



manufacture:

Dongguan RF Electronic Technology Co., Ltd
any Address: No.1 Sankeng Industrial Zone, Qinghutou, Tangxia Town, Dongguan City
电话: 0769-38940168 传真: 0769-39010966 网址: http://rflink.net.cn

承认书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 共进

产品名称

PRODUCT NAME: 2.4G 外置天线 L=180MM

客户料号

CUSTOMER P/N:

仁丰料号

RenFeng P/N: 3020202220 REV:A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	顾思远	
AUDITOR BY:	肖玉鹏	
APPROVED BY:	姚定军	
DATE:	2025-03-13	



manufacture:

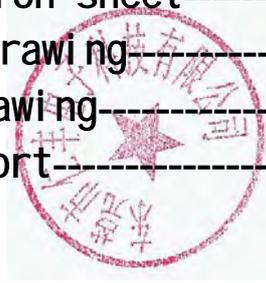
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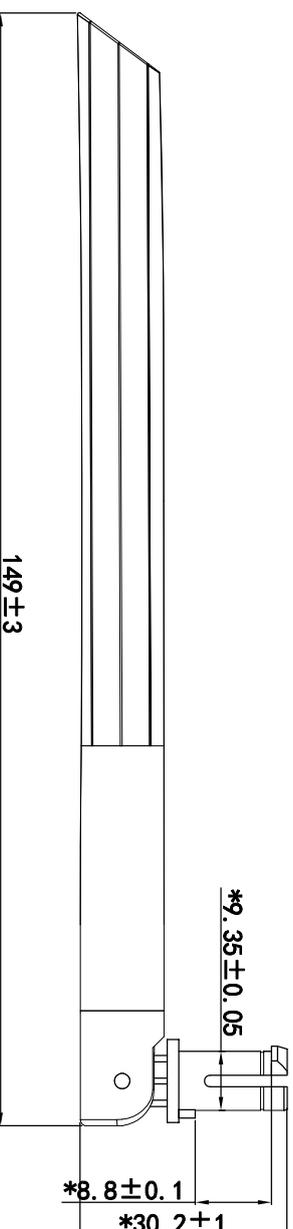
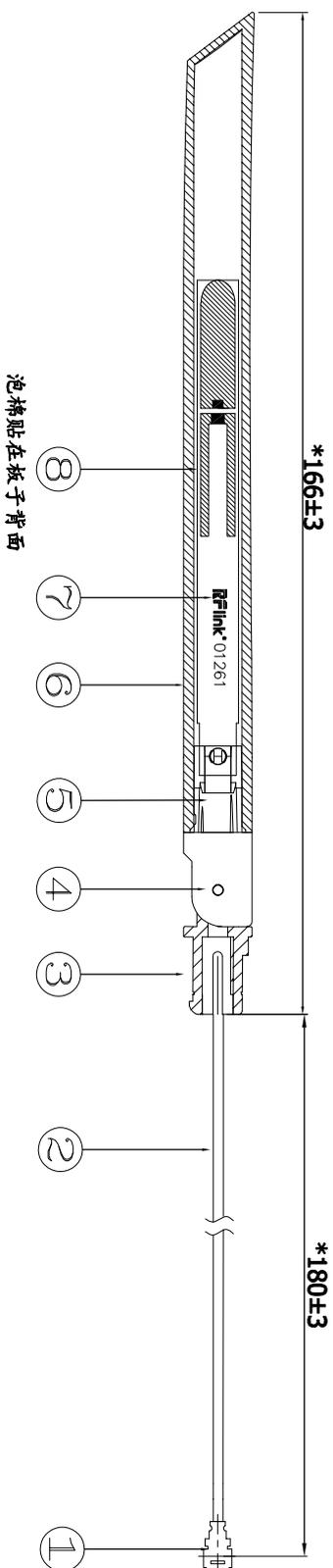
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产品主要技术参数

Main technical specifications

主要技术指标		Main technical specifications	
频率范围 (MHZ)	5150-5850	Frequency Range (MHZ)	5150-5850
中心频率 特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	2.25	Gain(dBi)	2.25
反射损耗	≤ -10	Return Loss(dB)	≤ -10
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
连接方式	出线	Connector Type	出线
物理性能		Physical Properties	
天线本体材 料	ABS	Antenna Base	ABS
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	2025-03-13	NEW ISSUE



8	泡沫棉	1	EVA; Black		
7	PCB	1	FR-4		
6	杆套	1	TPEE; Black		
5	上固定座	1	PC+ABS; Black		
4	铆钉	2	POM; Black		
3	下固定座	1	PC; Black		
2	线材	1	φ1.37 Black		
1	端子	1	Copper		
NO.	DESCRIPTION	QTY		REMARK	

尺寸范围 (mm)	公差 (mm)
0<L≤6	±0.10
6<L≤30	±0.10
30<L≤50	±0.15
50<L≤180	±0.20
180<L≤315	±0.25
315<L≤800	±0.35

角度	公差
±0.5°	

APPROVED	CHECKED	DRAWING

CUSTOMER:	PART NO.:	PARTNAME:	R.F P/NO.:
		RF Antenna Assembly	3020202220

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

规格 Specification:
 频率 Frequency Range: 2.4~2.5GHz
 回波损耗 Return loss: -10dB or less
 驻波比 VSWR: 1.92 max
 增益 Gain(peak): 2dBi

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

A

B

C

D

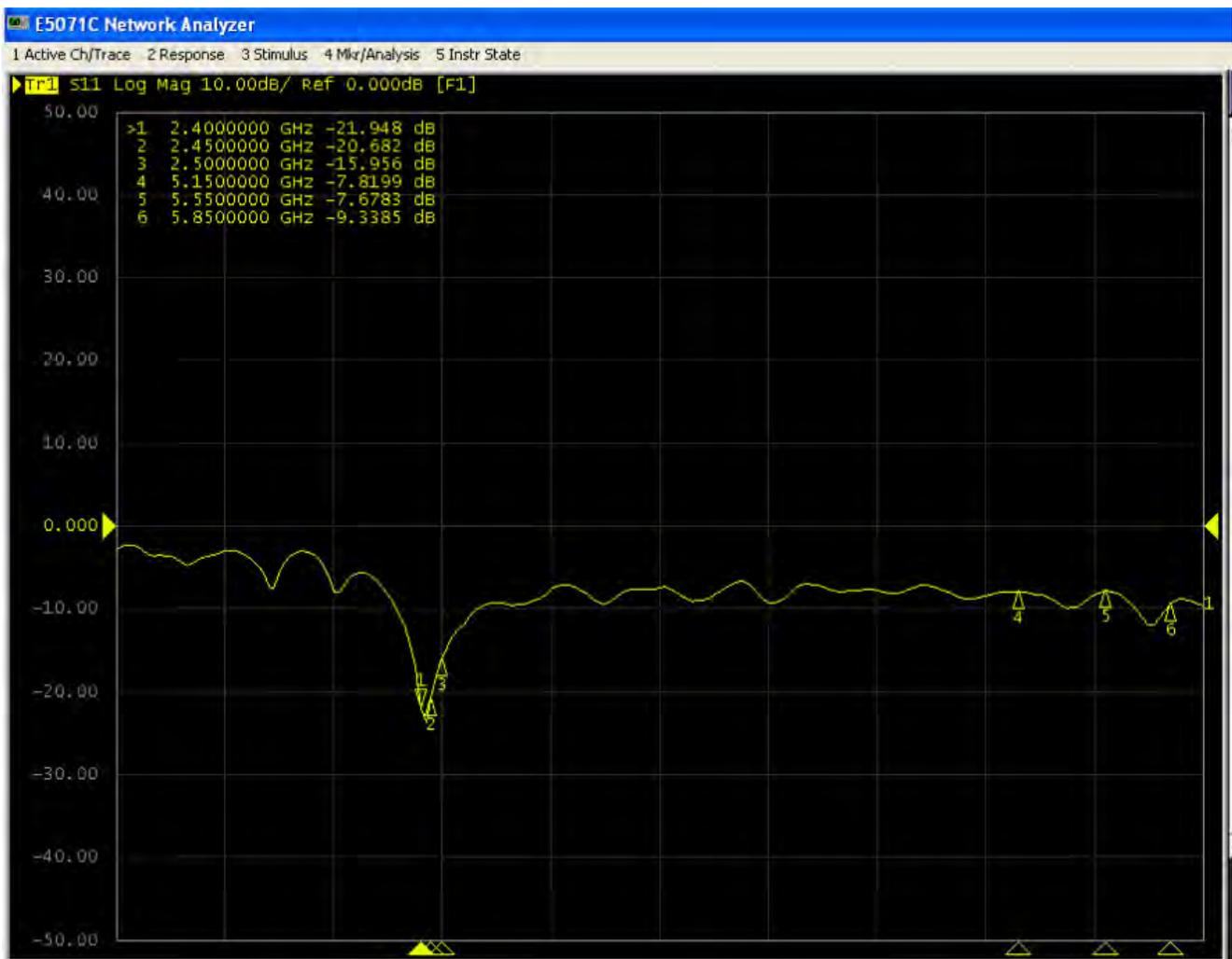
E

F

G

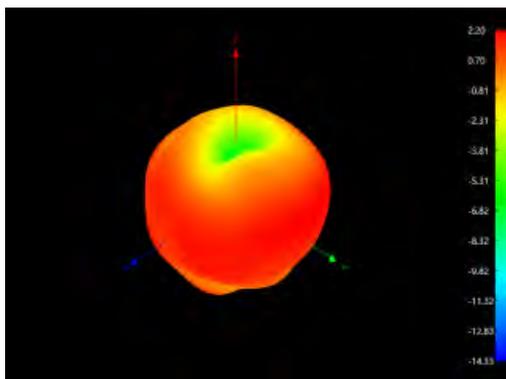
六、测试报告 (Testingreport) :

6.1网络分析仪测试报告 (Network analyzer test report)

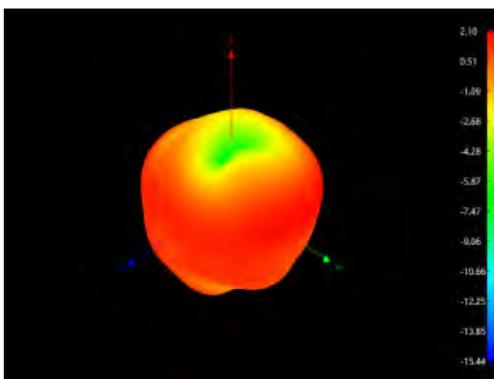


6.2 暗室3D、2DRadiationPattern

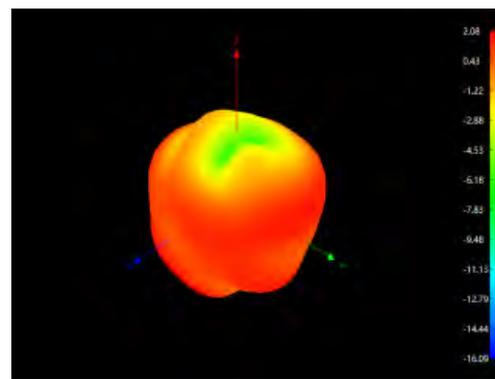
2400MHz



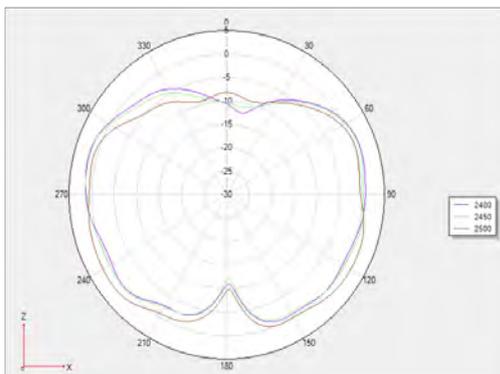
2450MHz



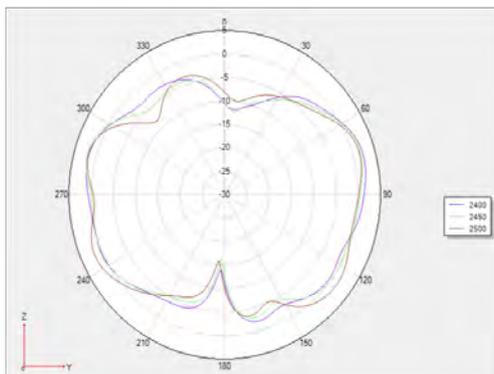
2500MHz



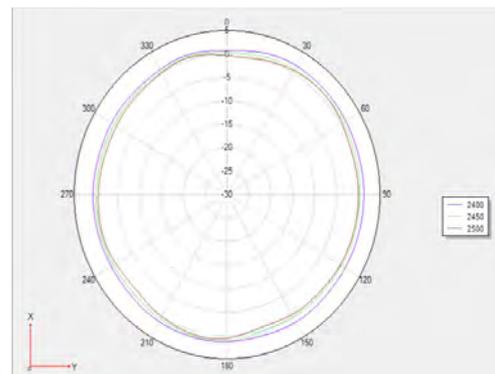
E1



E2



H





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2.4G		
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	71.64	2.20
2410	71.78	2.24
2420	72.78	2.18
2430	72.28	2.14
2440	75.34	2.02
2450	75.68	2.10
2460	74.47	2.14
2470	75.86	2.25
2480	75.86	2.19
2490	74.30	2.03
2500	72.95	2.08