

APPROVAL SHEET

Customer				
Customer P/N				
Project Name	860-930MHz Antenna			
Supplier	Shanghai Saintenna Wireless Technology Co. , Ltd.			
Saintenna P/N	SAA32315D			
ROHS Compliant	Yes			
Providing Date				
Supplier	Prepared by	Designer	QA	Approver
Address: Room 601, Building 1, No. 69 Yuanfeng Road, Baoshan District, Shanghai 200444, China				
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Customer	Prepared by	Checked by	Approver	

Note: Signature must be confirmed by hand

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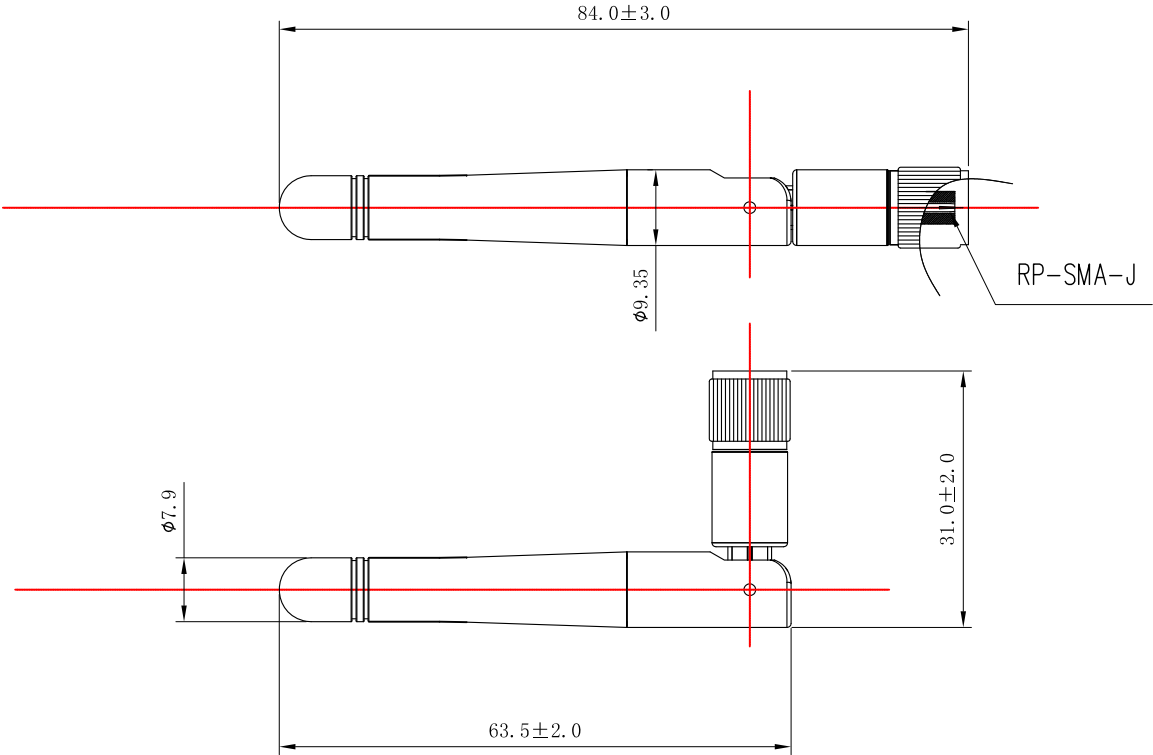
Specification

1. Mechanical Specification

- Connect Type..... RP-SMA-Male
- Work Temperature..... -40~75℃
- Storage Temperature..... -40~75℃
- Salt spray tolerance..... 48H

2. Electrical Specification

- Frequency Range..... 860MHz~930MHz
- VSWR..... <3
- Efficiency..... <51.55%
- Peak Gain..... 0.42dBi
- Polarization..... Linear
- Input Impedance..... 50Ω
- Max Input Power..... 5W



5	Connector	SMA Female for 1.78mm Cable	1	
4	Cable	RG178 Cable,Beige ,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



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				S1988				2025.01.03			
0~3	±0.10		0.10								
3~30	±0.20		0.10	860-930MHz		MD		mayuxue			
30~50	±0.30							zhengzhen			
50~80	±0.50		0.10	SAA32315D							
角度	±1°		0.10								
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						mm		FIT		P1	



Glue stick antenna commissioning report

Shanghai Saintenna Wireless Technology Co., LTD.

Project Information

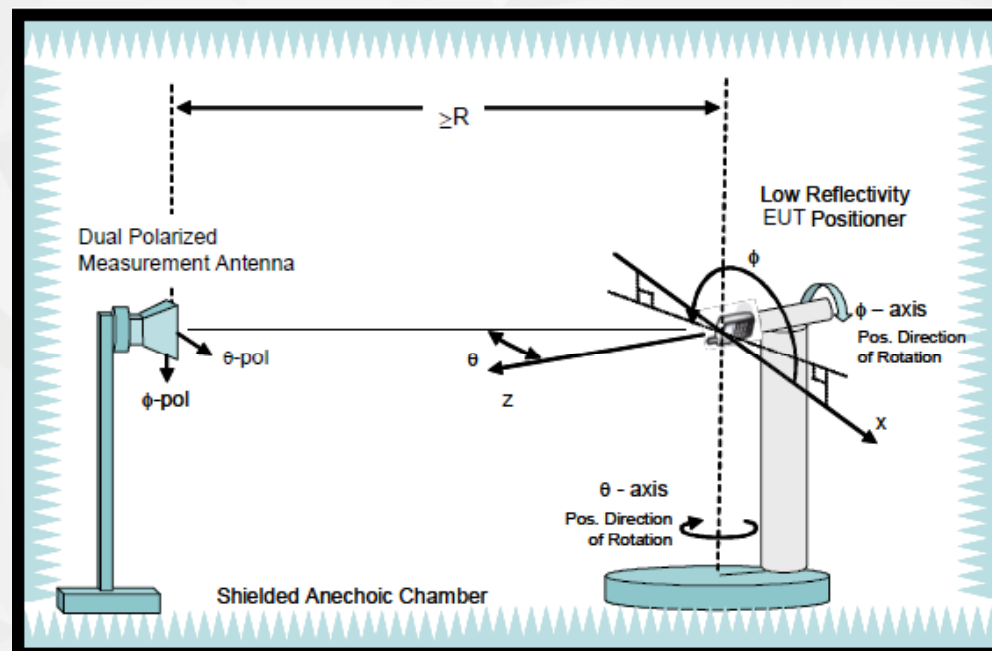
Working Band	860-930MHz
Version	V1.0
Date	2025.01.03

Tuning Instrument

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

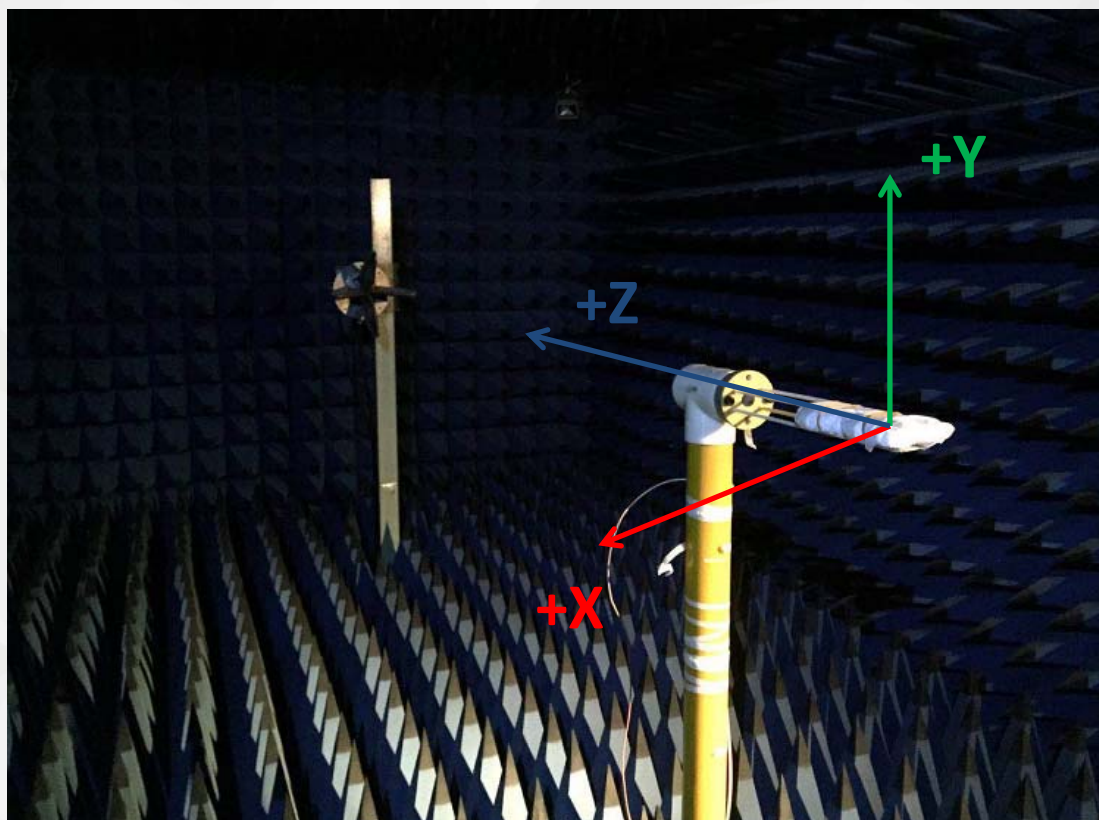


Typical Setup for Test System



Combined-Axes System

Anechoic Chamber



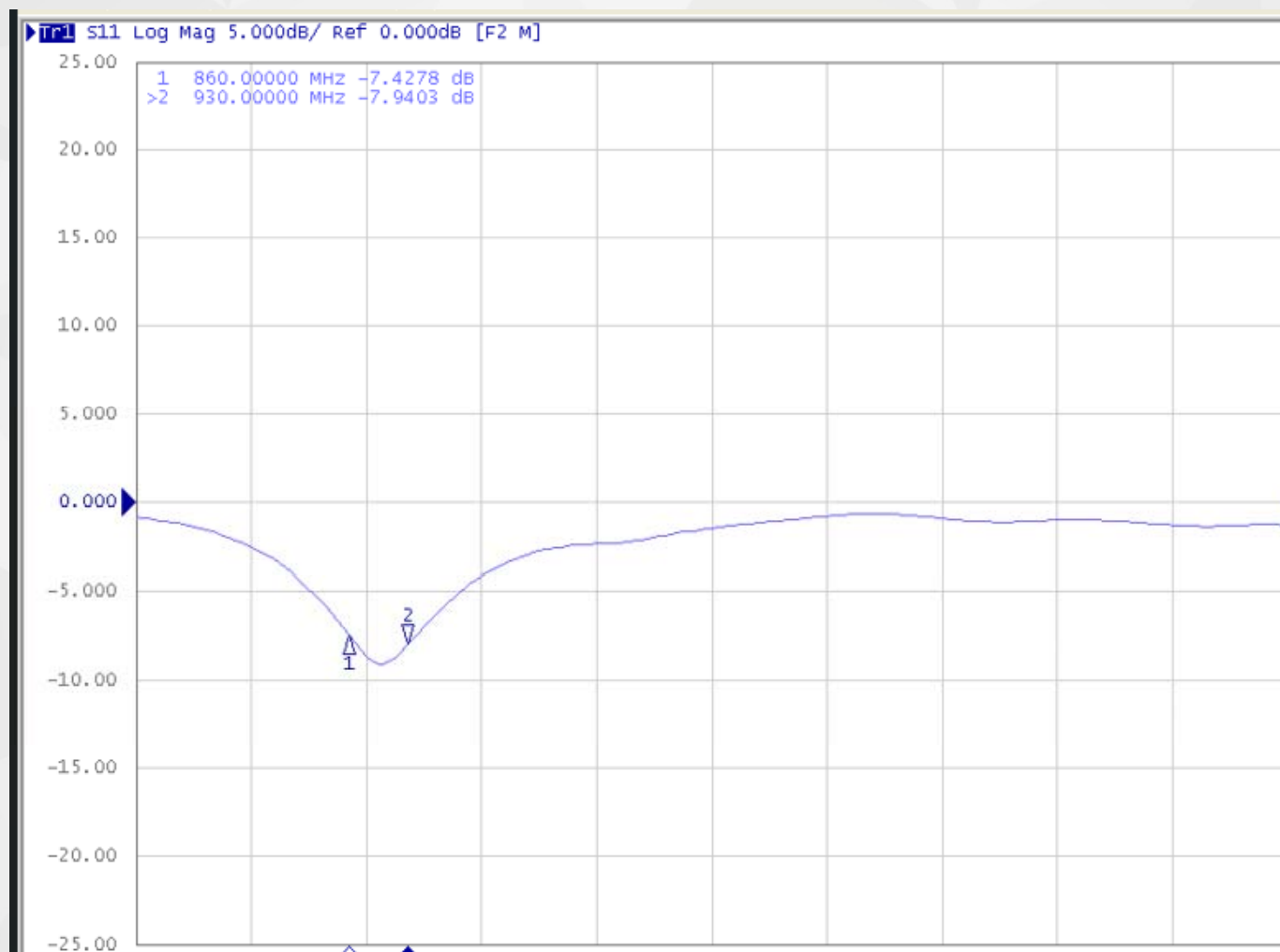
Combined-Axes System

Comment: E1 plane means XZ section, E2 plane means YZ section, H plane means XY section.

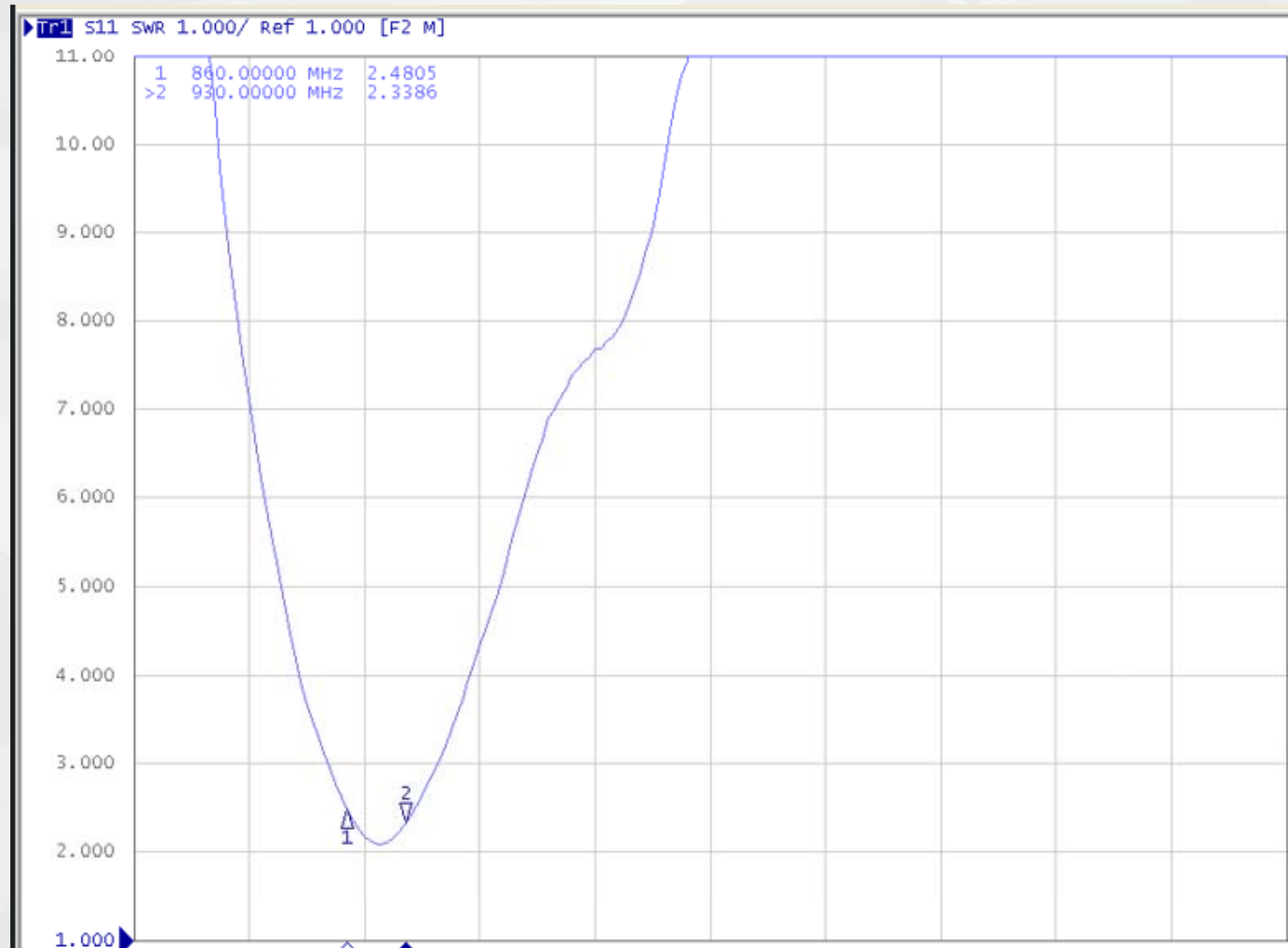
Antenna Sample Description



S11



VSWR



Test Result - Passive

Freq. (MHz)	Gain (dBi)	Eff.
860	-0.59	47.3%
870	-0.45	51.21%
880	-0.22	51.55%
890	0.01	49.97%
900	-0.18	48.14%
910	0.42	50.72%
920	0.15	51.08%
930	0.31	48.87%

Radiation Pattern

