

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

[illegible]

Contents

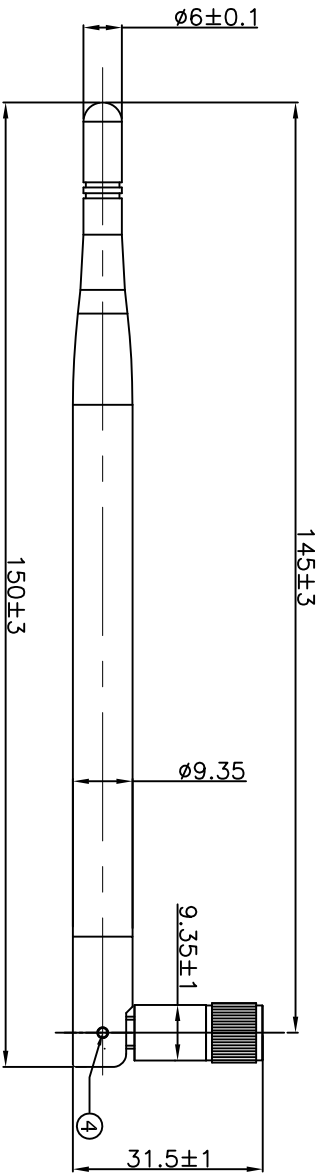
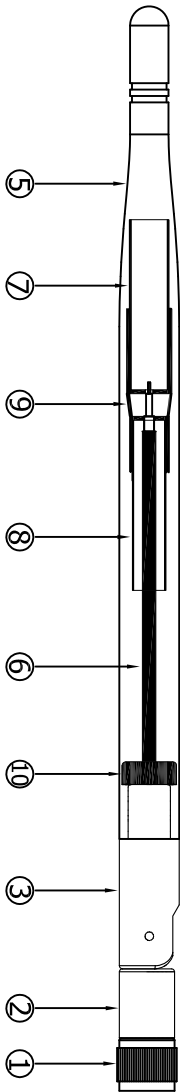
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产品主要技术参数

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(Ω)	50	Impedance(Ω)	50
增益(dBi)	参见后面数据表	Gain(dBi)	Refer to the following datasheet
反射损耗	≤ -9.5	Return Loss(dB)	≤ -9.5
输出电压 驻波比	≤ 1.92	VSWR	≤ 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	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$

F		G	
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

RF link

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

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Technical drawing of an antenna assembly. The drawing shows a side view of the antenna with callouts 1 through 10 pointing to various components. Dimensions are provided: 145±3 (total length), 150±3 (length of the main body), 31.5±1 (length of the mounting bracket), 9.35±1 (width of the mounting bracket), 9.35 (width of the antenna body), and 6±0.1 (width of the mounting hole).

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

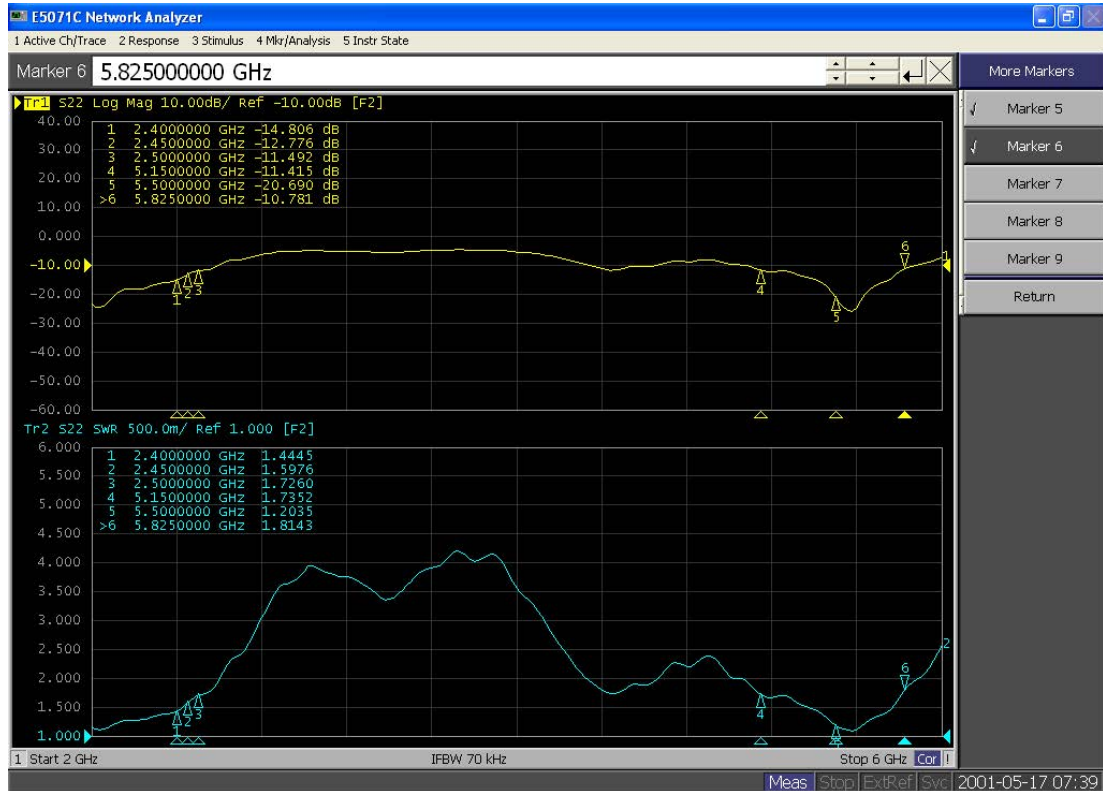
规格 (Specification) :
频率 (Frequency Range) : 2.4G~2.5GHz
驻波比 (VSWR) : 1.92max
增益 (Gain) : 2dBi

XXX ±5.0 APPROVED										COSTOMER:									
XX ±3.0										PART NO :									
X ±1.0 CHECKED										PARTNAME : Rf Antenna Assembly									
.X ±0.5										R.F P/NO : U00T01S007N02378									
.XX ±0.1 DRAWING										REV UNIT SCALE SIZE SHEET									
A mm 1:1 A4 10F1																			

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

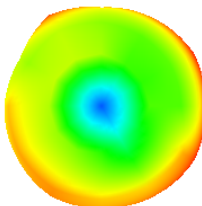
测试报告 Testing report

网络分析仪测试报告

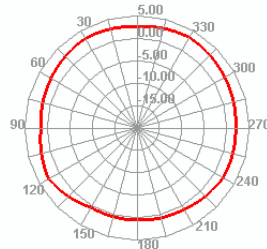


暗室 2D、3D Radiation Pattern

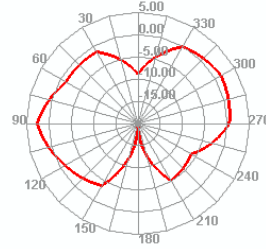
2400.000MHz



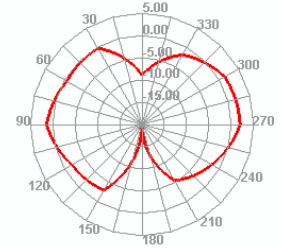
2400.000MHz H



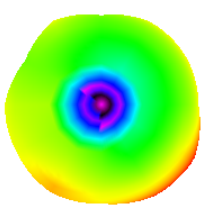
2400.000MHz E1



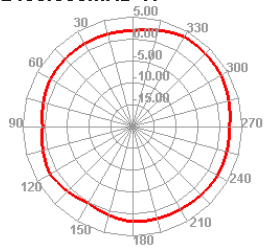
2400.000MHz E2



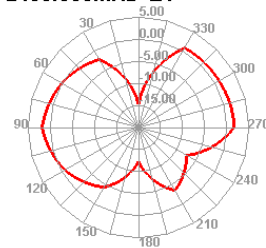
2450.000MHz



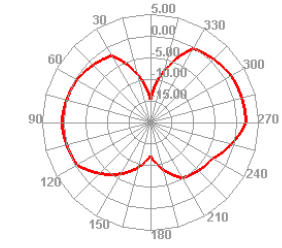
2450.000MHz H



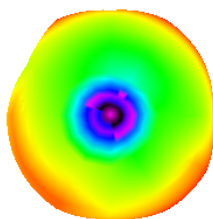
2450.000MHz E1



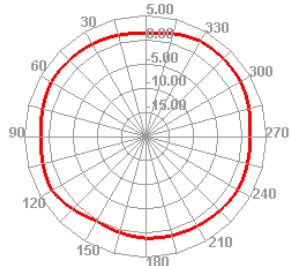
2450.000MHz E2



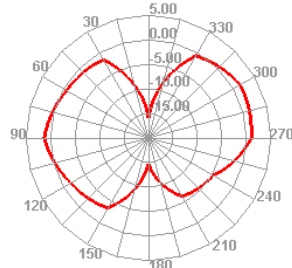
2500.000MHz



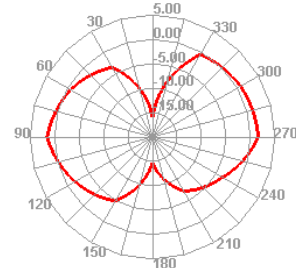
2500.000MHz H



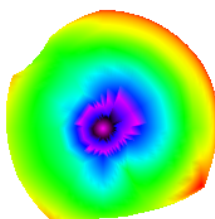
2500.000MHz E1



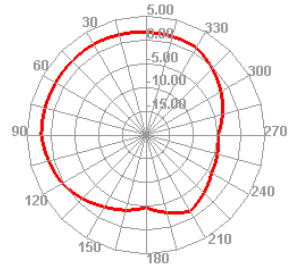
2500.000MHz E2



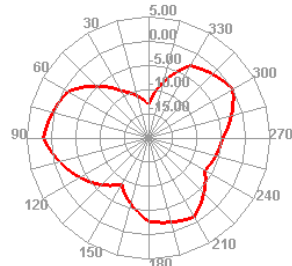
5150.000MHz



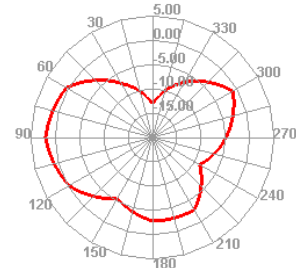
5150.000MHz H



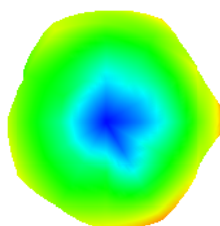
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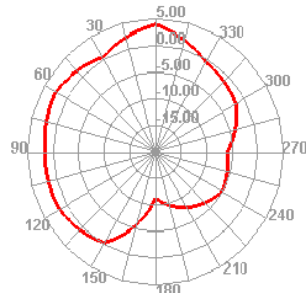
5150.000MHz E2



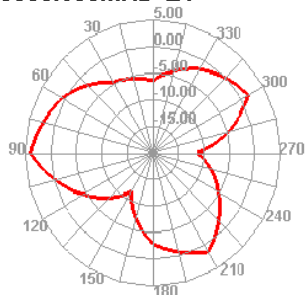
5500.000MHz



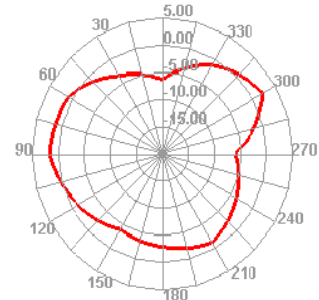
5500.000MHz H



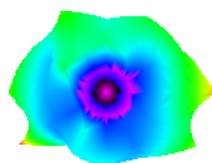
5500.000MHz E1



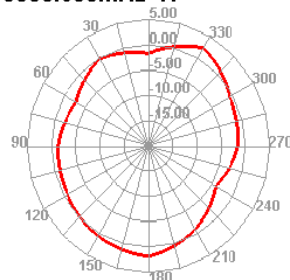
5500.000MHz E2



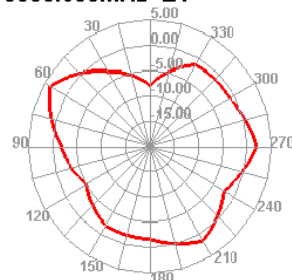
5850.000MHz



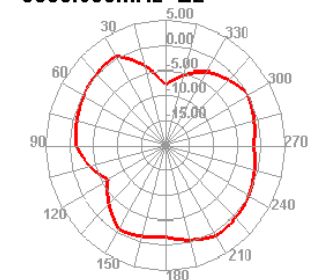
5850.000MHz H



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