

承 认 书

SPECIFICATION FOR APPROVAL

客户名称

Customer Name: _____

客户料号

Customer P/N: _____

劲风料号

Jing Feng P/N: JF91062

规格描述

Specification Description: SMA-dual-band black rubber antenna

制作日期

Production Date: 2024-03-02

出厂确认 (Factory Confirmation) :

部 门 (Department)	审 核 (CHECKED BY)	批 准 (APPROVED BY)
射频部 (RF Department)	Tan Mu Chen	 Wang Shuo
结构部 (Structure Department)	Zhao Peng Tao	
品质部 (Quality Department)	Liu Xiao Jun	

Manufacturer: Jinan USR IOT Technology Limited

Address: Floor F1 & Part of Floor F2, Building No. 9, Diya shuang chuang Industrial Zone, No.2566 Century Main Road, Gaoxin District, Jinan, Shandong, China

△ 文件制定、修改、废止记录 (Record Of Document Formulation, Modification And Abolishment)

文件名称 (File name)	日 期 (Date)	控制版次 (Control version)	关联内容 (Related content)	制 定 (Formulate)	批 准 (Approved)
样品承认书 (Sample Approved)	2024. 03. 02	V1	First	Zhao Peng Tao	Wang Shuo

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4、产品性能参数(Main technical specifications)

电气参数(Electrical Parameters)	
频率范围 Frequency Range(MHZ)	2400-2500MHz 5150-5850MHz
输入阻抗 Impedance(Ω)	50 Ω
驻波比 VSWR	≤ 2.0
增益 Peak Gain(dBi)	4-5dBi
功率容量 Power Capacity	1W
耐压测试 Withstand Voltage Test	1KV
通断测试 On-off test	PASS
极化方式 Polarization	Linear, Vertical
辐射方向 Radiation	Omni-Directional
连接方式 Connector Type	SMA
机械参数 Mechanical Parameters	
拉拔力 Drawing force	1KG
盐雾试验 Salt Spray Test	24H
同轴线类型 Cable Type	RG178 棕色线
环境参数 Environmental Parameters	
工作温度 Operating Temp	-20 $^{\circ}$ C~+65 $^{\circ}$ C
储存温度 Storage Temp	-30 $^{\circ}$ C~+75 $^{\circ}$ C

文档受控编号: JF-QS-WJ-023. 存档期: 7 年. 文件涉及到相关项目技术设计参数, 如有任何需要沟通的信息可以联系公司电话: 北京 010-80257683 或 深圳 0755-23076842

A		B		C		D		E		F		G	
REV		DATE		ECN NO.		REVISION		CHANGE PERSON					

RoHS Compliant

NOTES:

- 100% complete inspection of finished products is OK.
- 100% test of finished product is OK.
- Ownership process meets RHOS requirements.
- Welding without false welding, virtual welding, product scald and other adverse phenomena, each part after assembly should be smooth and clean, no oil, scratches, deformation and other bad appearance.

Technical requirements:

- Operating frequency: 2400~2500/5150~5850MHz Pattern
- The VSWR: 2.0 or less
- Gain: 4.0±0.5dBi
- Impedance :50Ω

No.	PART NAME	DESCRIPTION	Q'TY	REMARK
⑦	SMA	SMA connector	1	
⑥	Foam	Black foam	1	
⑤	Spring	φ0.8 L90mm brass	1	
④	PCB board	FR4-2.4/5.8GHz-PCB	1	
③	Pole sleeve	Black rod sleeve -ABS	1	
②	Upper fixing seat	Black -TPPE	1	
①	CABLE	RG178 Brown line	1	

TOLERANCE

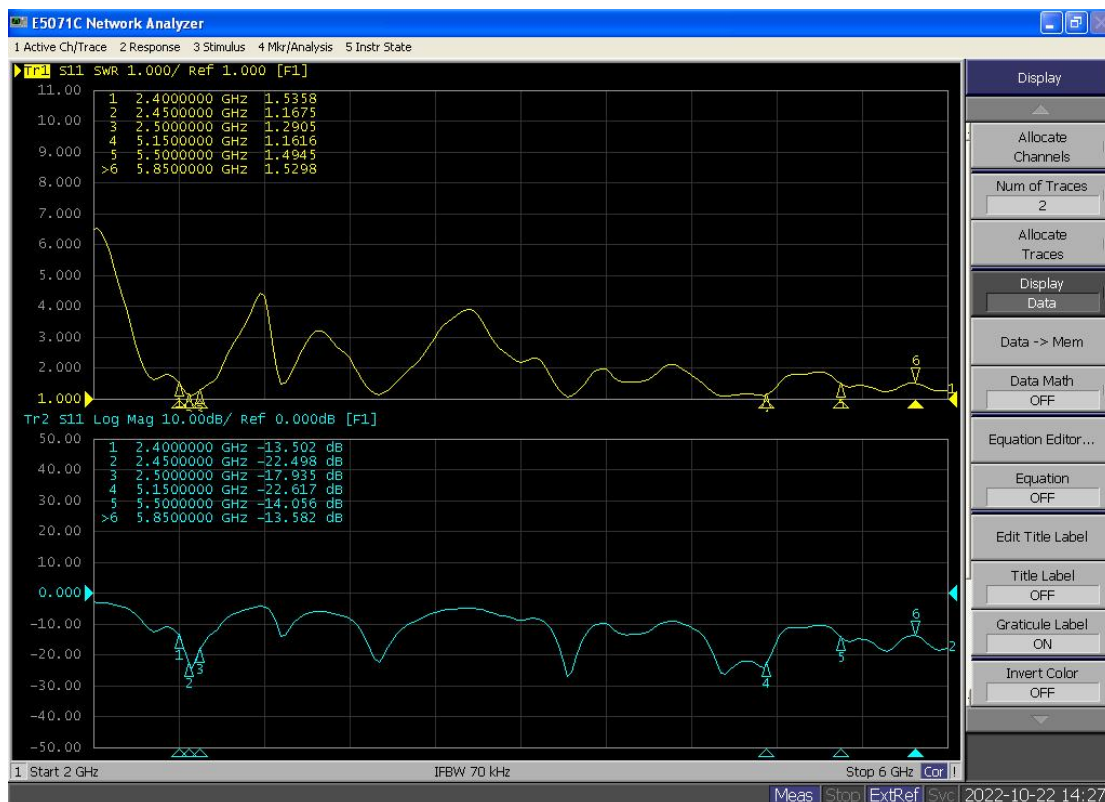
XX. ±1
X. ±0.30
X.X ±0.20
X.XX ±0.10
ANGULAR ±5°

THIRD PERSPECTIVES

Beijing Jinfeng Technology Co., LTD		TITLE: SMA- dual-band black rubber antenna	
APPROVED BY	CUSTOMER NUMBER	DATE	REV
CHECKED BY	CUSTOMER PART No.	2024.03.02	7
DRAWN BY	PROVIDER PART No.	JF91062	PAGE 1/1

6、电气性能测试报告 (Electrical Performance Test report)

VSWR/Return Loss



效率&增益 (Efficiency & gain) :

Freq (MHz)	Effi (%)	Gain (dBi)
2400	71.22	4.47
2410	68.68	4.11
2420	73.7	4.16
2430	73.41	4.27
2440	71.97	4.34
2450	66.84	4.52
2460	76.91	4.59
2470	72.76	4.84
2480	71.58	4.45
2490	71.33	4.52
2500	73.52	4.34
Freq (MHz)	Effi (%)	Gain (dBi)
5100	71.22	4.54
5200	68.68	4.58
5300	73.72	4.52
5400	72.41	4.41
5500	72.97	4.93
5600	73.84	4.85
5700	75.91	4.53
5800	73.76	4.75
5900	73.58	4.71

3D Radiation pattern:

