

# 承认书

## SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 睿联

产品名称

PRODUCT NAME: 2.4/5G 白色SMA天线

客户料号

CUSTOMER P/N: 54.07.001.0006

仁丰料号

Ren Feng P/N: U00T01S007N02378 REV: A

内部结构

Internal structure: 传统结构

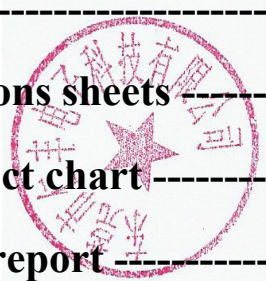
	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	杨振	
AUDITOR BY:	黄磊	
APPROVED BY:	姚定军	
DATE:	2022-10-28	

履历表 Resume

版次号 Edition No.	修改章节 Modify chapter	修改页码 Modify Page	生效日期 Effective date	文件和资料更改内容 File and data changes	更改记录 人 Change recorder

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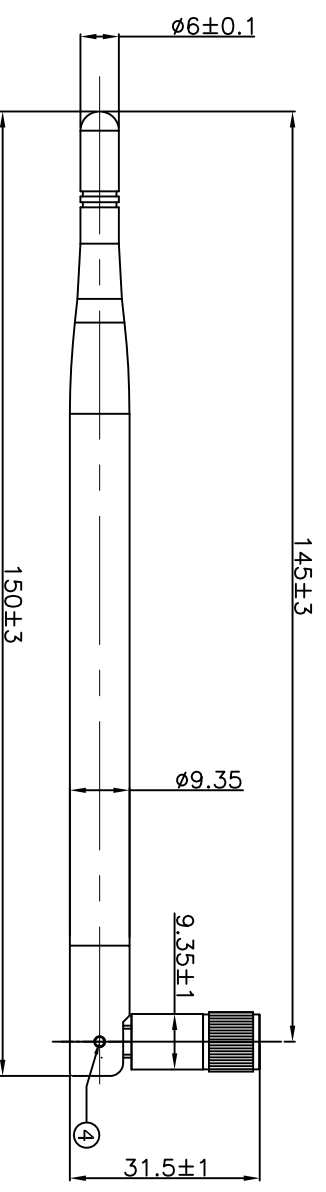
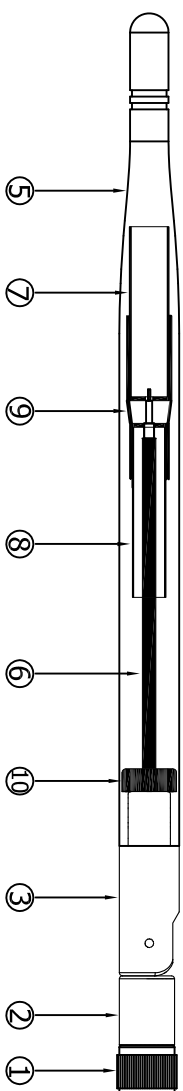


产品主要技术参数

Main technical specifications

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500 5150-5850	Frequency Range (MHZ)	2400-2500 5150-5850
中心频率 特性阻抗( $\Omega$ )	50	Impedance( $\Omega$ )	50
增益(dBi)	参见后面数据表	Gain(dBi)	Refer to the following datasheet
反射损耗	$\leq -9.5$	Return Loss(dB)	$\leq -9.5$
输出电压 驻波比	$\leq 1.92$	VSWR	$\leq 1.92$
极化方式	垂直极化	Polarization	Linear, Vertical
方向性	全向性	Radiation	Omni-directional
天线类型	R-SMA	Antenna Type	R-SMA
物理性能		Physical Properties	
天线本体材 料	TPE	Antenna Base	TPE
工作温度	$-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$	Operating Temp	$-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$
保存温度	$-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$	Storage Temp	$-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$

REV	DATE	DESCRIPTION
A	2022-10-27	NEW ISSUE



规格 (Specification) :

频率 (Frequency Range) : 2.4G~2.5GHz  
 驻波比 (VSWR) : 1.92max  
 增益 (Gain) : 2dBi

NO.	DESCRIPTION	QTY	REMARK
1	SMA 接头	1	SMA PLUG -PIN(F); Brass Nickel lage
2	下固定座	1	PC+PBT; White
3	上固定座	1	PC; White
4	铆钉	2	POM; White
5	杆套	1	TPE; White
6	线材	1	RG178 Brown; Silver tin
7	接地管	1	锌合金
8	接地管	1	Brass
9	热缩套管	1	PE: Black
10	胶芯	1	橡胶

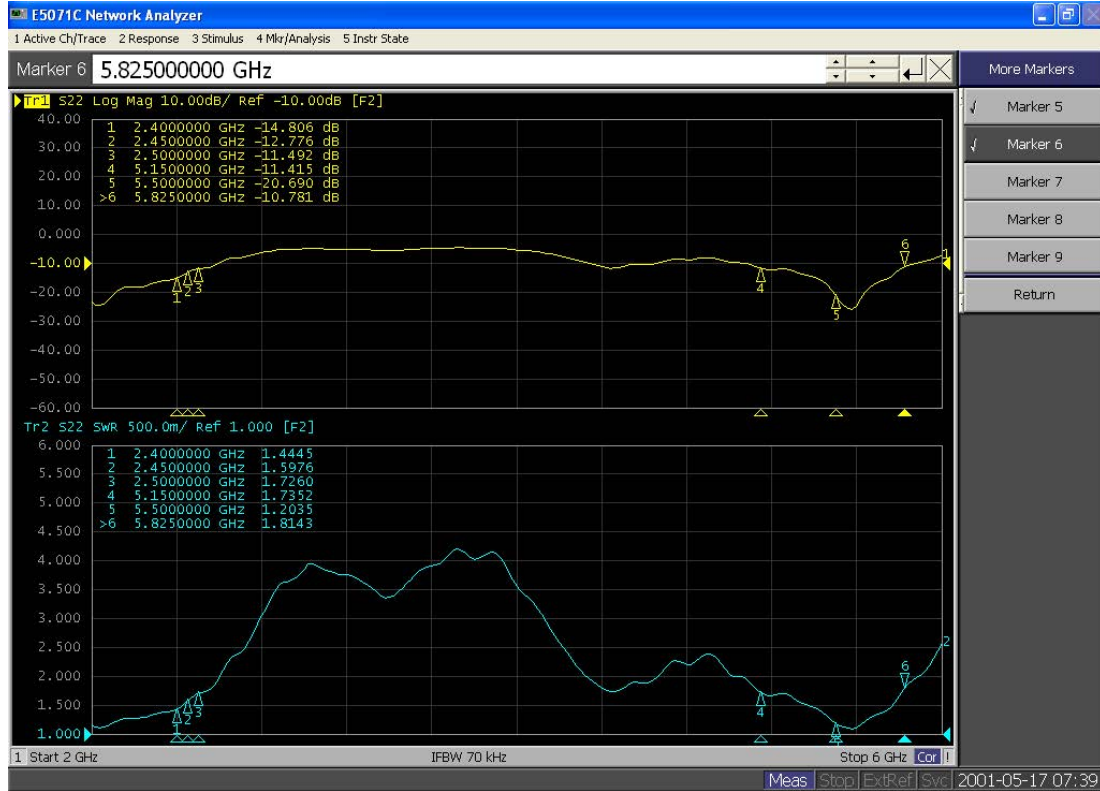
带公差尺寸为检验尺寸  
 产品符合环保RoHS2.0之要求

APPROVED		COSTOMER:	
XXX	±5.0	PART NO :	
XX	±3.0	PARTNAME :	RF Antenna Assembly
X	±0.5	R.F P/NO :	U00T01S007N02378
.XX	±0.1	REV	UNIT
		A	mm
		SCALE	SIZE
		1:1	A4
			SHEET
			10F1

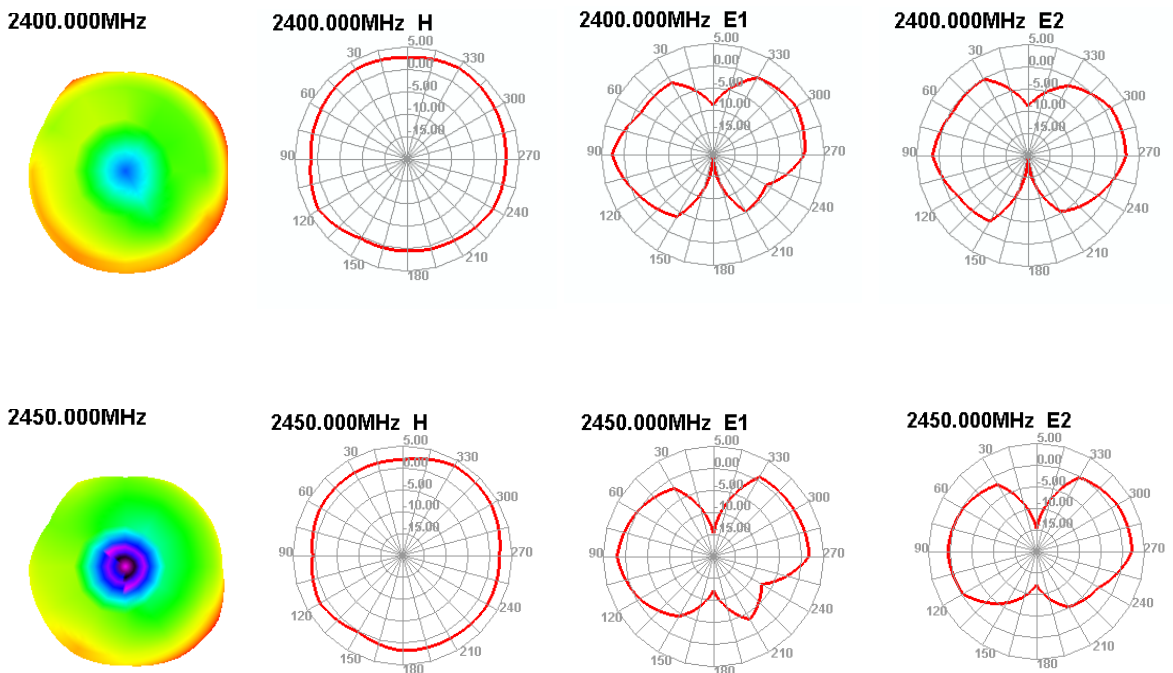
**RF link**  
 东莞市仁丰电子科技有限公司  
 RenFeng Electronic technology  
 Co., LTD.

## 测试报告 Testing report

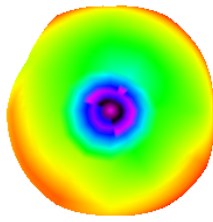
### 网络分析仪测试报告



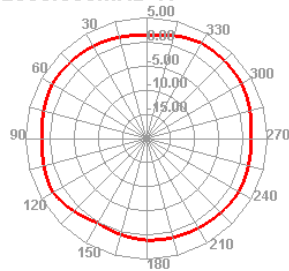
### 暗室 2D、3D Radiation Pattern



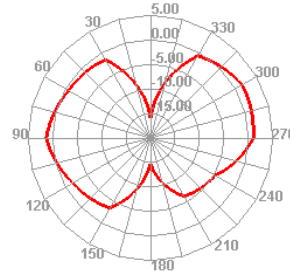
2500.000MHz



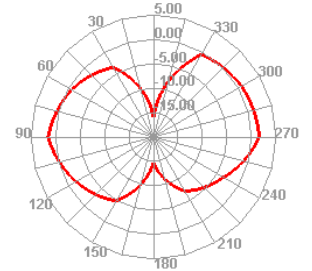
2500.000MHz H



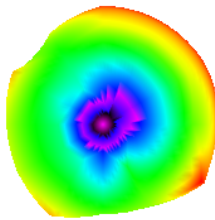
2500.000MHz E1



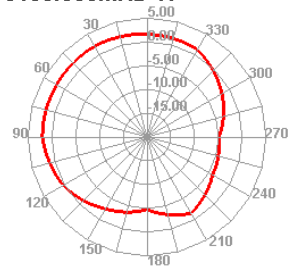
2500.000MHz E2



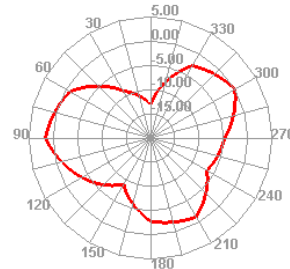
5150.000MHz



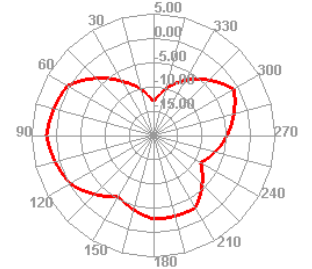
5150.000MHz H



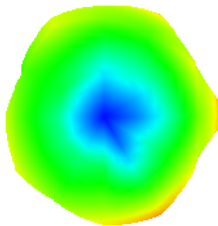
5150.000MHz E1



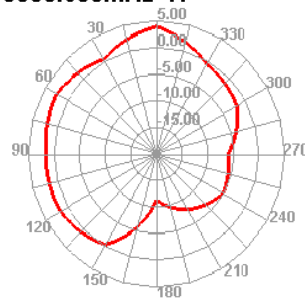
5150.000MHz E2



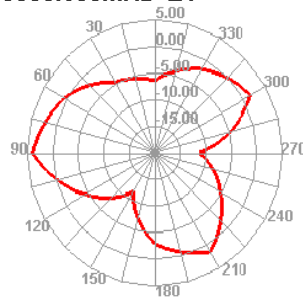
5500.000MHz



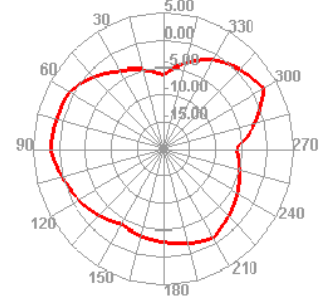
5500.000MHz H



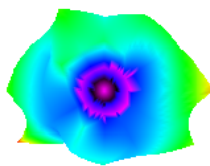
5500.000MHz E1



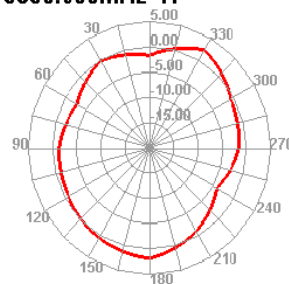
5500.000MHz E2



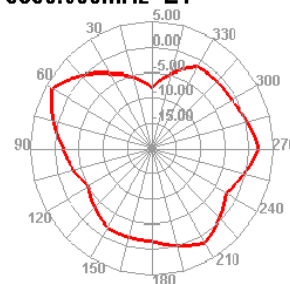
5850.000MHz



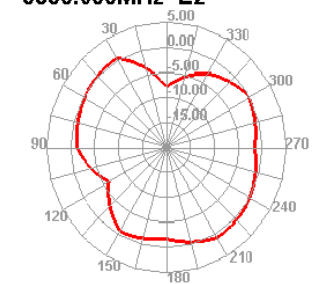
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



Frequency (MHz)	Efficiency (%)	Gain. (dBi)
2400MHz	66.32	2.69
2410MHz	65.95	2.58
2420MHz	68.33	2.54
2430MHz	66.56	2.49
2440MHz	66.57	2.34
2450MHz	67.24	2.29
2460MHz	69.85	2.24
2470MHz	68.33	2.18
2480MHz	69.22	2.41
2490MHz	69.54	2.46
2500MHz	71.32	2.53
5150MHz	62.88	2.23
5250MHz	64.37	2.11
5350MHz	65.65	1.98
5450MHz	62.35	1.85
5550MHz	59.86	1.76
5650MHz	58.65	2.11
5750MHz	60.46	2.33
5850MHz	56.92	1.67