



东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

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规格书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 睿联

产品名称

PRODUCT NAME: 2.4/5G 内置天线 L=60mm+端子

客户料号

CUSTOMER P/N: 54.07.001.0108A

仁丰料号:

Ren Feng P/N: U00T02S000N03845 REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2023.08.07	



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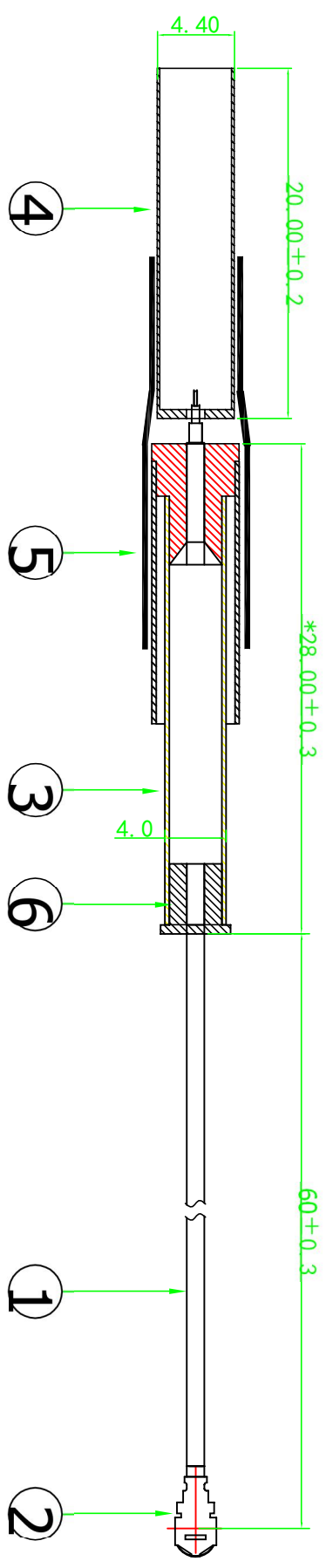


四，规格表

产品主要技术参数

主要技术指标	
频率范围 (MHZ)	2400-2500 5150-5850
特性阻抗(Ω)	50
增益(dBi)	2
输出电压 驻波比	≤ 2.0
方向性	全向性
连接方式	端子
物理性能	
天线材料	铜管
工作温度	$-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$
保存温度	$-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$

REV	DATE	DESCRIPTION	Change the code
A	2023-07-20	NEW ISSUE	



6	胶塞	1	POM:
5	套管	1	PE:
4	接地管	1	Copper:
3	接地管	1	Copper:
2	端子	1	Copper:
1	线材	1	1.13 Black:
NO.	DESCRIPTION	QTY	REMARK
带公差尺寸为检验尺寸			
产品符合环保RoHS2.0之要求			

尺寸范围 (mm)	公差 (mm)	APPROVED	CUSTOMER:
0 < L ≤ 6	±0.10	CHECKED	PART NO. :
6 < L ≤ 30	±0.10	DRAWING	PARTNAME : RF Antenna Assembly
30 < L ≤ 90	±0.15		R.E P/NO. : U00102SS000N03845
80 < L ≤ 180	±0.20		REV. UNIT SCALE SIZE SHEET
180 < L ≤ 315	±0.25		A mm 1:1 A4 10F1
315 < L ≤ 800	±0.35		
角度	±0.5°		

RF link

东莞市仁丰电子科技有限公司
RenFeng Electronic technology Co., LTD.



东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

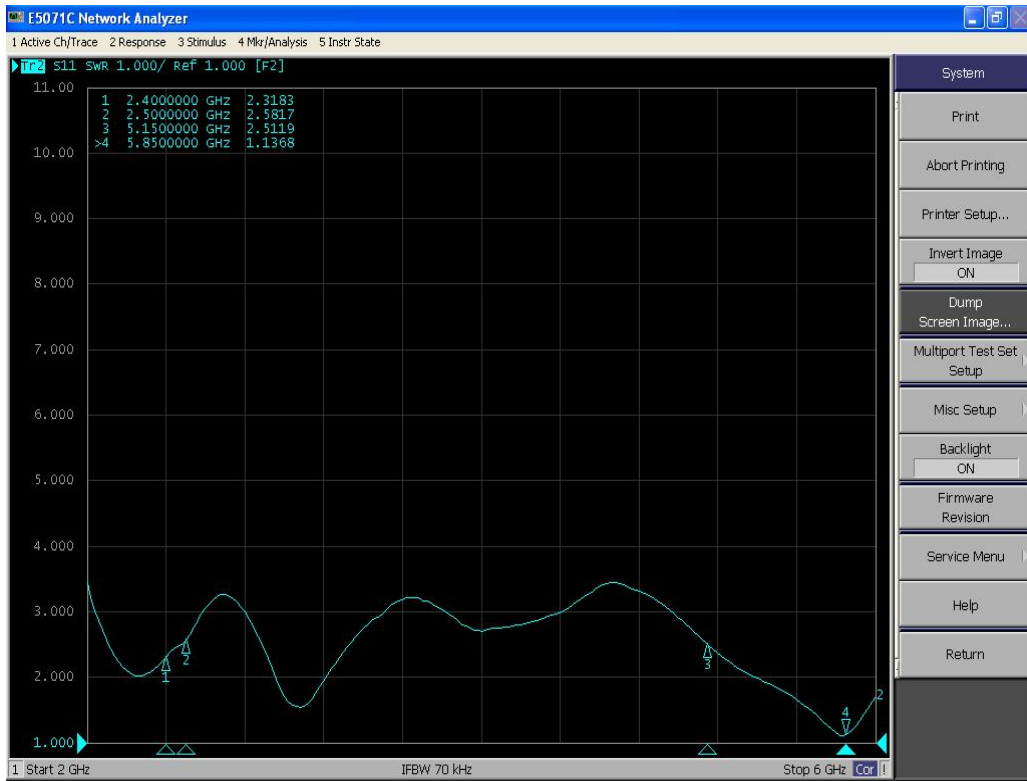
公司地址：东莞市塘厦镇清湖头三坑工业区1号 电话：0769-38940168 传真：0769-39010966 网址：<http://rflink.net.cn>

六 ROHS/原材料清单：

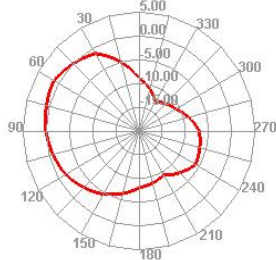
天线 RF11C03041S 符合 RoHS 要求。

组件编号	组件名称	原料组要材质	使用数量	单位	材料厂商	UL 认证编号	备注
1	1.13 线材	镀锡/FEP	1	pc	神宇/海联通	/	
2	接地管	Copper	1	pc	高强/兴海容	/	
3	端子	铜	1	pc	科信成	/	
4	/	/	/	/	/	/	

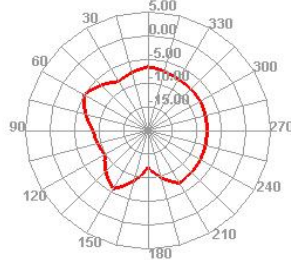
七. 测试报告



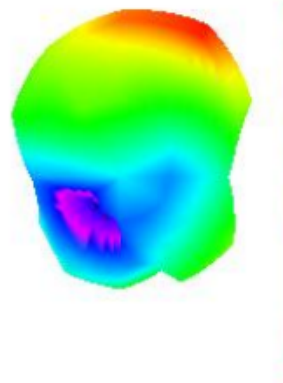
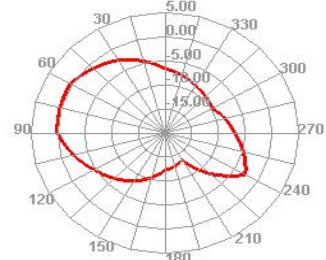
2400.000MHz H



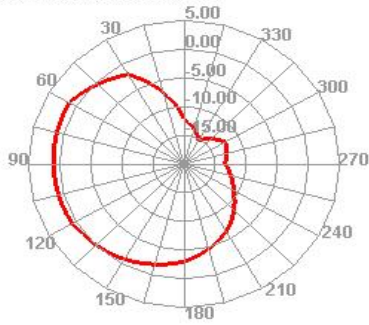
2400.000MHz E1



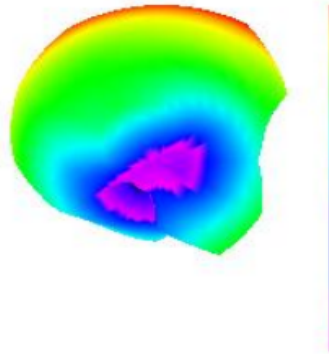
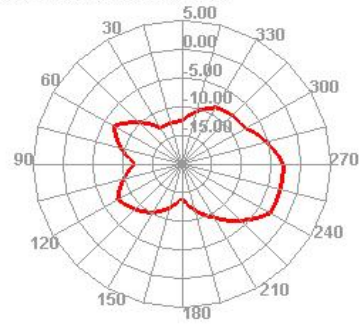
2400.000MHz E2



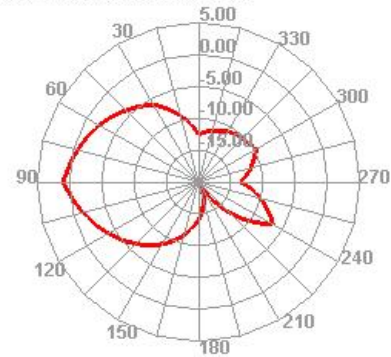
2500.000MHz H



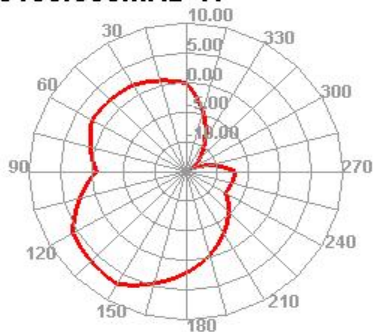
2500.000MHz E1



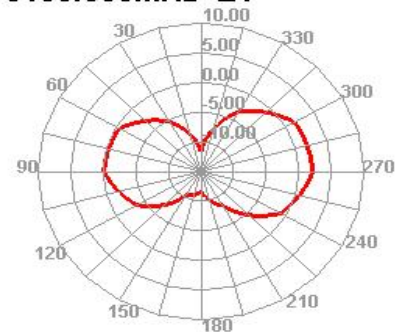
2500.000MHz E2



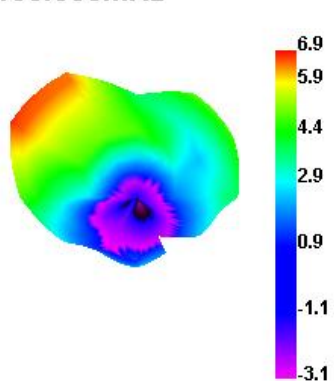
5150.000MHz H



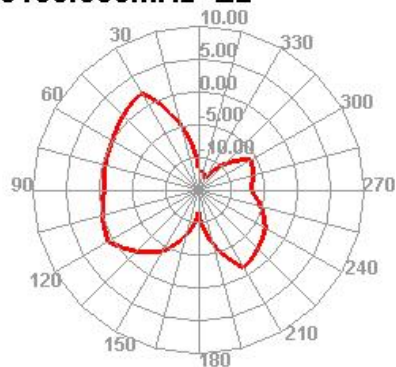
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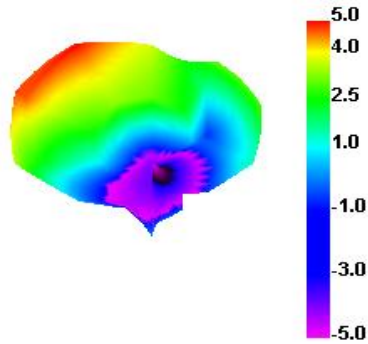
5150.000MHz



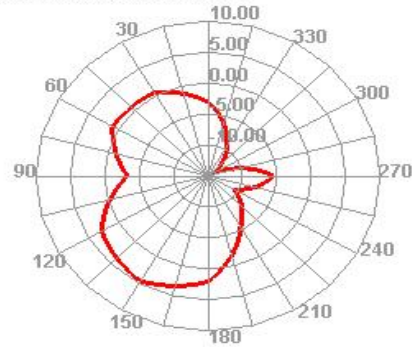
5150.000MHz E2



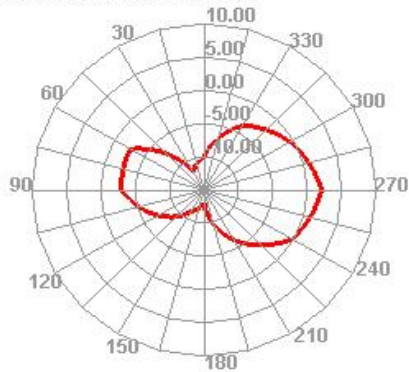
5350.000MHz



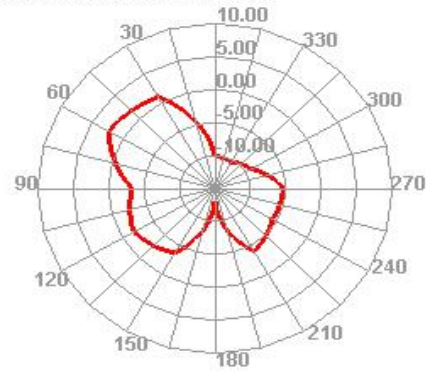
5350.000MHz H



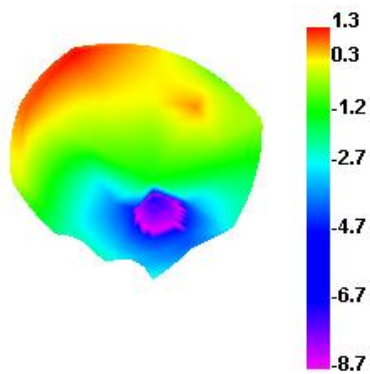
5350.000MHz E1



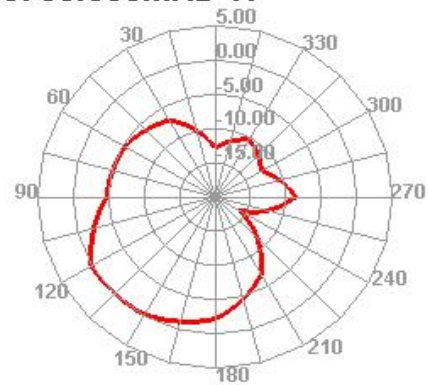
5350.000MHz E2



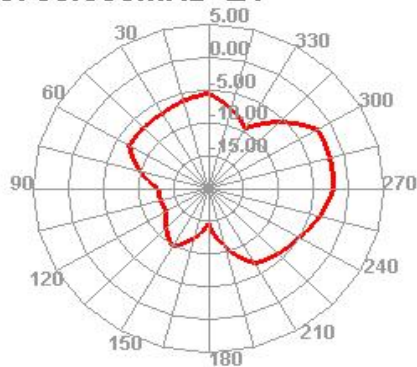
5750.000MHz



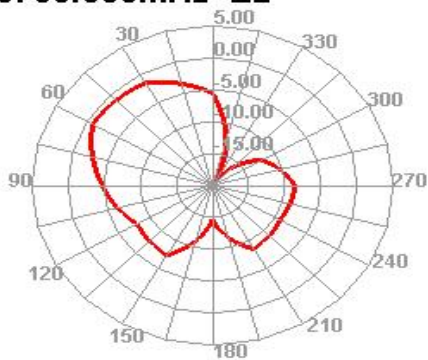
5750.000MHz H



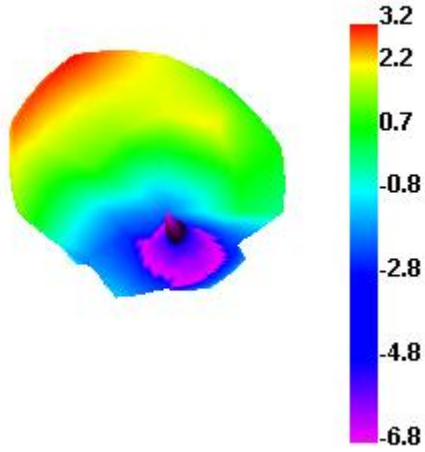
5750.000MHz E1



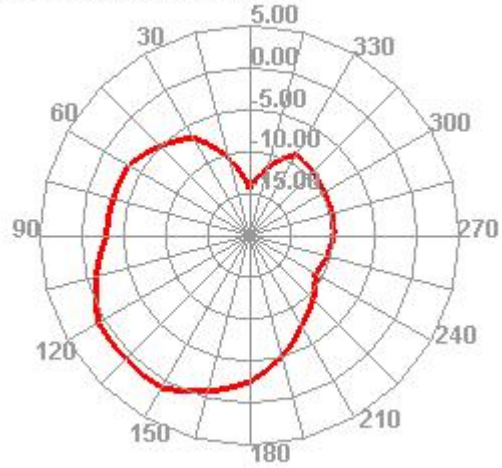
5750.000MHz E2



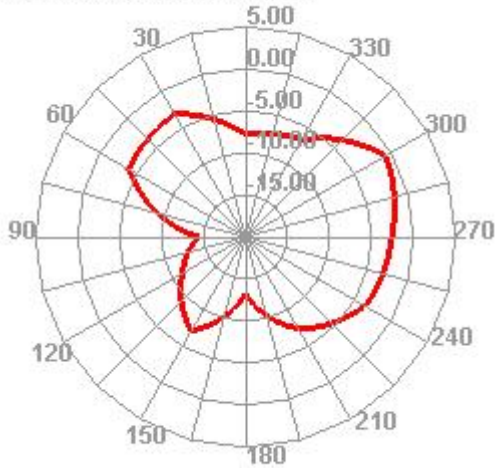
5850.000MHz



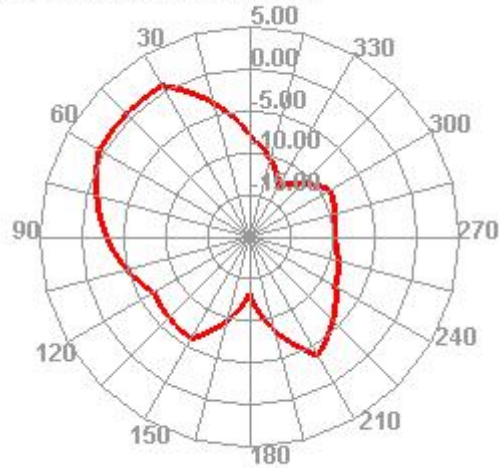
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



Gain table of Antenna

Frequency (MHz)	ANT	
	Efficiency (%)	Peak Gain (dBi)
2400	44.44	1.19
2420	36.79	0.02
2440	32.39	-1.03
2450	32.48	-1.16
2460	34.03	-0.6
2480	39.18	0.65
2500	41.01	1.28
5150	66.93	6.87
5350	60.26	5.02
5500	58.67	3.06
5750	48.38	1.28
5850	50.88	3.17