

# 承认书

## SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 广联

产品名称

PRODUCT NAME: 2.4-2.5/5.15-5.825GHz 内置天线 L=45/250mm

客户料号

CUSTOMER P/N: 205-2070

仁丰料号

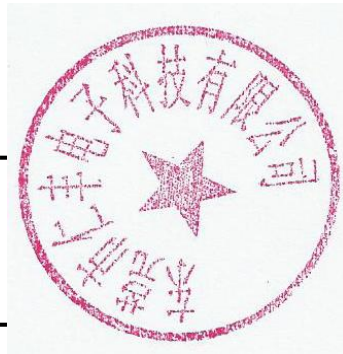
RenFeng P/N: U00T02S000N04920 REV:D

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	赵文天	
AUDITOR BY:	宋俊	
APPROVED BY:	姚定军	
DATE:	2024-02-18	



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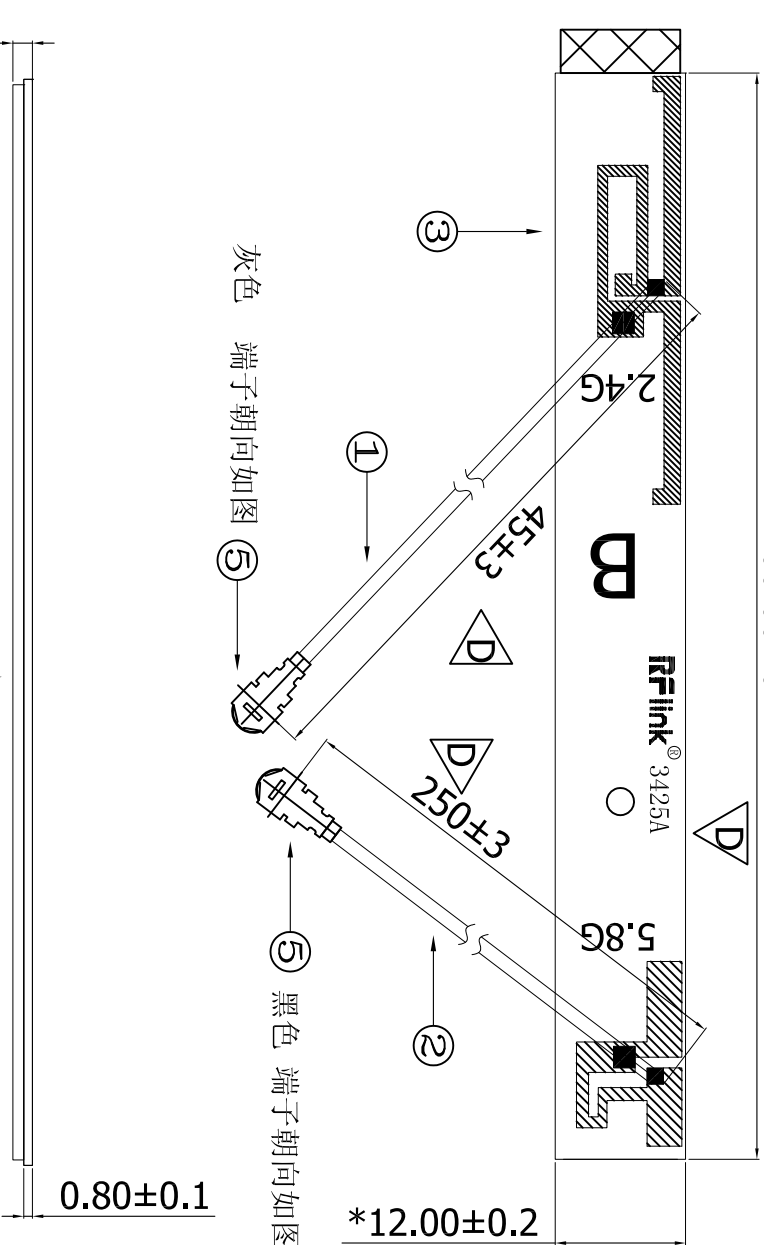
#### 四、规格表：

#### 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( $\Omega$ )	50	Impedance( $\Omega$ )	50
增益(dBi)	3.5 $\pm$ 0.5	PeakGain(dBi)	3.5 $\pm$ 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	端子	ConnectorType	MHFPlug
物理性能		PhysicalProperties	
天线材料	FR-4	Antennacover	FR-4
工作温度	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C	OperatingTemp	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C
保存温度	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C	StorageTemp	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C

REV	DATE	DESCRIPTION
A	2023-12-29	NEW ISSUE
B	2024-01-05	变更背胶材质
C	2024-01-17	变更线长
D	2024-01-26	变更PCB及线长

\*100.00±0.2



规格 Specification:

频率 Frequency Range : 2.4-2.5GHz  
5.15-5.825GHz

5	端子	2	Copper;
4	背胶	1	3M 300LSE; <b>B</b>
3	POB	1	FR-4;
2	线材	1	1.13 Black;
1	线材	1	1.13 Gray;
6	NO	Q'TY	REMARK

NO	DESCRIPTION	Q'TY	REMARK
1	产品符合环保RoHS 2.0之要求		
2	带公差尺寸为检验尺寸		

APPROVED	CHECKED	DRAWING
XXX ±2.0	X, ±0.5	.XX ±0.1
XX, ±1.0	X, ±0.2	

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

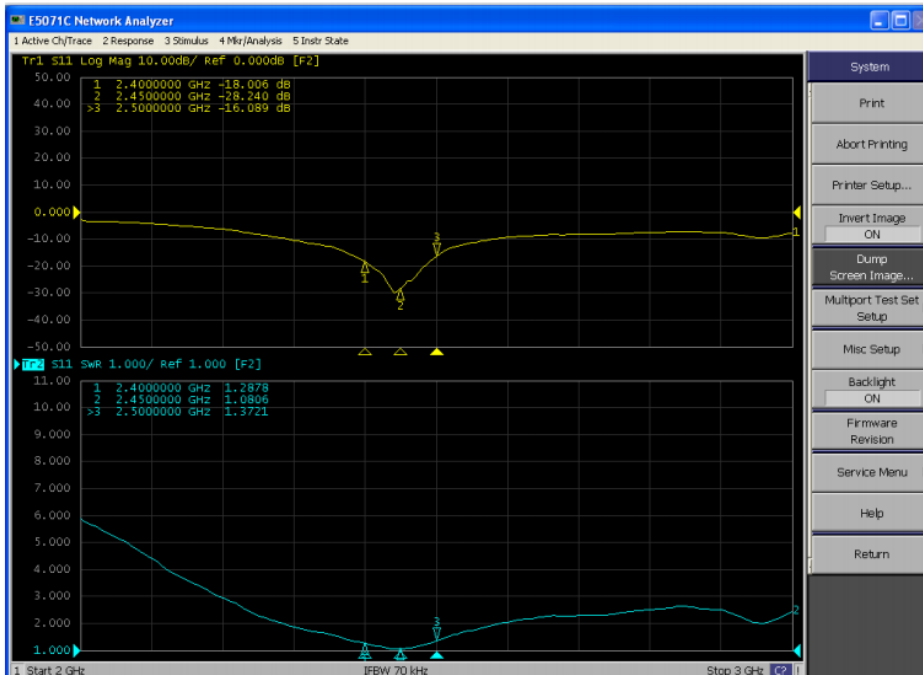
CUSTOMER:	PART NO :	PARTNAME :	R.F P/NO :
			U00T02S000N04920

REV	UNIT	SCALE	SIZE	SHEET
D	mm	1:1	A4	10F1

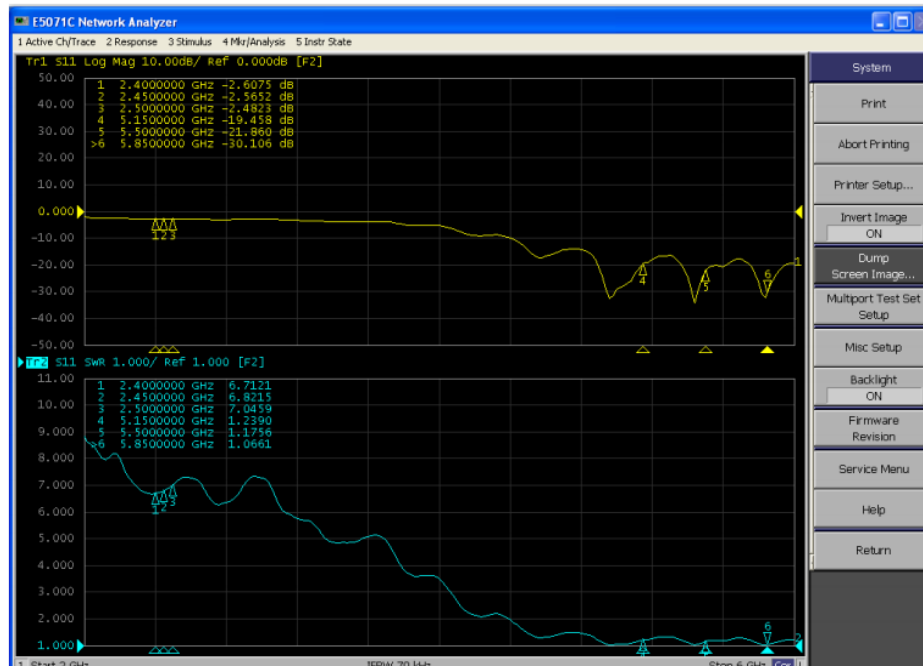
## 六.测试报告Testingreport

### 6.1网络分析仪测试报告

#### Measurement data--Return Loss & VSWR-2G-0

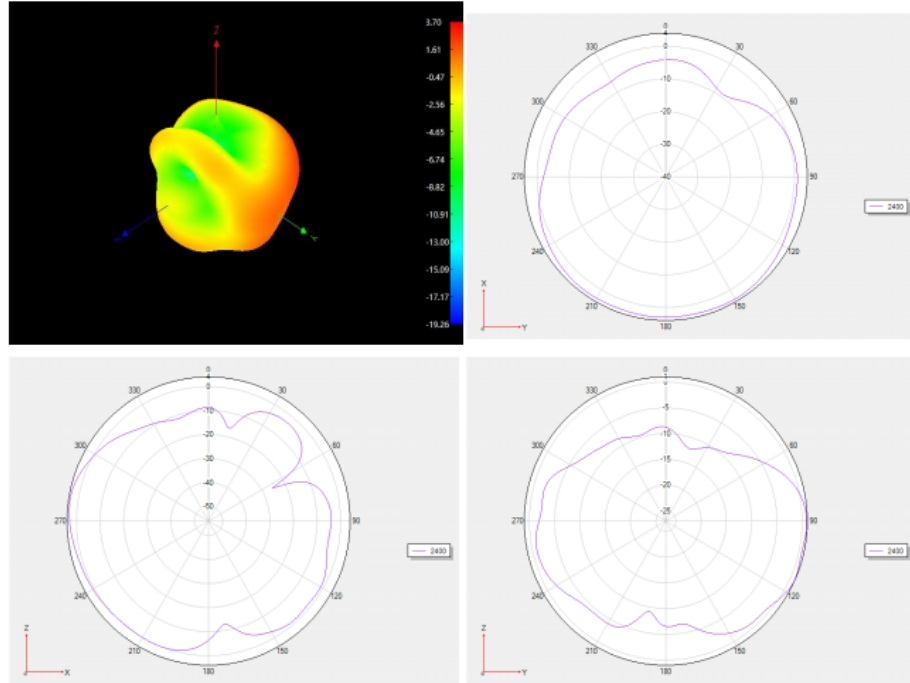


#### Measurement data--Return Loss & VSWR-5G-0

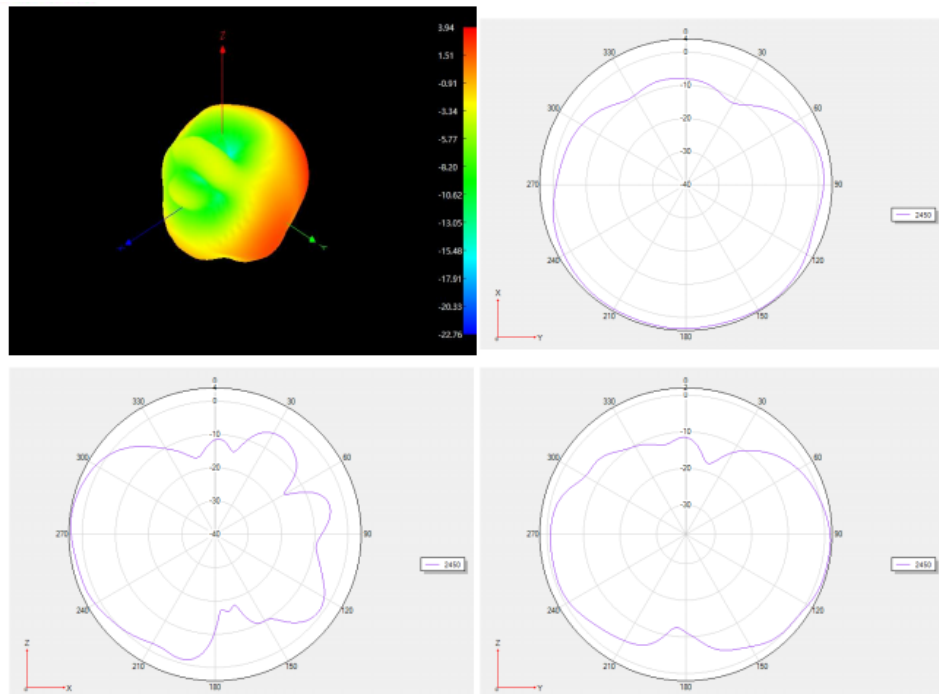


## 6.2 暗室3D、2DRadiationPattern

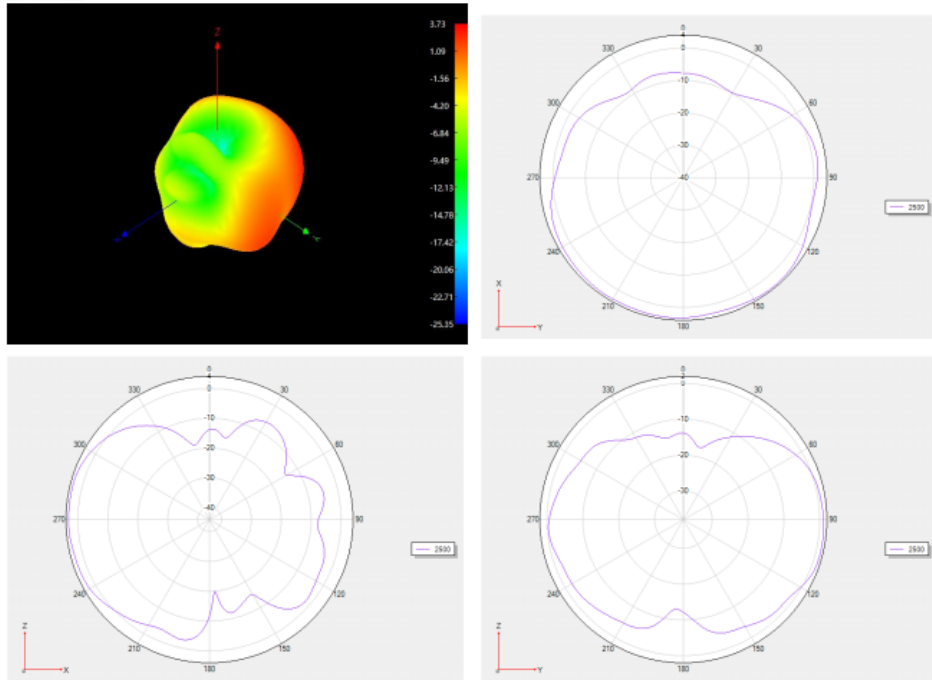
2G-0-2400MHz



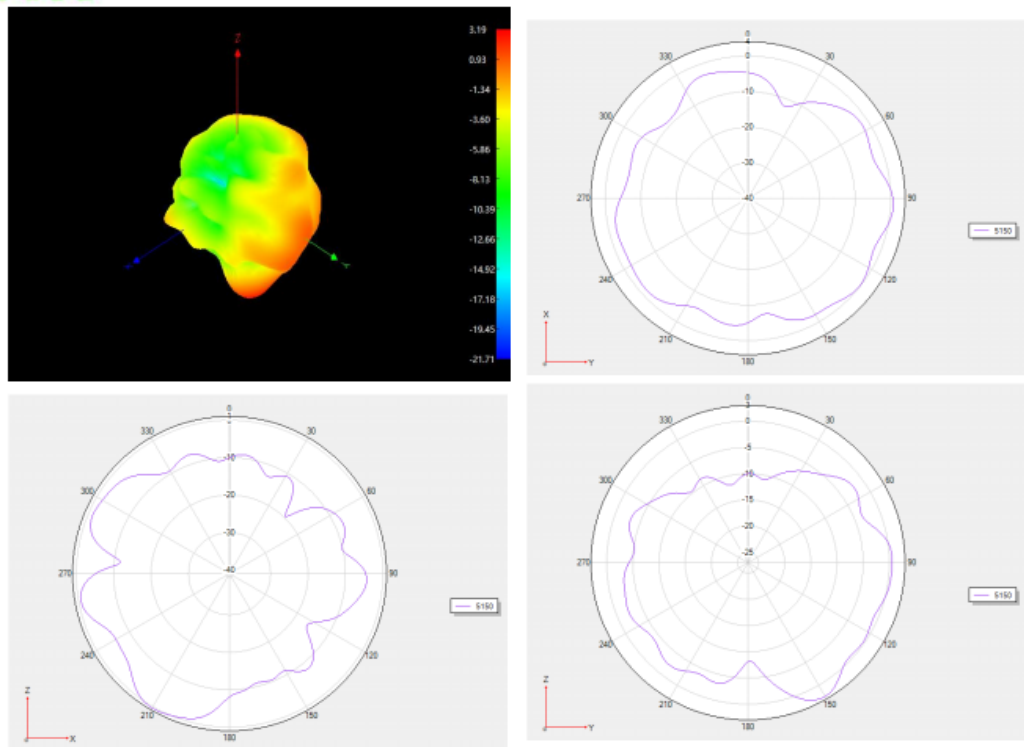
2G-0-2450MHz



### 2G-0-2500MHz

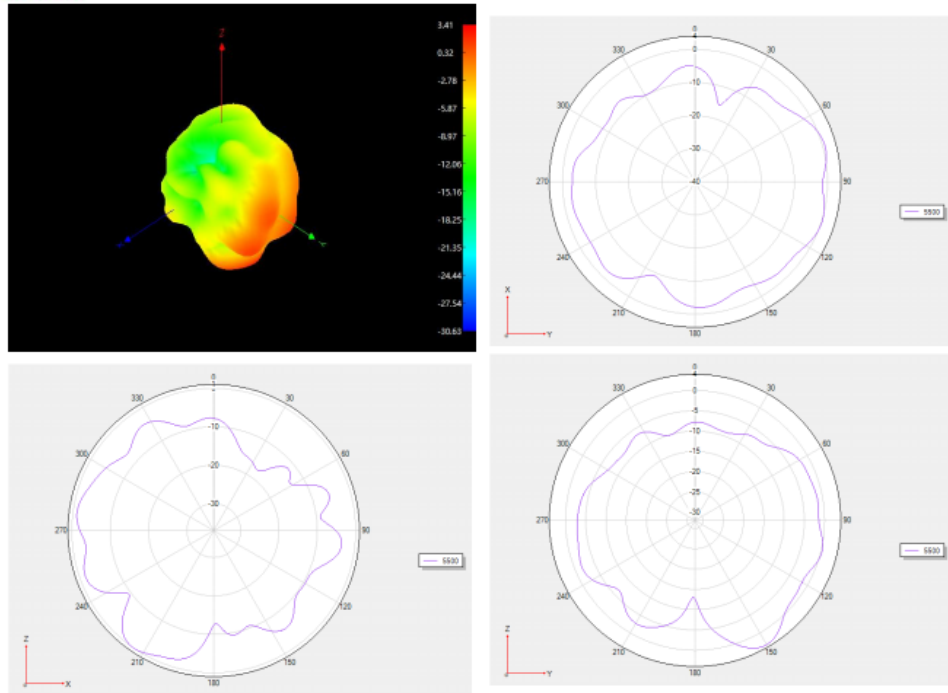


### 5G-0-5150MHz

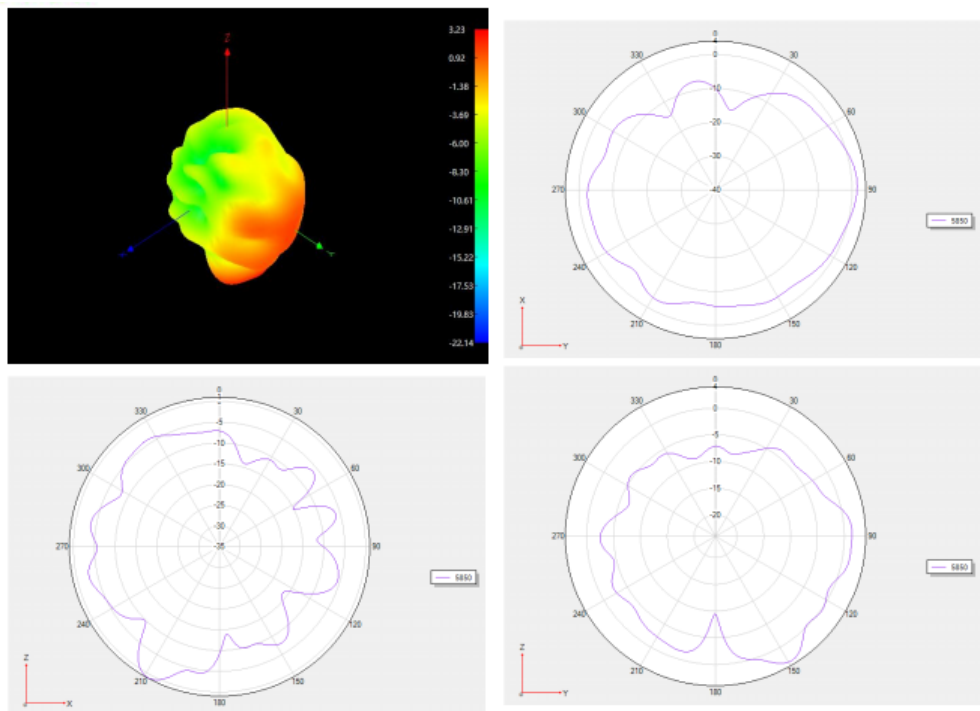




### 5G-0-5500MHz



### 5G-0-5850MHz



2G-0

Frequency / MHz	Gain/ dBi	Efficiency / %
2400	3.7	72.8
2410	3.92	73.85
2420	3.94	74.79
2430	3.98	75.9
2440	3.94	75.95
2450	3.94	76.9
2460	3.96	76.16
2470	3.8	72.9
2480	3.8	73.5
2490	3.78	71.7
2500	3.73	71.18

5G-0

Frequency / MHz	Gain/ dBi	Efficiency / %
5150	3.19	69.5
5200	3.24	70.11
5250	3.3	67.61
5300	3.5	70.96
5350	3.37	67.61
5400	3.41	68.31
5450	3.39	69.5
5500	3.41	70.45
5550	3.36	70.79
5600	3.4	70.28
5650	3.24	69.78
5700	3.29	71.82
5750	3.21	69.98
5800	3.31	70.61
5850	3.23	69.34