

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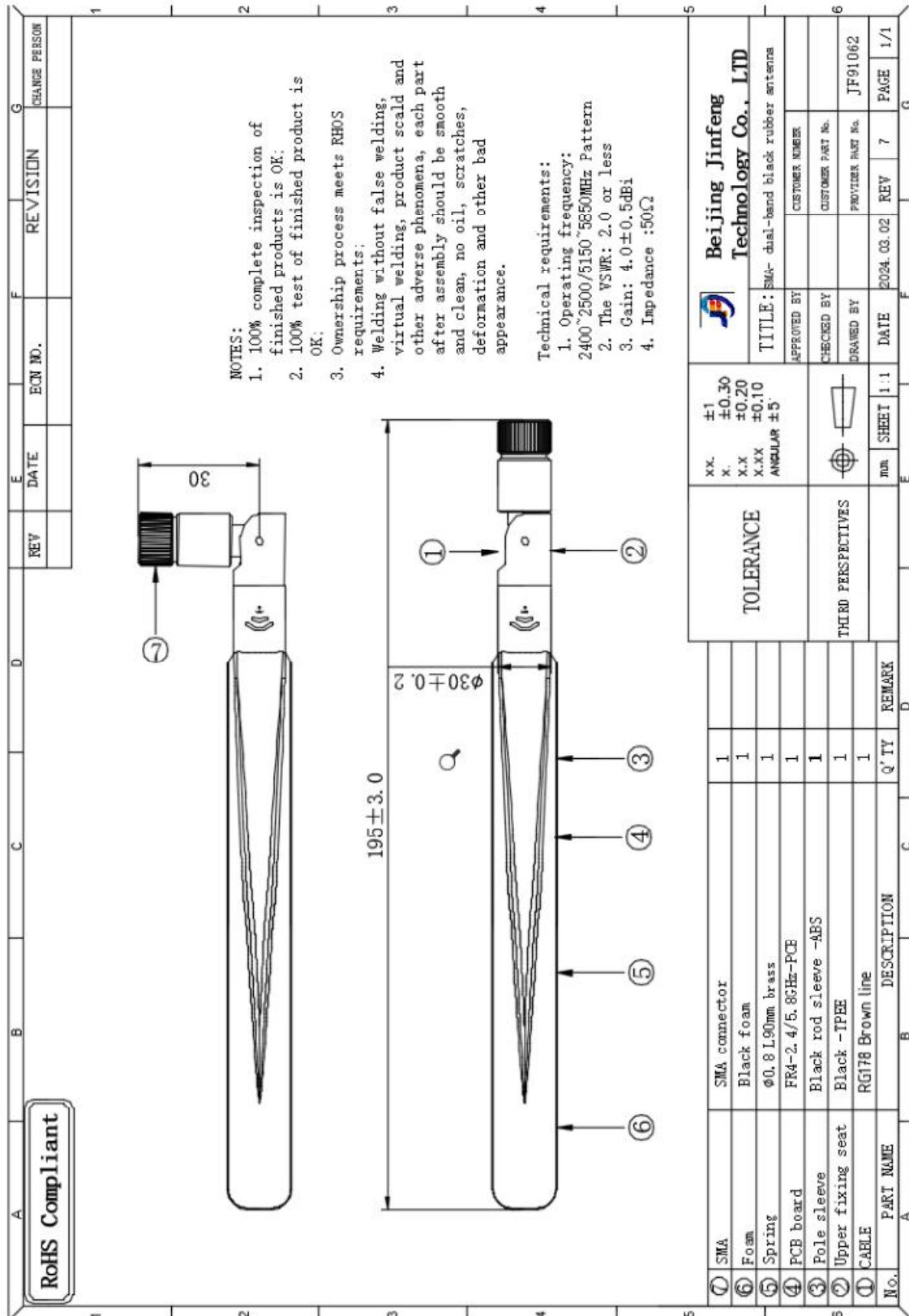
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4、产品性能参数(Main technical specifications)

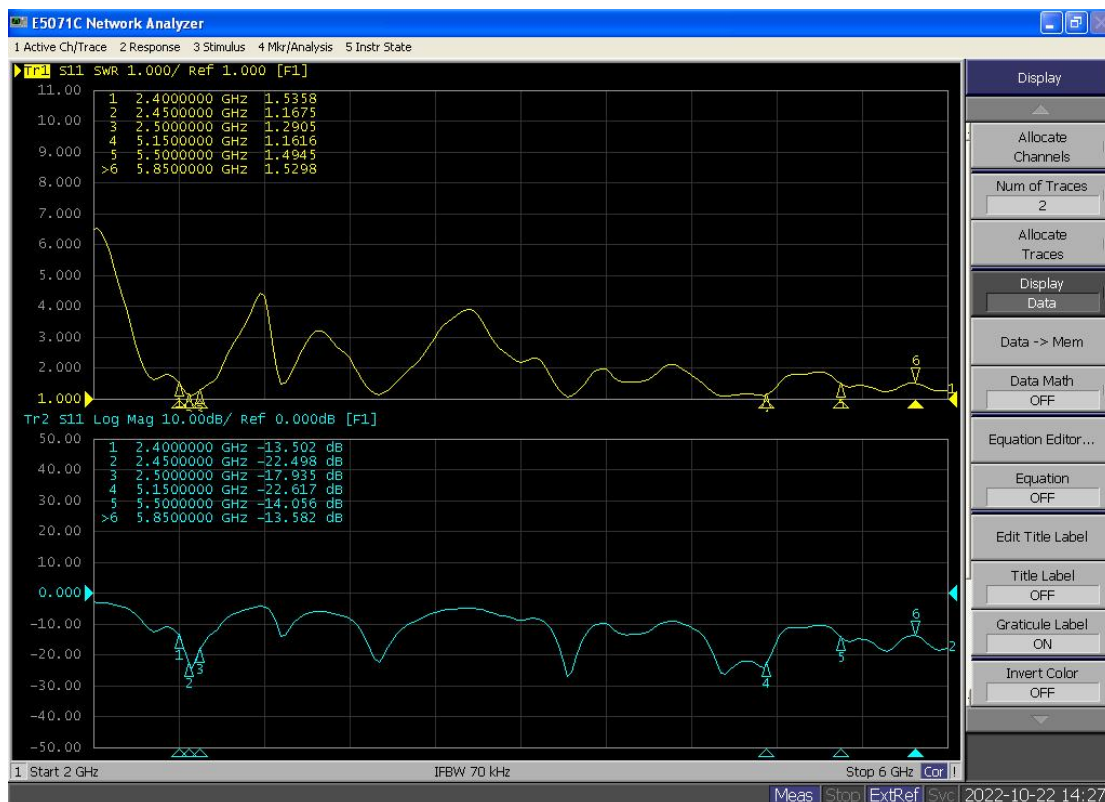
电气参数(Electrical Parameters)	
频率范围 Frequency Range(MHZ)	2400-2500MHz 5150-5850MHz
输入阻抗 Impedance(Ω)	50 Ω
驻波比 VSWR	≤ 2.0
增益 Peak Gain(dBi)	4-5dBi
功率容量 Power Capacity	1W
耐压测试 Withstand Voltage Test	1KV
通断测试 On-off test	PASS
极化方式 Polarization	Linear, Vertical
辐射方向 Radiation	Omni-Directional
连接方式 Connector 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

5、产品构图纸 (Product drawing)



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:

