

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

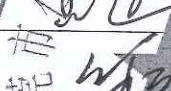
CUSTOMER P/N: 54.07.001.0097A

仁丰料号

Ren Feng P/N: U00T01S010N03637 REV: A

内部结构

Internal structure: PCB+弹簧

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2023.07.13	

2.Resume

[illegible]

Contents

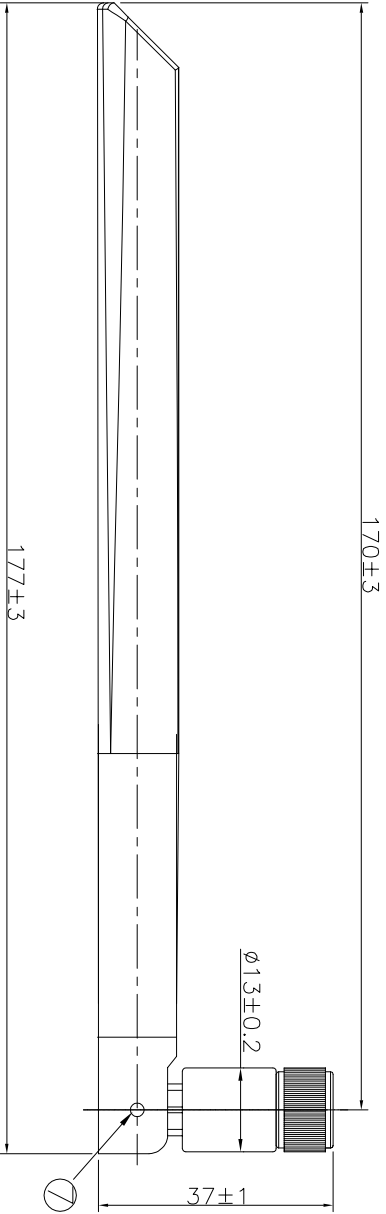
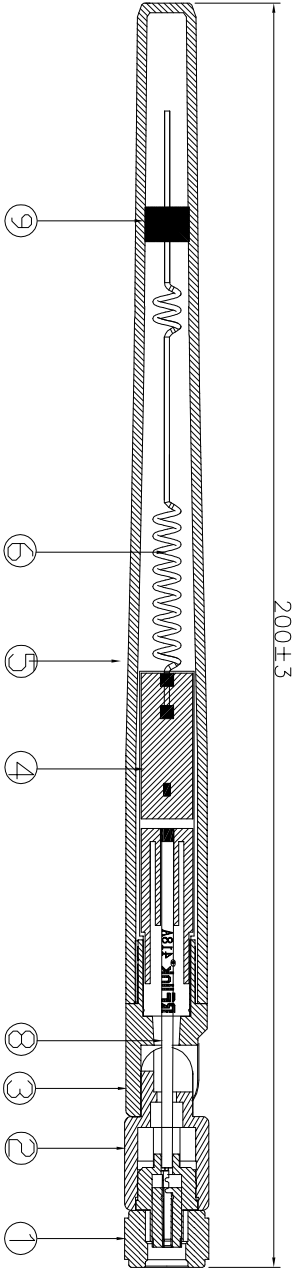
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4.Specificationsheets

Main technical specifications	
Frequency Range (MHZ)	2400-2500
	5150-5850
Impedance(Ω)	50 $\pm$ 10
Gain(dBi)	2.4G:3.95 5G:4.27
ReTurnLoss(dB)	≤ -9.5
VSWR	≤ 2.0
Admitted Power	1W
Polarization	Linear, Vertical
Radiation	Omni-directional
Connector Type	SMA
Physical Properties	
Antenna Base	PP
Operating Temp	-20 $^{\circ}$ C~+60 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ 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	PC+ABS; Black
2	Lower fixing seat	1	PC+PBT; Black
1	SMA	1	SMA PLUG -PIN(F); Brass Nickel age
NO.	DESCRIPTION	QTY	REMARK

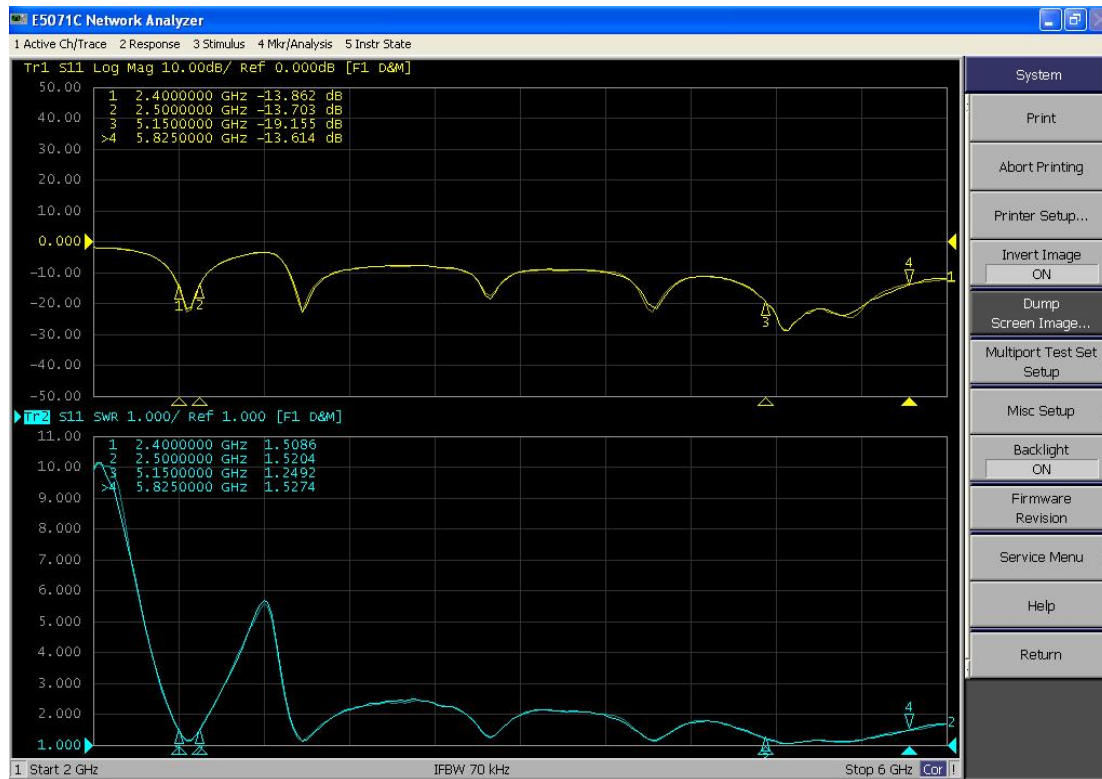
尺寸范围 (mm)		公差 (mm)	APPROVED		COSTOMER:	
0<L≤6		±0.10	CHECKED		PART NO. :	
6<L≤30		±0.10			PARTNAME : RF Antenna Assembly	
30<L≤90		±0.15				
90<L≤180		±0.20	DRAWING		R.F P/NO : U00T01S010N03637	
180<L≤315		±0.25			REV UNIT SCALE SIZE SHEET	
315<L≤800		±0.35	A		mm 1 : 1 A4 10F1	
角度 ±0.5°						

规格Specification:
频率Frequency Range: 2.4~2.483GHz
5.15~5.825GHz
回波损耗Return loss: -9.5dB or less
驻波比VSWR: 2.0 max
增益Gain (peak): 5dBi

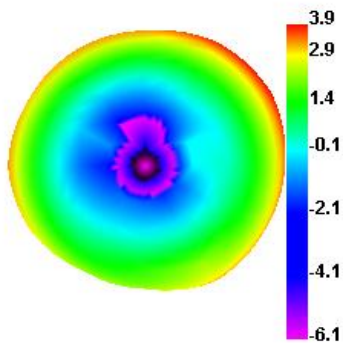


RenFeng Electronic technology
Co., LTD.

6.1 Testing report

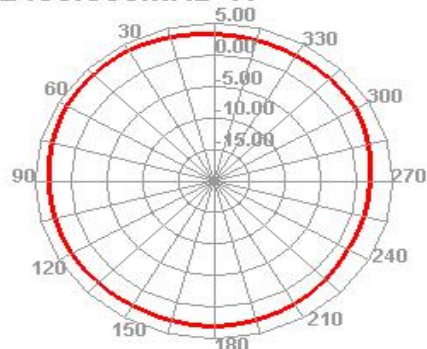


2450.000MHz

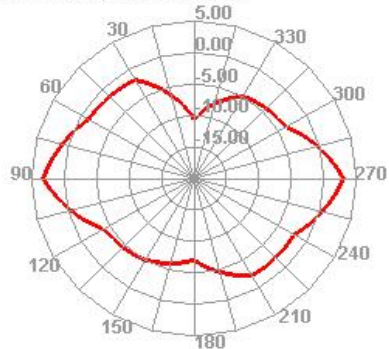


2.4G
2400MHz

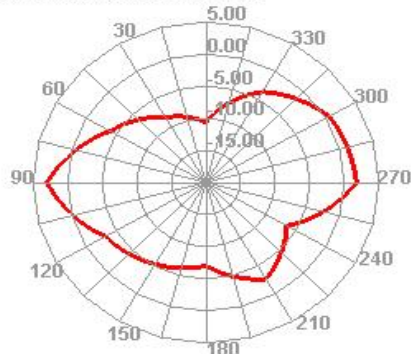
2450.000MHz H



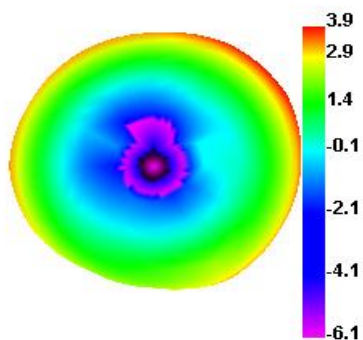
2450.000MHz E1



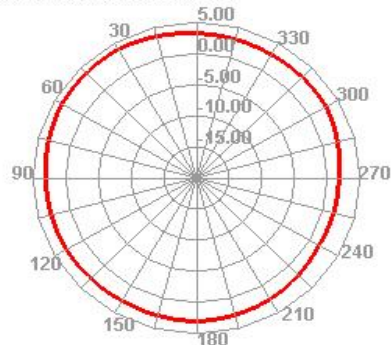
2450.000MHz E2



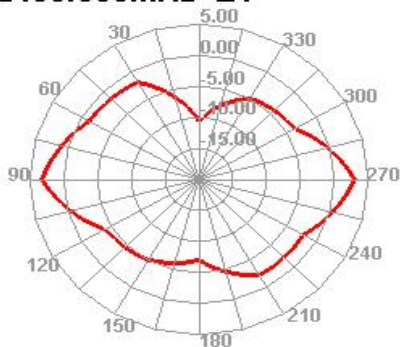
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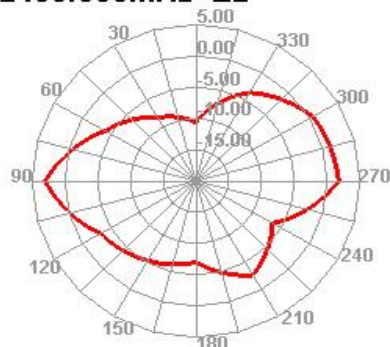
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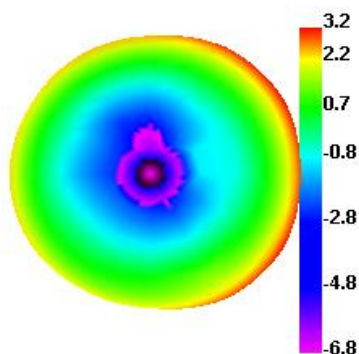
2450.000MHz E1



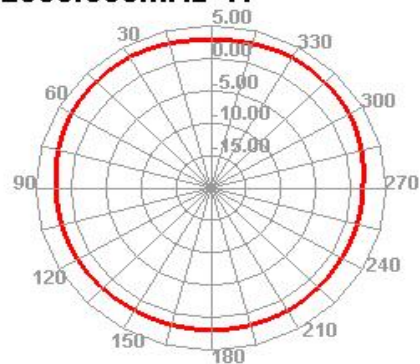
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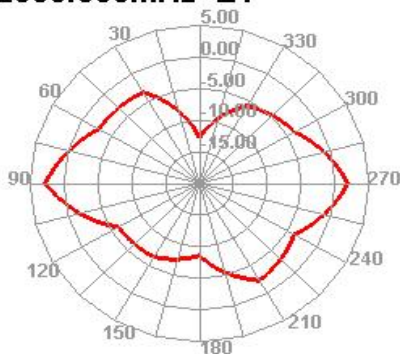
2500.000MHz



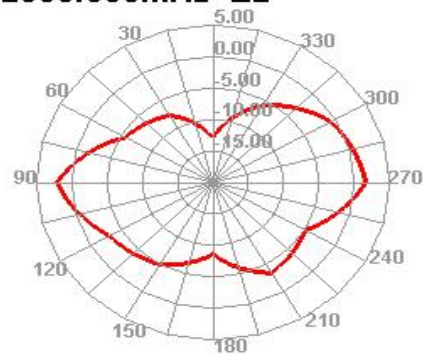
2500.000MHz H



2500.000MHz E1

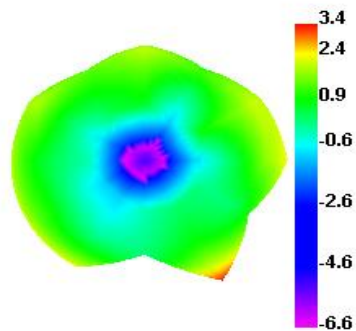


2500.000MHz E2

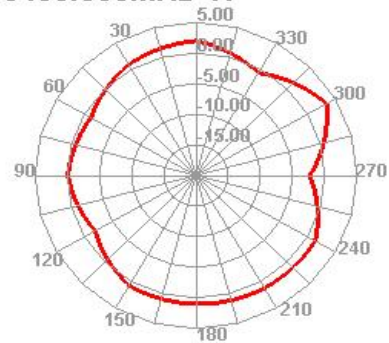


5G
5500MHz

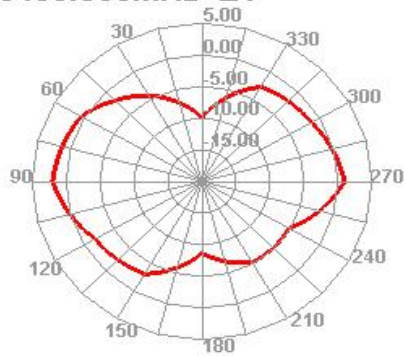
5400.000MHz



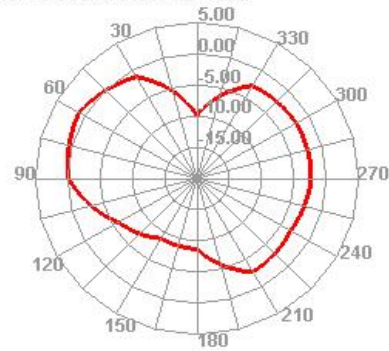
5400.000MHz H



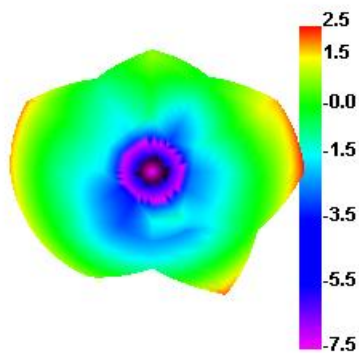
5400.000MHz E1



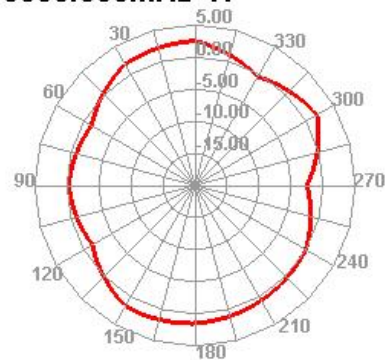
5400.000MHz E2



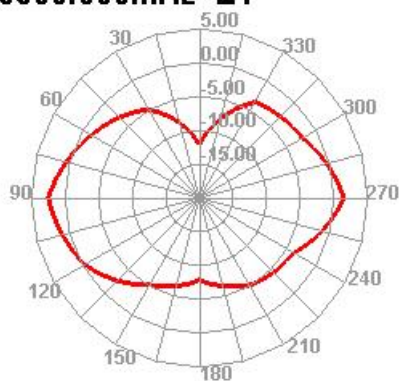
5500.000MHz



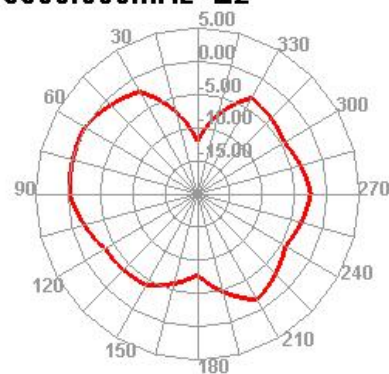
5500.000MHz H



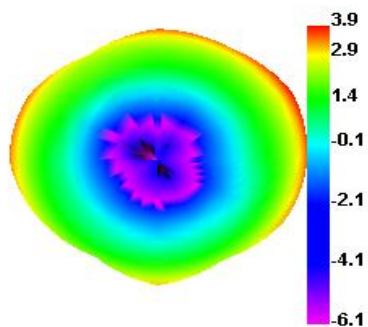
5500.000MHz E1



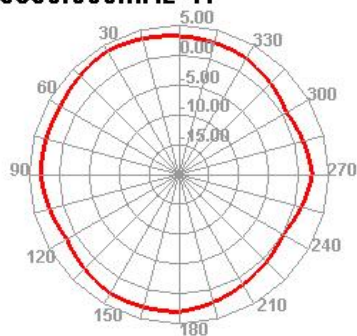
5500.000MHz E2



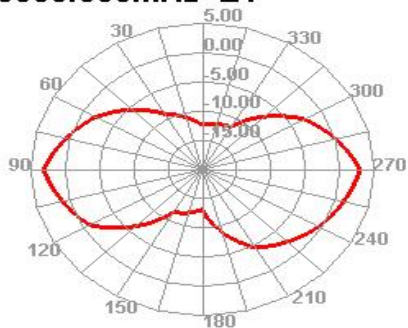
5850.000MHz



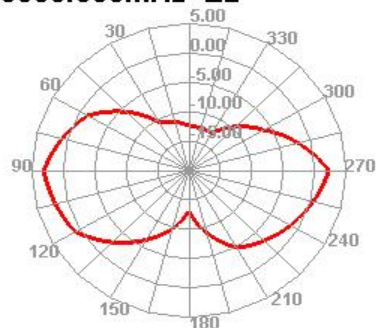
5850.000MHz H



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