



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

规格书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME:

睿联

产品名称

PRODUCT NAME:

2.4/5G 5dBI 黑色天线 SMA

客户料号

CUSTOMER

P/N:

54.07.001.0097

仁丰料号

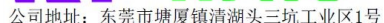
RenFeng

P/N:

U00T01S010N03637

REV:A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	赵文天	
AUDITOR BY:	黄 超	
APPROVED BY:	姚定军	
DATE:	2023-12-20	



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履历表 Resume

[illegible]

电话: 0769--38940168
网址: www.rfmlink.net.cn



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一、 变更履历

地址：东莞市塘厦镇清湖头三坑路一号

传真：0769--38940199

电话：0769--38940168

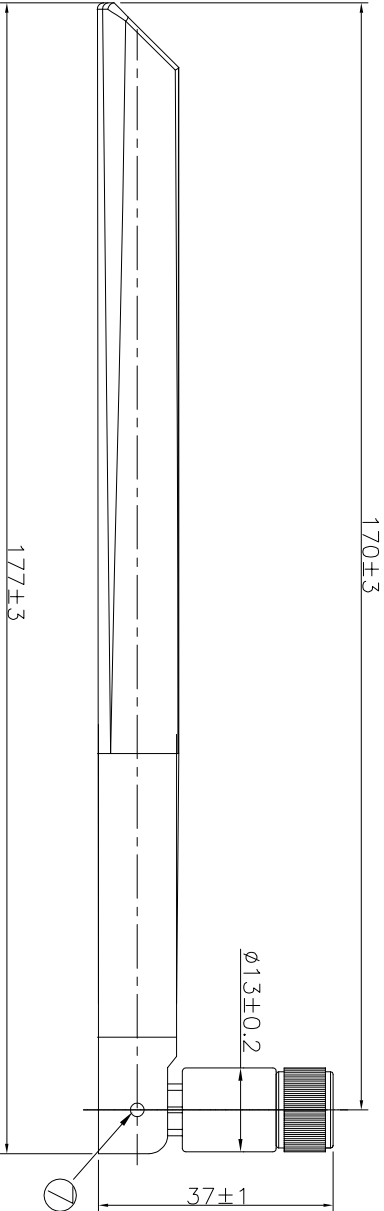
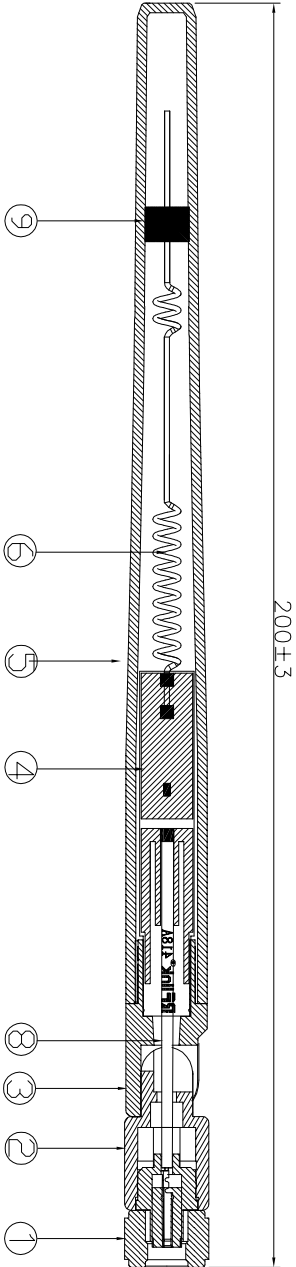
网址：www.rflink.net.com

四、规格表：

产品主要技术参数

主要技术指标		Maintechnicalspecifications	
频率范围 (MHZ)	2400-2500 5150-5825	FrequencyRange (MHZ)	2400-2500 5150-5825
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	5 ± 0.5	PeakGain(dBi)	5 ± 0.5
输出电压 驻波比	≤ 2.0	VSWR	≤ 2.0
极化方式	垂直极化	Polarization	Linear,Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	SMA	ConnectorType	SMA
物理性能		PhysicalProperties	
天线材料	PP	Antennacover	PP
工作温度	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$	OperatingTemp	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
保存温度	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$	StorageTemp	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$

REV	DATE	DESCRIPTION
A	2023-06-29	NEW ISSUE



9	foam	1	EVA;Black
8	Wire rod	1	RG178 Black
7	rivet	2	POM; Black
6	spring	1	Brass
5	Pole sleeve	1	PP; Black
4	POB	1	FR-4
3	Upper fixing	1	PO+ABS; Black
2	Lower fixing seat	1	PO+PBT; Black
1	SMA	1	SMA PLUG -PIN(F); Brass Nickelage
NO.	DESCRIPTION	QTY	REMARK

		尺寸范围 (mm)		公差 (mm)		
		0<L≤6		±0.10		
		6<L≤30		±0.10		
		30<L≤90		±0.15		
		90<L≤180		±0.20		
		180<L≤315		±0.25		
		315<L≤800		±0.35		
角度				±0.5°		
DRAWING						
CHECKED		PART NO. :				
		PARTNAME : RF Antenna Assembly				
		R.F P/NO : U00T01S010N03637				
		REV	UNIT	SCALE	SIZE	SHEET
		A	mm	1 : 1	A4	10F1



RenFeng Electronic technology Co., LTD.

规格Specification:

频率Frequency Range: 2.4~2.483GHz

回波损耗Return loss: -9.5dB or less

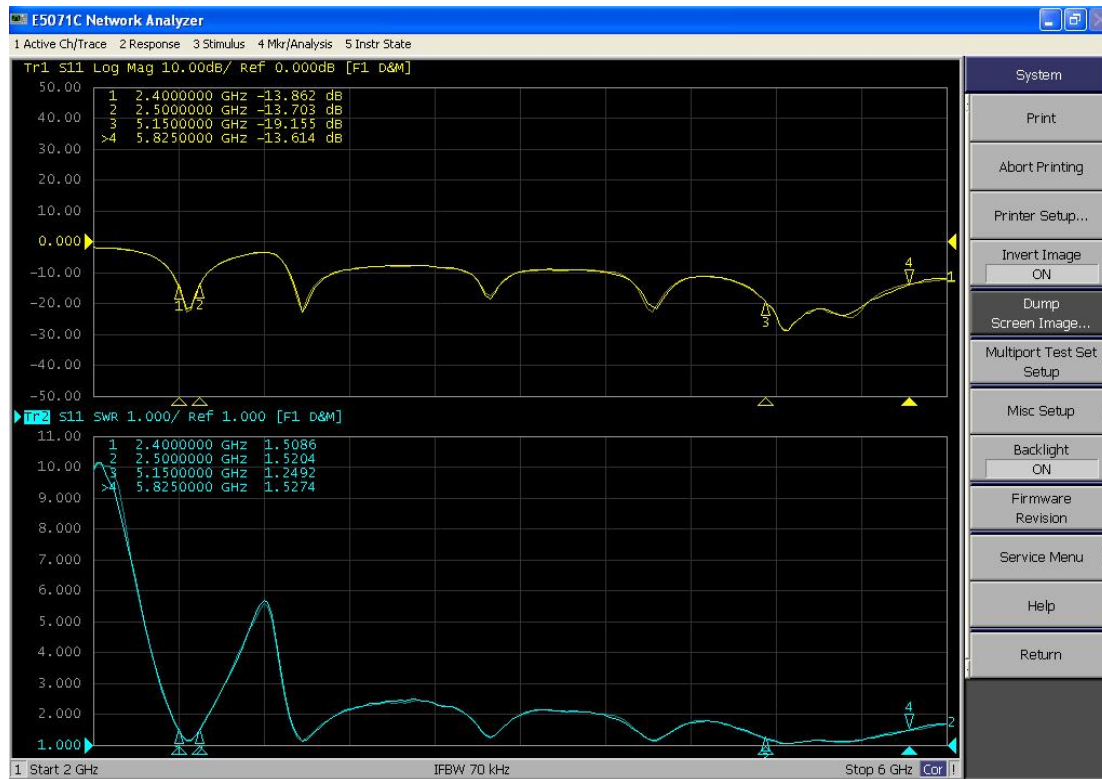
驻波比VSWR: 2.0 max

增益Gain(peak): 5dBi



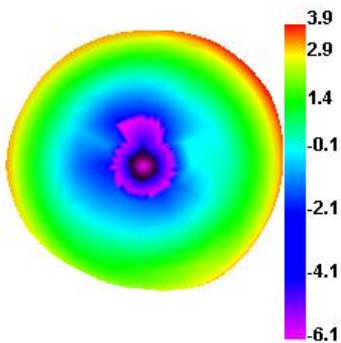
RenFeng Electronic technology
Co., LTD.

6.1 Testing report

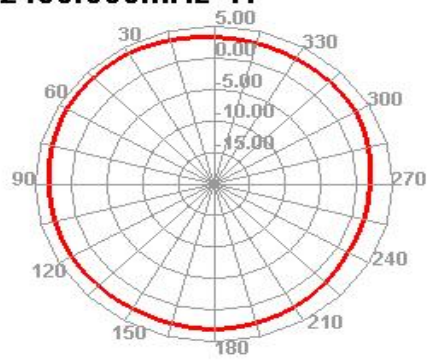


2450.000MHz

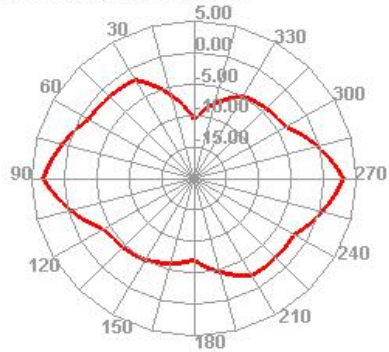
2.4G
2400MHz



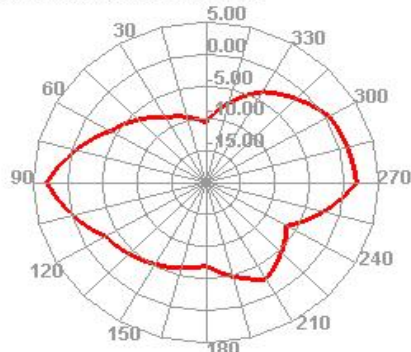
2450.000MHz H



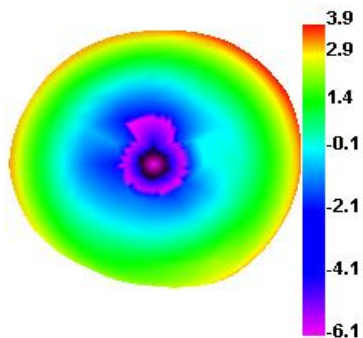
2450.000MHz E1



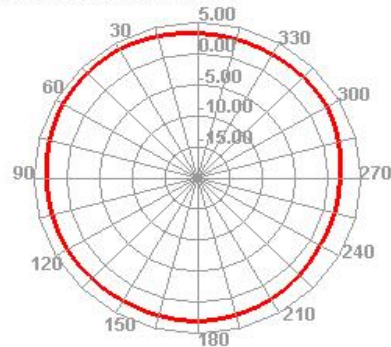
2450.000MHz E2



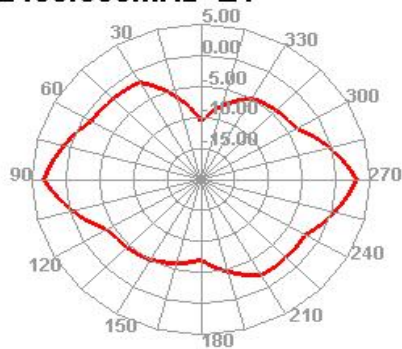
2450.000MHz



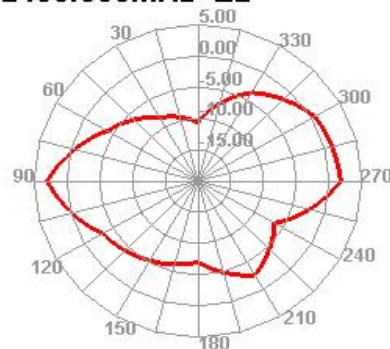
2450.000MHz H



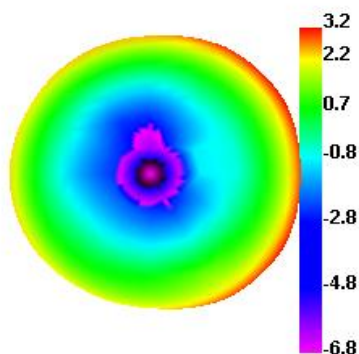
2450.000MHz E1



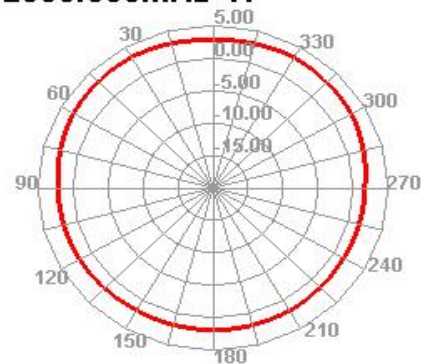
2450.000MHz E2



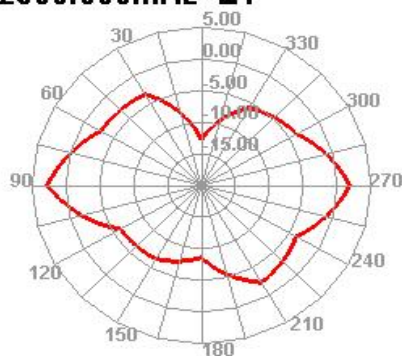
2500.000MHz



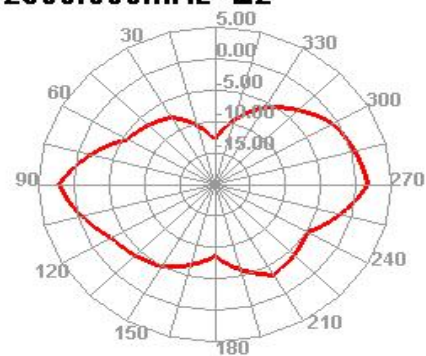
2500.000MHz H



2500.000MHz E1

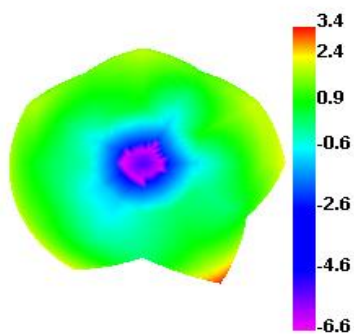


2500.000MHz E2

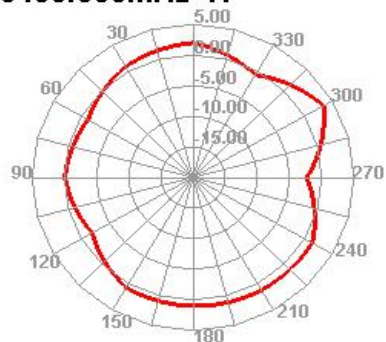


5G
5500MHz

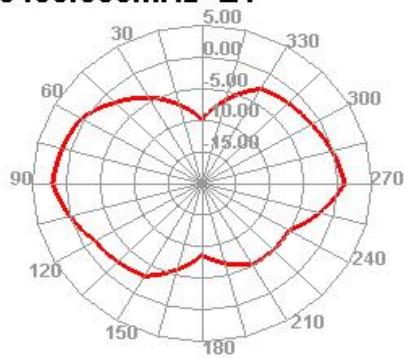
5400.000MHz



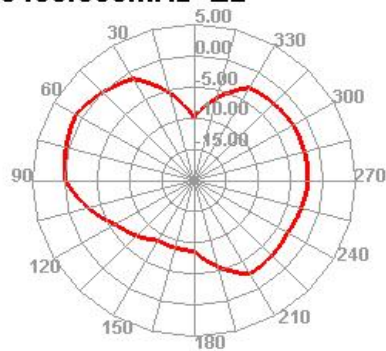
5400.000MHz H



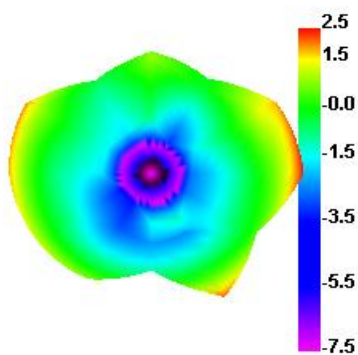
5400.000MHz E1



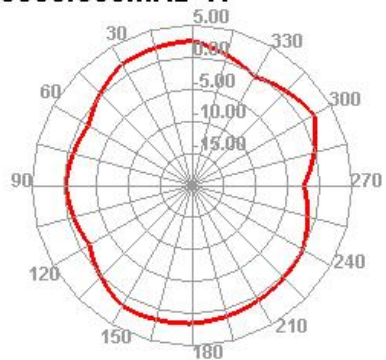
5400.000MHz E2



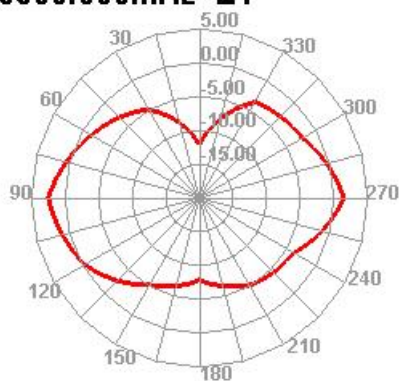
5500.000MHz



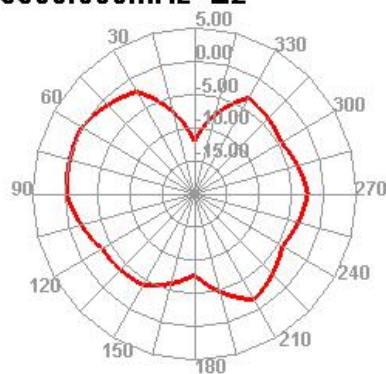
5500.000MHz H



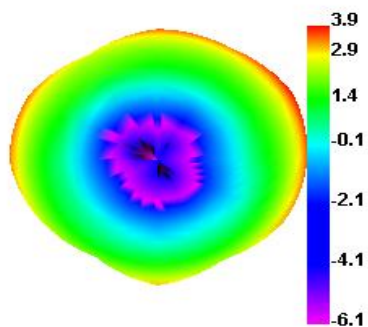
5500.000MHz E1



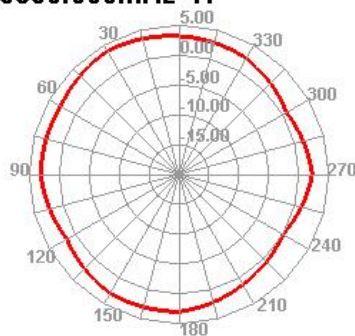
5500.000MHz E2



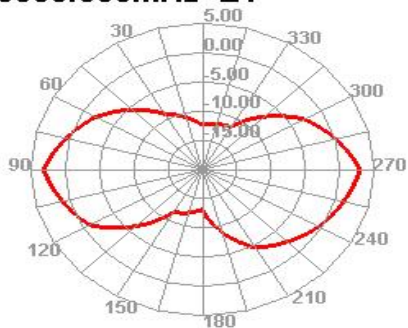
5850.000MHz



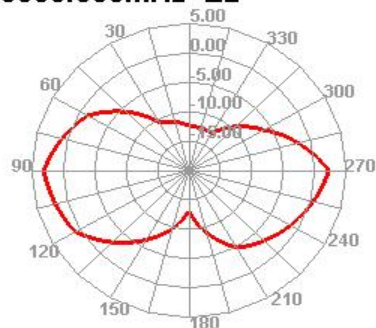
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



Frequency (MHz)	ANT	
	Efficiency (%)	Peak Gain (dBi)
2400	77.21	3.43
2450	79.21	3.95
2500	82.33	3.24
5150	82.65	3.46
5500	83.15	4.27
5850	77.52	3.93

厂商/客户 (Manufacturer / customer) : 睿联 生产日期 (Date of manufacture) : 2023/12/20

设备编号 (NO.): RF-YQ-086 测试日期 (Test date): 2023/12/20

品名 (Part Name) : 外置天线 规格 (Specifications) : /

料号 (Part No.) : U00T01S010N03637 扭力标准 (Lock attached to the force) 500-1000gf

测试期间 (Testing Period) : 2023-12-20/19 : 20-19 : 30

测试项目 (Test Description) :

- 外观检查 (Check the appearance of the product)
- 扭力测试 (The torsion test)
- 外观检查 (Check the appearance of the product)

测试方法 (Test Method) :

- 外观检查 (Check the appearance of the product)
No deformation, oxidation, looseness, etc
目视无变形，氧化，松动等不良
- 扭力测试 (The torsion test)
Adjust the torsion meter to make it return to the zero state and load and clip the test sample; Conduct torque test of products; At the end of the test, record the test adjustment torque meter, make the torque meter zero state, install the test sample; Conduct the torsion test of the product; Record the test results.
- 外观检查 (Check the appearance of the product)
No deformation, oxidation, looseness, etc
目视无变形，氧化，松动等不良

测试结果 (Test Results) :

Test Item	Test Result	Pass	Fail
1.外观检查 (Check the appearance of the product)	■	PASS	FAIL
2.扭力测试 (The torsion test)	■	PASS	FAIL
3.外观检查 (Check the appearance of the product)	■	PASS	FAIL

测试项目 (Test Description) :

1..产品外观检查 (Check the appearance of the product) 数量 (Quantity) : 5 PCS

Standard : See Test Method

Test Result					
NO.	sample-1	sample-2	sample-3	sample-4	sample-5
Result	PASS	PASS	PASS	PASS	PASS
Conclusion	■ PASS □ FAIL				

2扭力测试 (The torsion test) 数量 (Quantity) : 5 PCS

Standard : See Test Method

Test Result					
NO.	sample-1	sample-2	sample-3	sample-4	sample-5
Result	700gf	700gf	500gf	900gf	800gf
Conclusion	■ PASS □ FAIL				

3.检验产品外观 (Check the appearance of the product) 数量 (Quantity) : 5 PCS

Standard : See Test Method

Test Result					
NO.	sample-1	sample-2	sample-3	sample-4	sample-5
Result	PASS	PASS	PASS	PASS	PASS
Conclusion	■ PASS □ FAIL				

测试照片 (Test Photos)

:



Step 1. 产品外观检查 (Product appearance inspection)



Step 2. 测试图片 (Test picture)



Step 3. 产品外观检查 (Product appearance inspection)

备注：测试后扭力值达到测试要求，判合格。

~ ~ The End Of Test Report ~ ~

Approved: 汤伶俐

Checked: 鄢康凤

Tester: 李姝婧