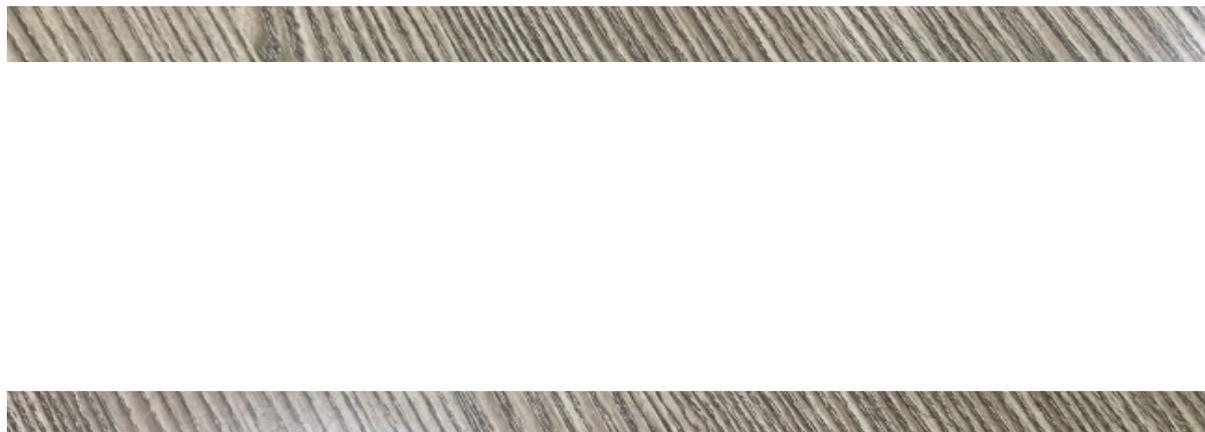
内部结构

Internal structure: PCB

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	黄磊	
AUDITOR BY:	黄超	
APPROVED BY:	姚定军	
DATE:	2024-02-29	



实物照片：



一、电气参数 (Electrical parameters)

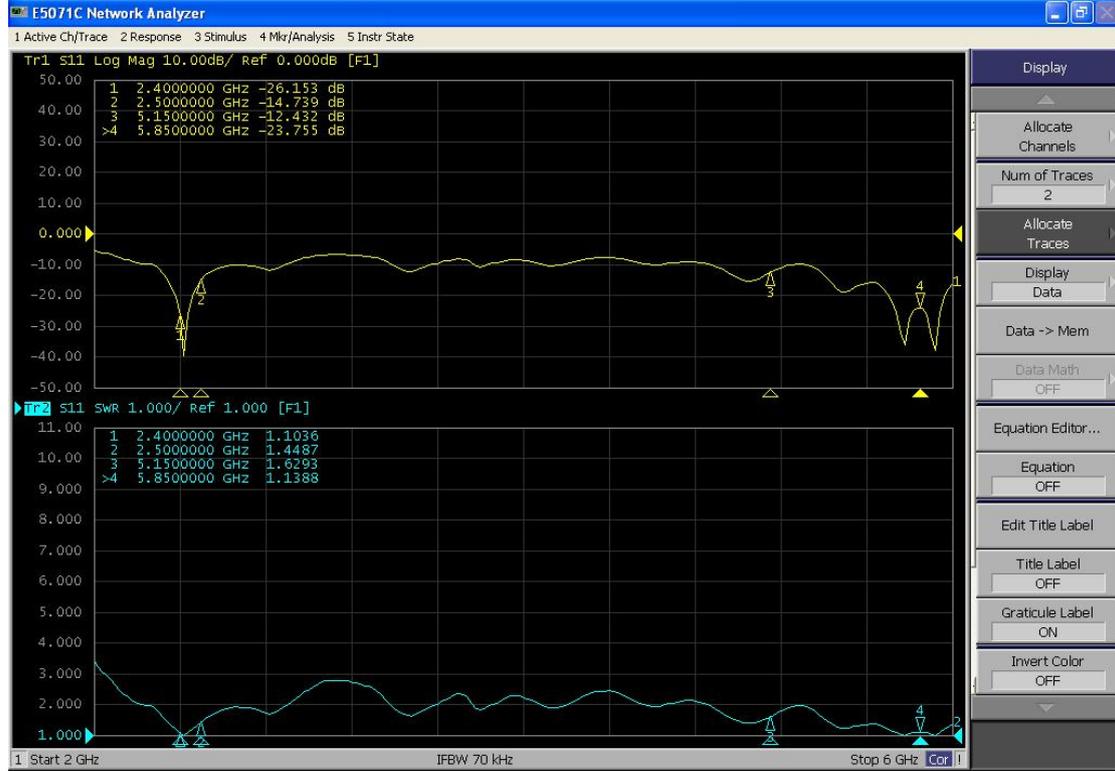
Frequency 频率范围	2400-2500MHz 5150-5850MHZ
Impedance 特性阻抗	50Ω±10
S.W.R. 电压驻波比	≤2.0
Antenna Gain 增益	2.4G 2.55 5.8G 2.57
Polarization 极化形式	Linear, Vertical
HPBW (Degree) 垂直面半功率波束 (°)	74
Electrical downtilt 电倾角(°)	(0 ~ 10) ± 1
Return Loss 回波损耗	-9.5dB Max.

机械参数 (Mechanical parameters)

Antenna bending life 天线弯折寿命	≥200 Cycles; ≤5 Cycles 推力(Thrust) ≥170 g/f (测试要求参考说明 1)
Cable Type 射频线型号	1.37 同轴线
Material of Plastic 塑胶材质	杆套(TPEE)/下固(PC)/上固 (PC+ABS) /铆钉(POM)
weight 重量	15.50g

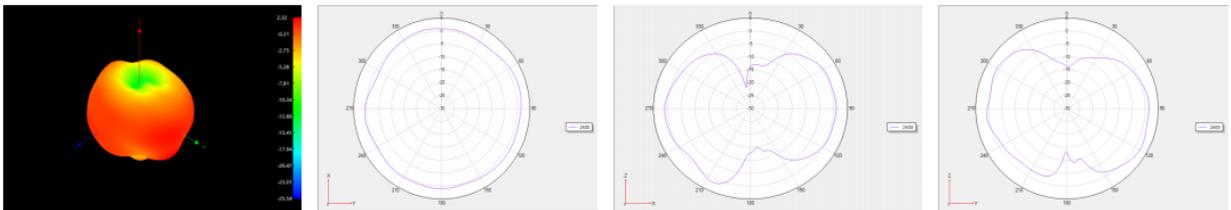
3. 测试报告

3.1: 网络分析仪测试报告

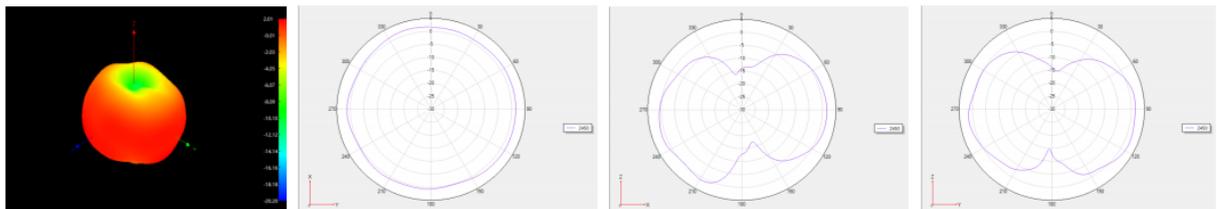


3.2: 暗室 2D、3DRaditation Patter

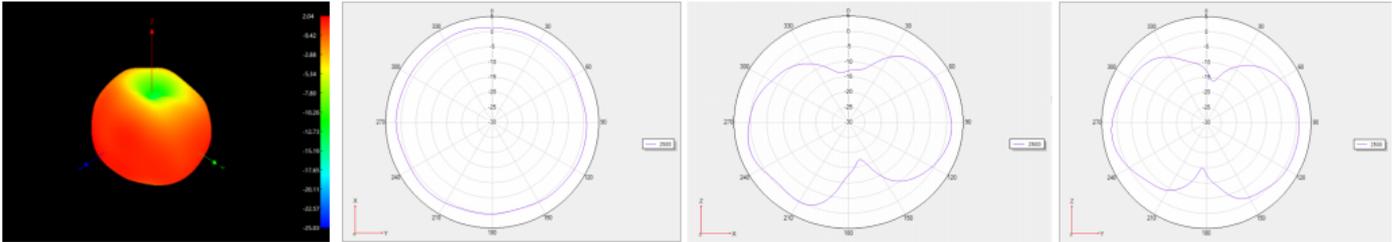
2400MHz



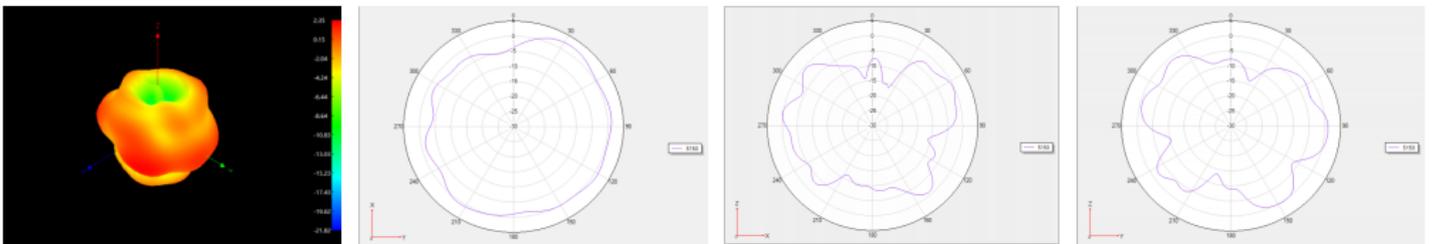
2450MHz



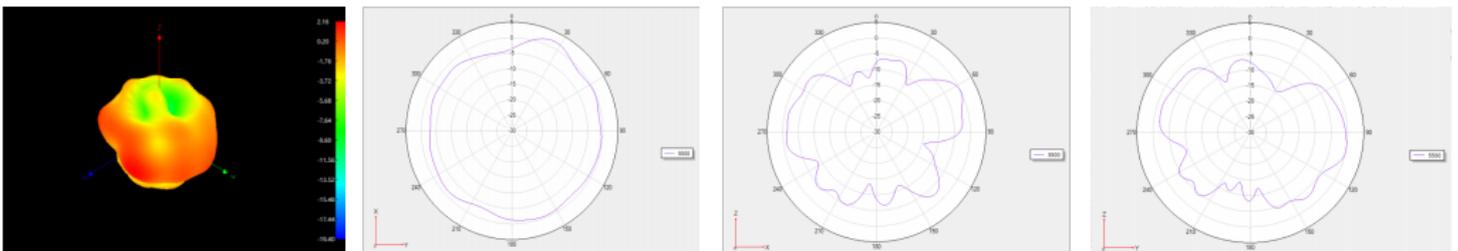
2500MHz



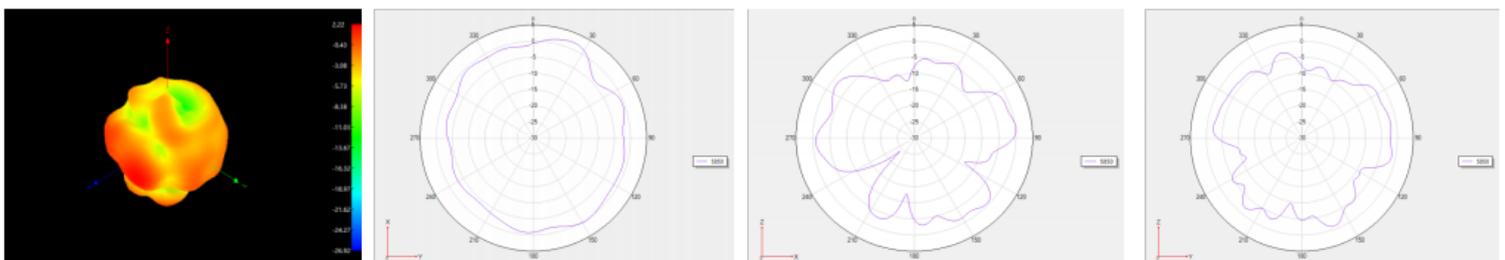
5150MHz



5500MHz



5850MHz



增益效率表

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
5150	69.11	2.34	2400	81.79	2.32
5200	75.82	2.54	2410	80.18	2.28
5250	67.72	2.31	2420	82.13	2.36
5300	68.88	2.44	2430	82.08	2.42
5350	75.67	2.45	2440	79.06	2.21
5400	73.38	2.46	2450	78.35	2.55
5450	72.18	2.25	2460	77.62	2.11
5500	68.96	2.16	2470	80.32	2.12
5550	69.68	2.21	2480	83.22	2.16
5600	78.35	2.50	2490	76.29	2.12
5650	73.14	2.34	2500	75.36	2.04
5700	69.44	2.24			
5750	68.64	2.31			
5800	78.31	2.57			
5850	71.25	2.26			