



上海圣丹纳无线科技有限公司

Shanghai Saintenna Wireless Technology Co., Ltd.

编号: SDN-RD-FY-2023120801

# 承认书

## APPROVAL SHEET

客户名称 Customer	艾罗			
客户料号 Customer P/N				
项目名称 Project Name	ECC WiFi刀锋外置天线RP-SMA-Male			
供应商名称 Supplier	上海圣丹纳无线科技有限公司 Shanghai Saintenna Wireless Technology Co. , Ltd.			
圣丹纳物料型号 Saintenna P/N	SAA32130D			
是否符合 RoHS ROHS Compliant	Yes			
送样日期 Providing Date				
供应商 Supplier	制定 Prepared by	设计 Designer	品质 QA	批准 Approver
地址: 上海市宝山区园丰路69号1幢601室 Address: Room 601, Building 1, No. 69 Yuanfeng Road, Baoshan District, Shanghai 200444, China				
电话/Tel: 086-021-56165098; 传真/Fax: 086-021-56165098				
客户 Customer	编制 Prepared by	审核 Checked by	批准 Approver	

注: 必须手工签字确认(Note: Signature must be confirmed by hand)

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- 五 电性能报告/Electrical Report.....

# 规格/Specification

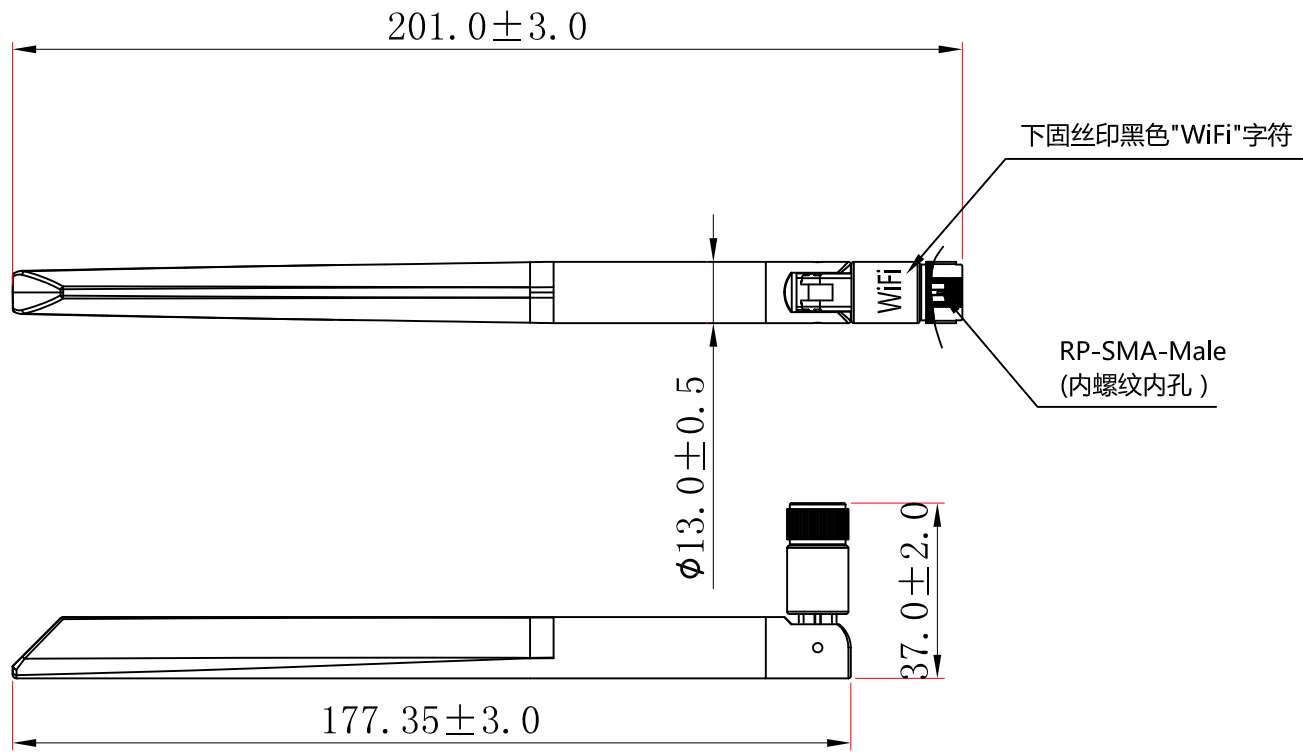
## 1. 机械规格/Mechanical Specification

- 连接方式/Connect Type..... RP-SMA-Male
- 工作温度/Work Temperature..... -40~75℃
- 存储温度/Storage Temperature..... -40~75℃

## 2. 电性能参数/Electrical Specification

- 频段/Frequency Range..... 2400MHz~2500MHz
- 驻波比/VSWR..... <1.5
- 效率/Efficiency..... <70.84%
- 增益/Peak Gain..... 2.23dBi
- 极化/Polarization..... Linear
- 特性阻抗/Input Impedance..... 50Ω
- 最大承载功率/Max Input Power..... 5W

标记	签名	修改内容	日期



5	Connector	RP-SMA-J for 1.78mmCable,White	1	
4	Cable	RG178 Cable,Brown ,50Ω	1	
3	Bottom Base	PBT+PC,Color,White	1	
2	Upper Base	PC+PBT,Color,White	1	
1	Antenna Cap	TPEE,Color,White	1	
NO		Decription	QTY	Remark



上海圣丹纳无线科技有限公司

Third Projection				项目名称	S1895	日期	2023.12.26				
0~3	±0.10	⊕	0.30	产品名称	2.4G外置天线	设计	MD	mayuxue			
3~30	±0.30	○	0.30				RF	huangjinxiang			
30~50	±0.50	◎	0.30				批准				
50~80	±1.00	⊥	1.00				单位 mm 比例 FIT 版本 P1				
角度	±1°	∠	1.00	产品料号	SAA32130D		第 1 页, 共 1 页				



# 艾罗ECC天线数据报告

上海圣丹纳无线科技有限公司

Shanghai Saintenna Wireless Technology Co., LTD.

# Project Information

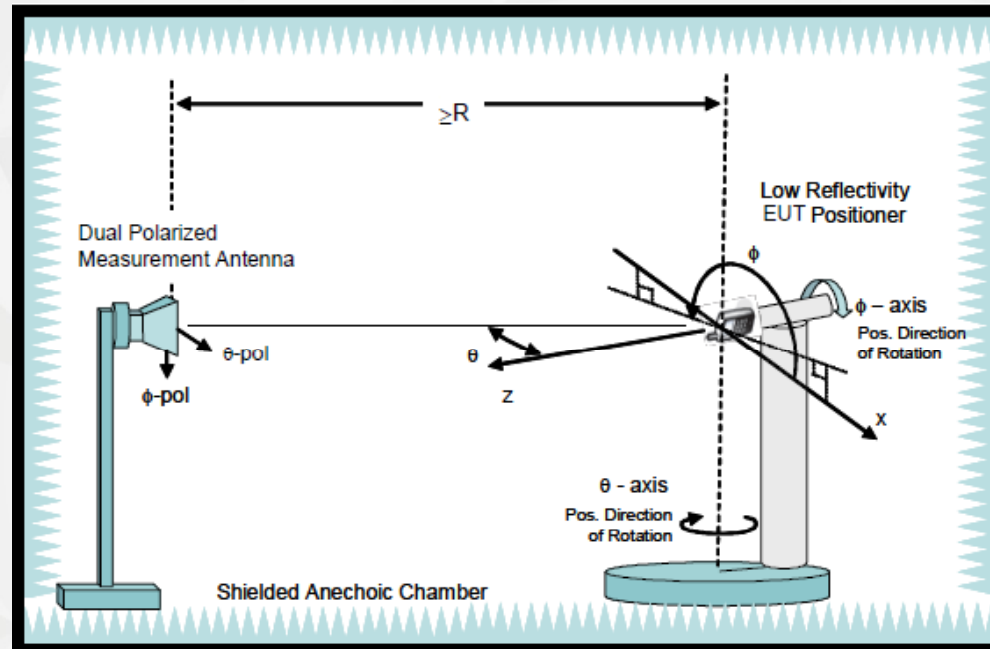
客户名称 Customer Name	艾罗
项目名称 Project Name	ECC
工作频段 Working Band	WiFi 天线频段：2.4~2.5GHz
规格 Description	
撰写 Author	黄金祥
日期 Date	2023-12-26

# Tuning Instrument

Network Analyzer	Agilent E5071C
Frequency Range	100KHz ~ 8.5GHz
Test Item	Return Loss/VSWR/Smith Chart /Isolation



# Typical Setup for Test System



Combined-Axes System

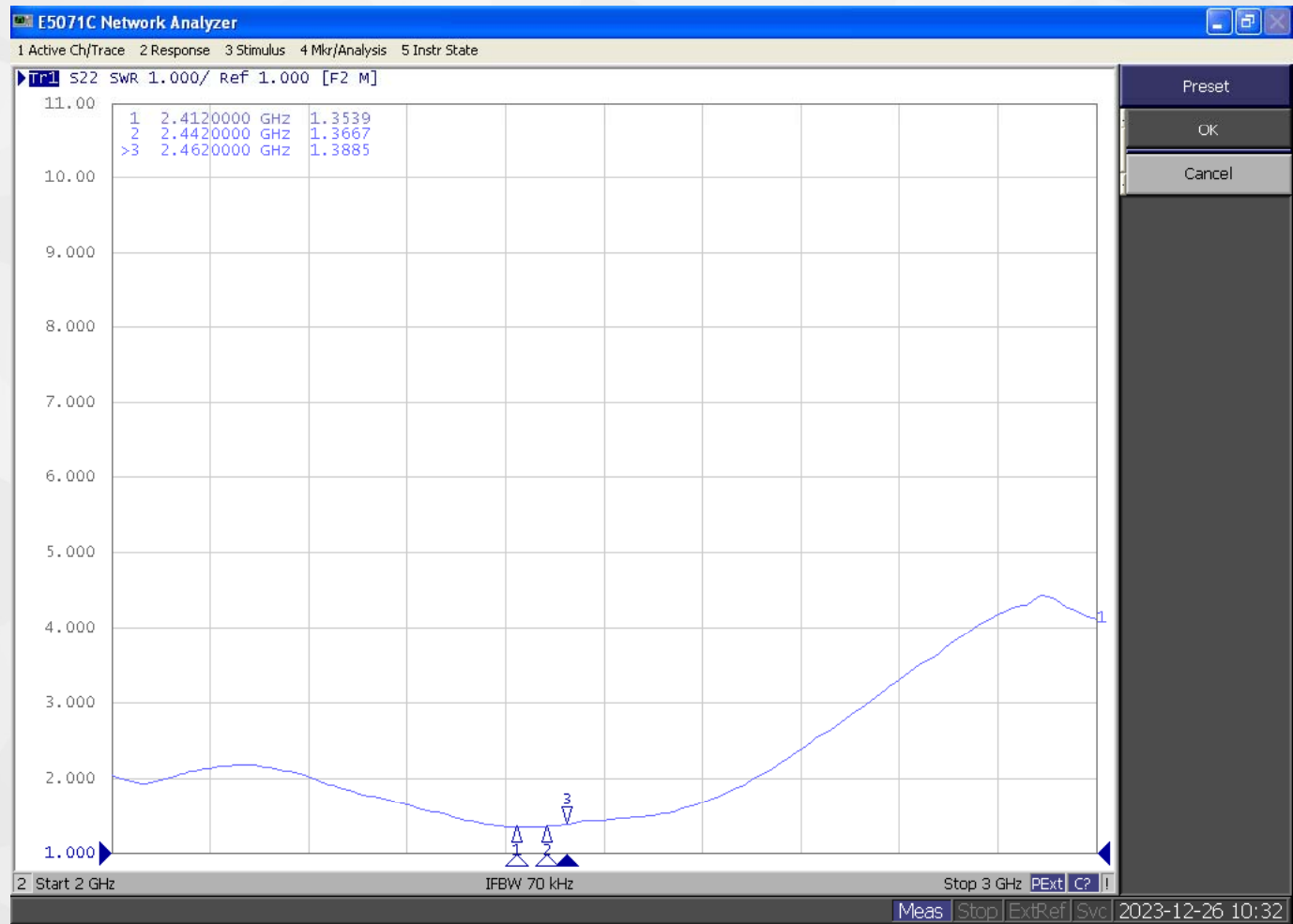


# Product images



# VSWR

# WIFI



# Passive Test Result

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	1.55	69.39
2410	1.75	70.84
2420	1.79	70.27
2430	1.89	70.45
2440	2.05	71.1
2450	2.02	69.43
2460	2.01	67.57
2470	2.23	69.11
2480	2.23	69.06
2490	2.3	68.35
2500	2.23	65.15

Mode	Channel	TRP (dBm)	Channel	TIS (dBm)
WIFI_B(1M)	2412	18.05	2412	-91.59
WIFI_B(1M)	2437	18.96	2437	-92.91
WIFI_B(1M)	2462	18.9	2462	-92.3
WIFI_B(11M)	2412	18.56	2412	-81.62
WIFI_B(11M)	2437	19.03	2437	-83.24
WIFI_B(11M)	2462	19.02	2462	-83.96
WIFI_G (6M)	2412	16.78	2412	-86.53
WIFI_G (6M)	2437	17.1	2437	-88.26
WIFI_G (6M)	2462	17.16	2462	-87.7
WIFI_G (54M)	2412	16.77	2412	-69.5
WIFI_G (54M)	2437	17.11	2437	-72.06
WIFI_G (54M)	2462	17.19	2462	-71.3
WIFI_N ISM	2412	15.36	2412	-66.77
WIFI_N ISM	2437	15.92	2437	-68.96
WIFI_N ISM	2462	15.99	2462	-68.27