

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: JF8897-2

规格描述

Specification Description: SMA(Female needle)-RG178 Brown -2.4G Black
blade Rubber antenna -L200MM

制作日期

Production Date: 2025-01-10

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)	Liang Sen	Wang Shuo
品质部 (Quality Department)	Liu Xiao Jun	Wang Shuo

客户确认 (Customer Confirmation) :

检 查 (INSPECTION)	审 核 (CHECKED)	批 准 (APPROVED)

[illegible]

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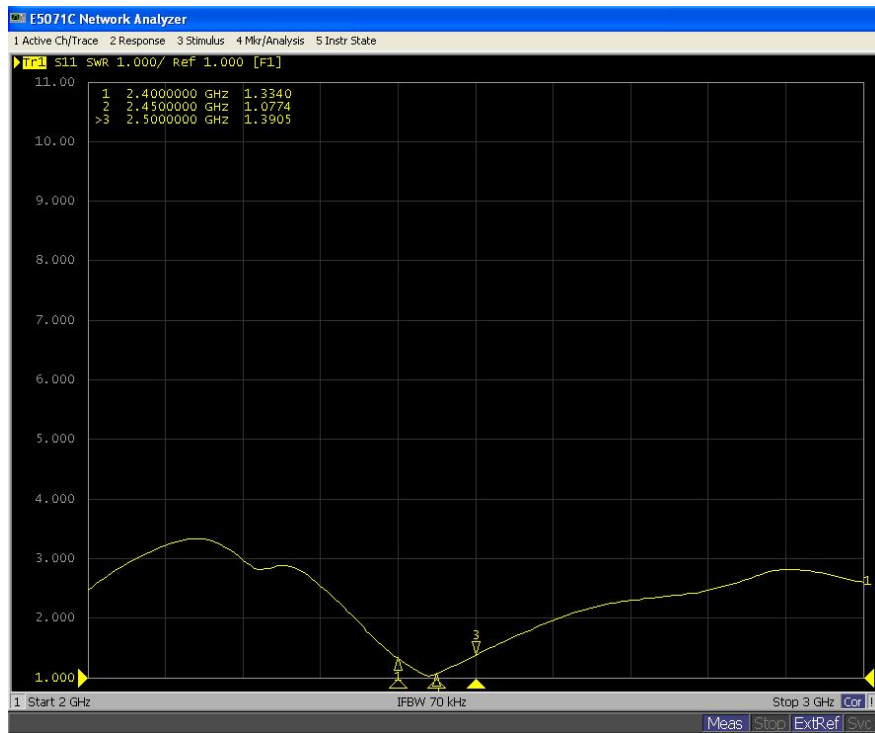
4、产品性能参数(Main technical specifications)

电气参数(Electrical Parameters)	
频率范围 Frequency Range(MHZ)	2400-2500MHz
输入阻抗 Impedance(Ω)	50 Ω
驻波比 VSWR	≤ 2.0
增益 Peak Gain(dBi)	5 $\pm$ 0.5dBi
功率容量 Power Capacity	1W
耐压测试 Withstand Voltage Test	1KV
极化方式 Polarization	Linear, Vertical
辐射方向 Radiation	Omni-Directional
连接方式 Connector Type	SMA(Male head female needle)
机械参数 Mechanical Parameters	
天线尺寸 Length (mm)	L=200MM
盐雾试验 Salt Spray Test	24H
同轴线类型 Cable Type	RG178 Brown
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

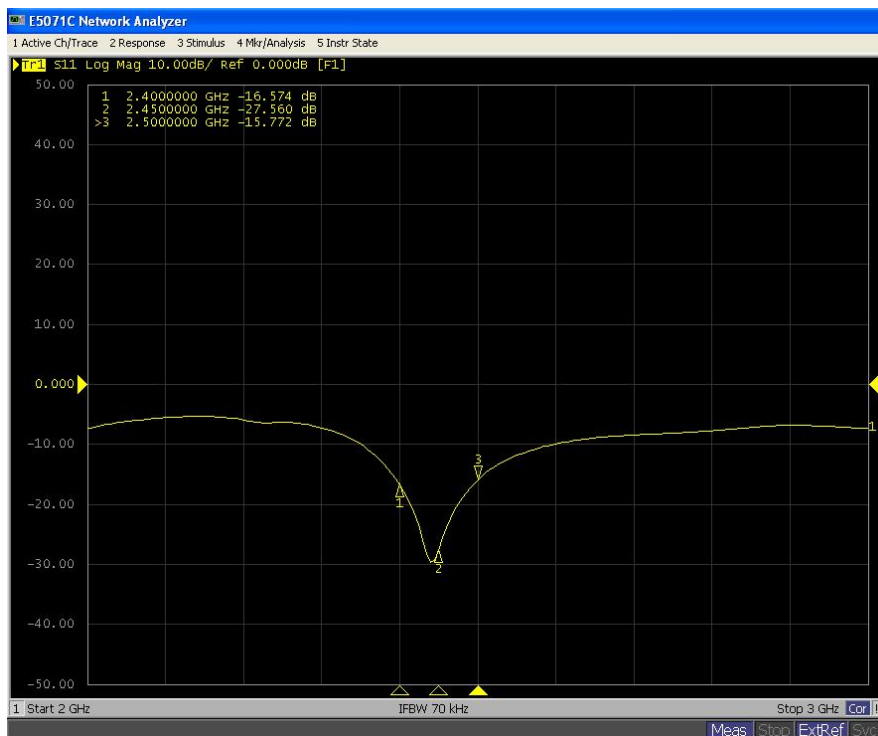
Technical drawing of a female SMA connector antenna. The drawing includes a side view showing dimensions: total length 160.0 ± 2 mm, distance from base to SMA connector 18.1 mm, SMA connector diameter Ø13 mm, and SMA connector length 23.2 mm. A top view shows a 90-degree angle. A cross-section view shows internal components labeled 1 through 7. A table lists the parts: 1. Foam, 2. Spring, 3. PCB board, 4. Black rod set, 5. Black solid, 6. Black under solid, 7. SMA joint. The drawing is titled 'SMA (female needle) -RG178 Brown -2.46 black blade rubber antenna' and is from Beijing Jinfeng Technology Co., Ltd.

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

2. 4G-VSWR



2. 4G-Return Loss

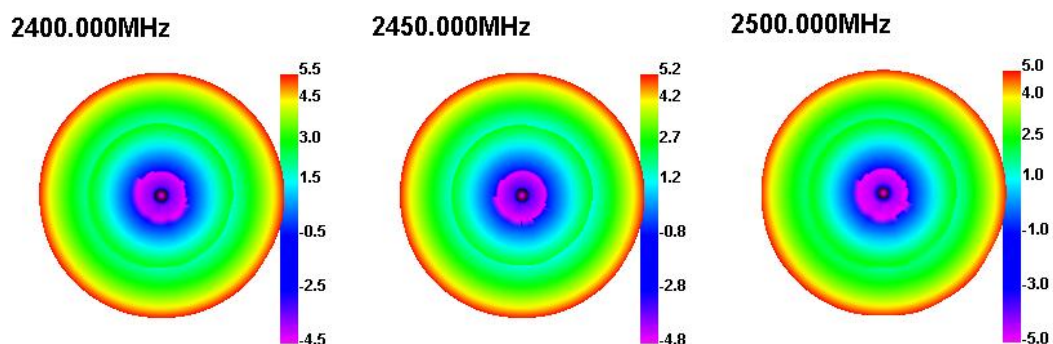


效率&增益 (Efficiency & gain) :

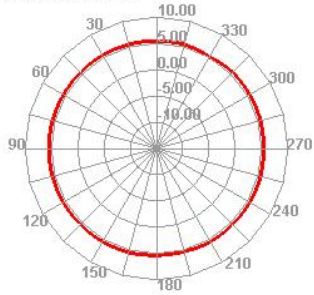
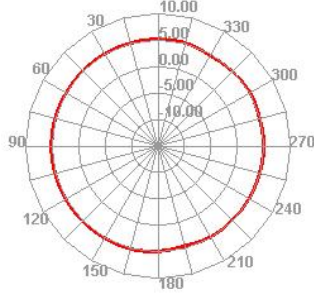
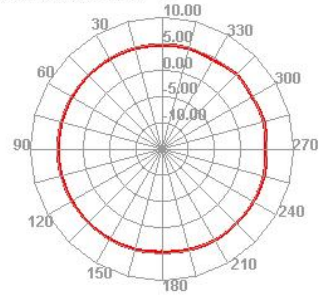
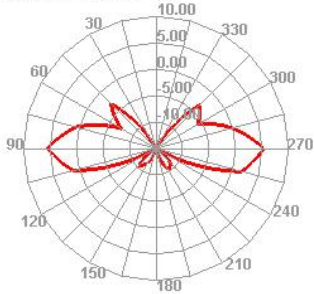
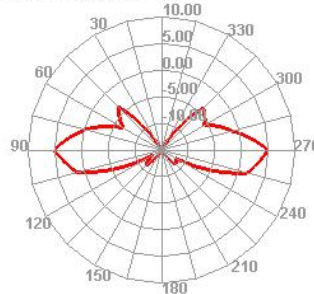
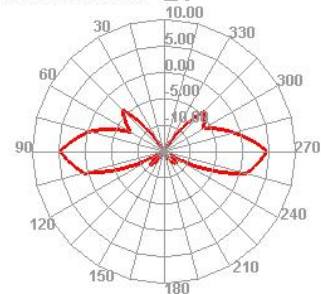
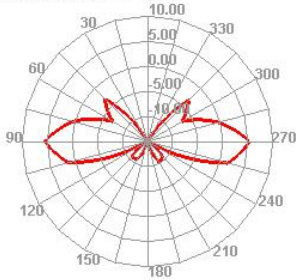
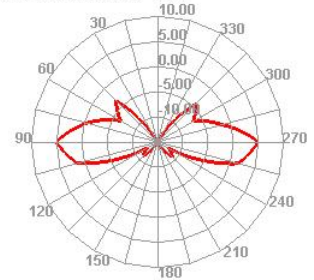
Freq	Effi	Gain
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(MHz)	(%)	(dBi)
2400	76.60	5.32
2410	75.92	5.06
2420	78.35	5.11
2430	76.32	5.23
2440	74.29	5.14
2450	74.07	5.13
2460	75.17	5.22
2470	75.72	5.06
2480	78.37	5.05
2490	73.29	5.14
2500	75.35	5.04

3D Radiation pattern:



2D Radiation pattern:

2400.000MHz H

2450.000MHz H

2500.000MHz H

2400.000MHz E1

2450.000MHz E1

2500.000MHz E1

2400.000MHz E2

2450.000MHz E2

2500.000MHz E2
