

APPROVAL SHEET

Customer				
Customer P/N				
Project Name	860-930MHz Antenna			
Supplier	Shanghai Saintenna Wireless Technology Co. , Ltd.			
Saintenna P/N	SAA32315C			
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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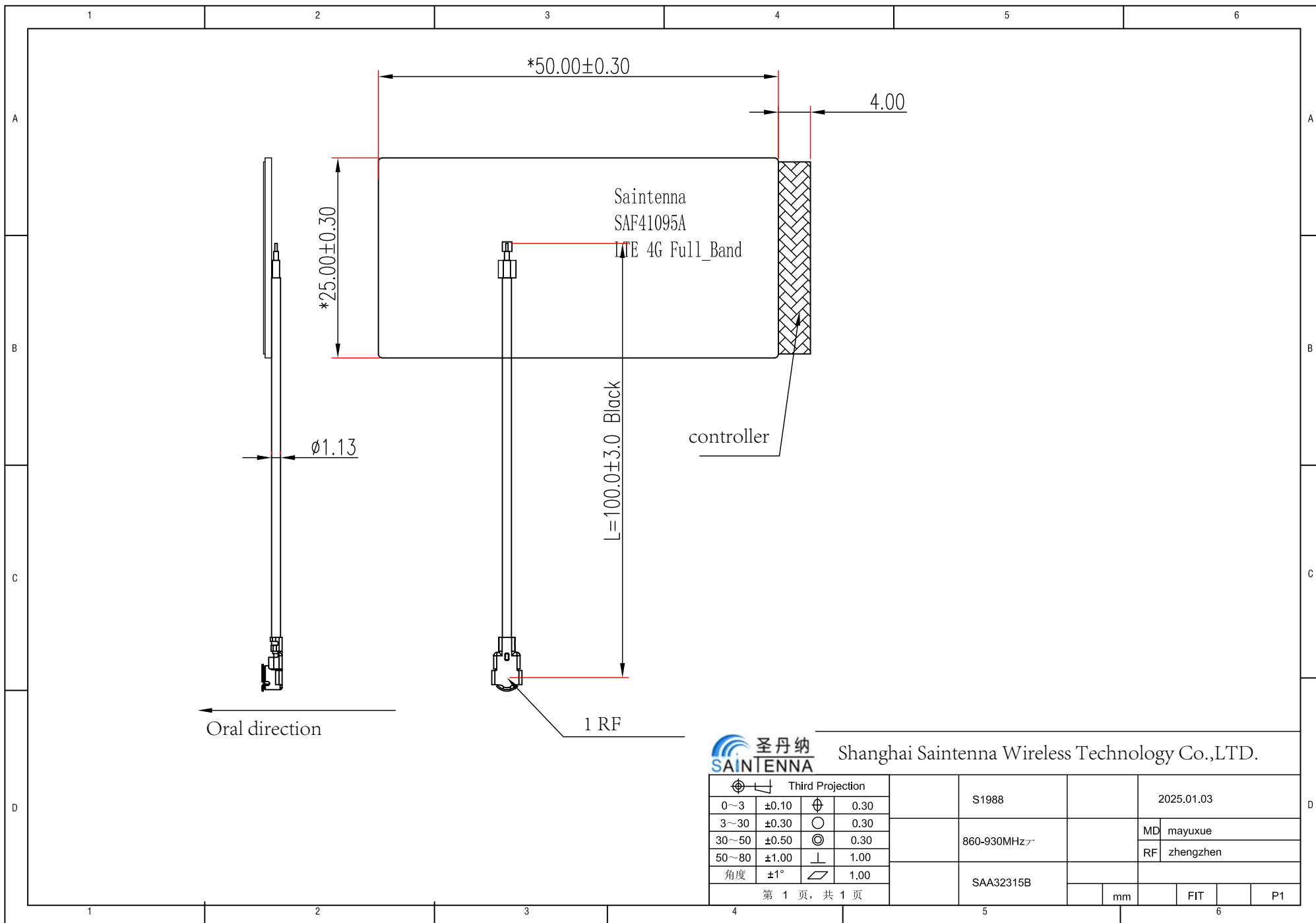
Specification

1. Mechanical Specification

- Connect Type..... 1 RF
- Work Temperature..... -40~85℃
- Storage Temperature..... -40~85℃
- Salt spray tolerance..... 48H

2. Electrical Specification

- Frequency Range..... 860MHz~930MHz
- VSWR..... <3
- Efficiency..... <60.54%
- Peak Gain..... 2.62dBi
- Polarization..... Linear
- Input Impedance..... 50Ω
- Max Input Power..... 5W



Shanghai Saintenna Wireless Technology Co.,LTD.

Third Projection									
0~3	± 0.10		0.30			S1988		2025.01.03	
3~30	± 0.30		0.30					MD	mayuxue
30~50	± 0.50		0.30			860-930MHz		RF	zhengzhen
50~80	± 1.00		1.00						
角度	$\pm 1^\circ$		1.00			SAA32315B			
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Antenna matching debugging report

Shanghai Saintenna Wireless Technology Co., LTD.

Project Information

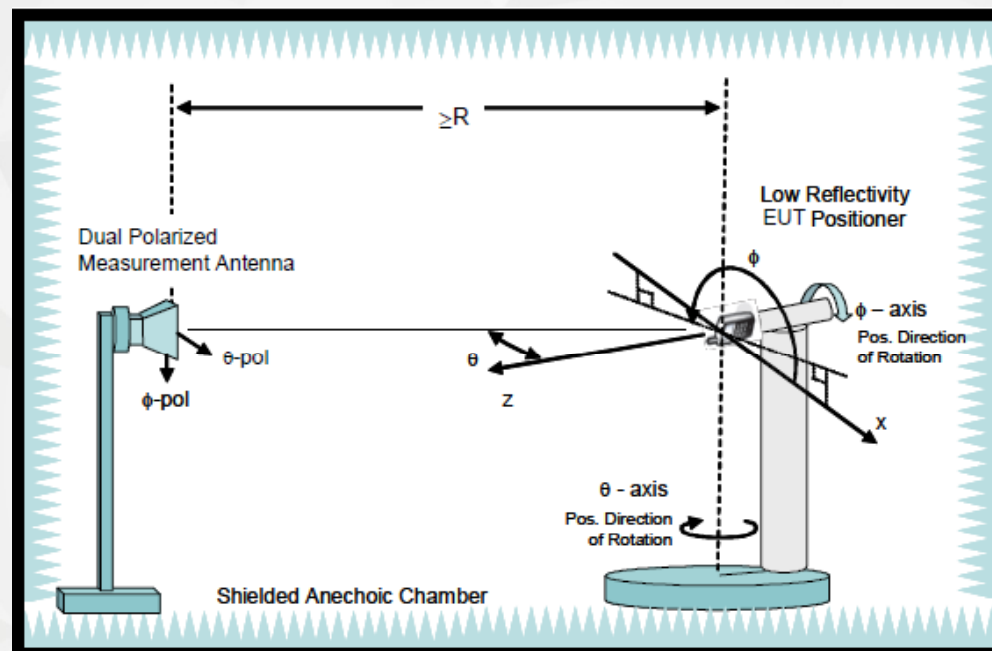
Working Band	860-930MHz
Version	V1.0
Date	2025.1.3

Tuning Instrument

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

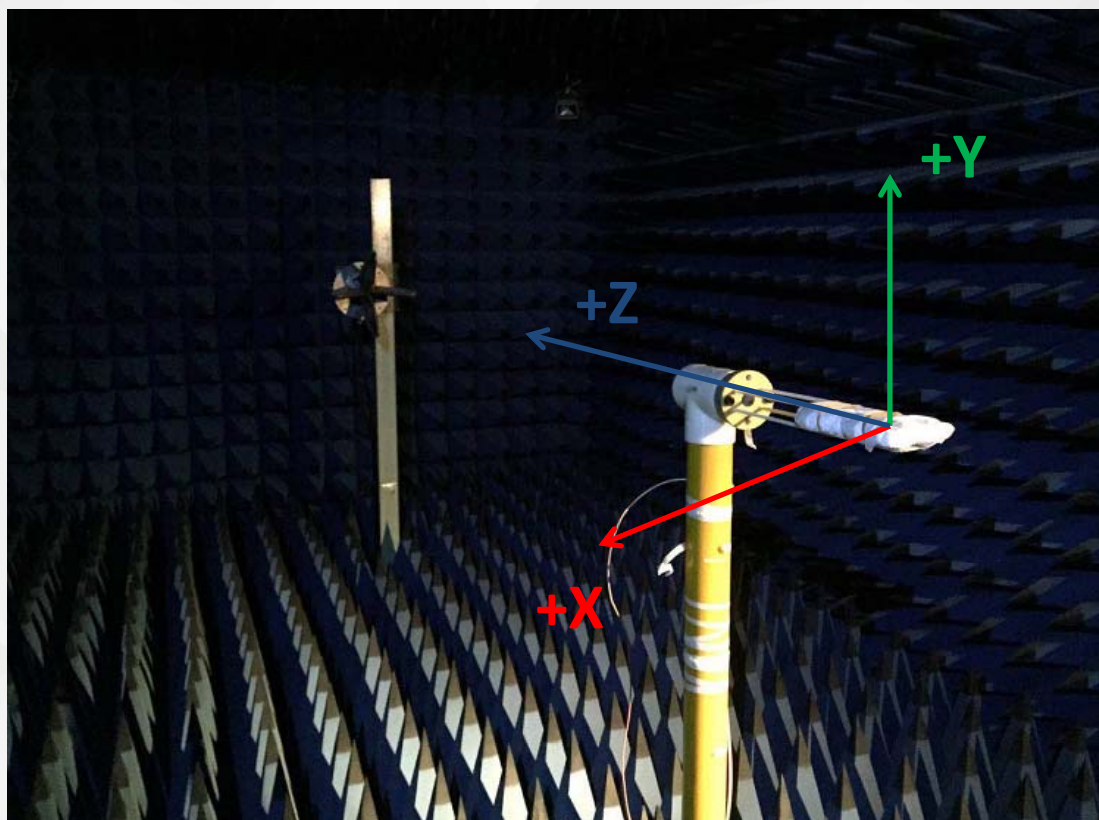


Typical Setup for Test System



Combined-Axes System

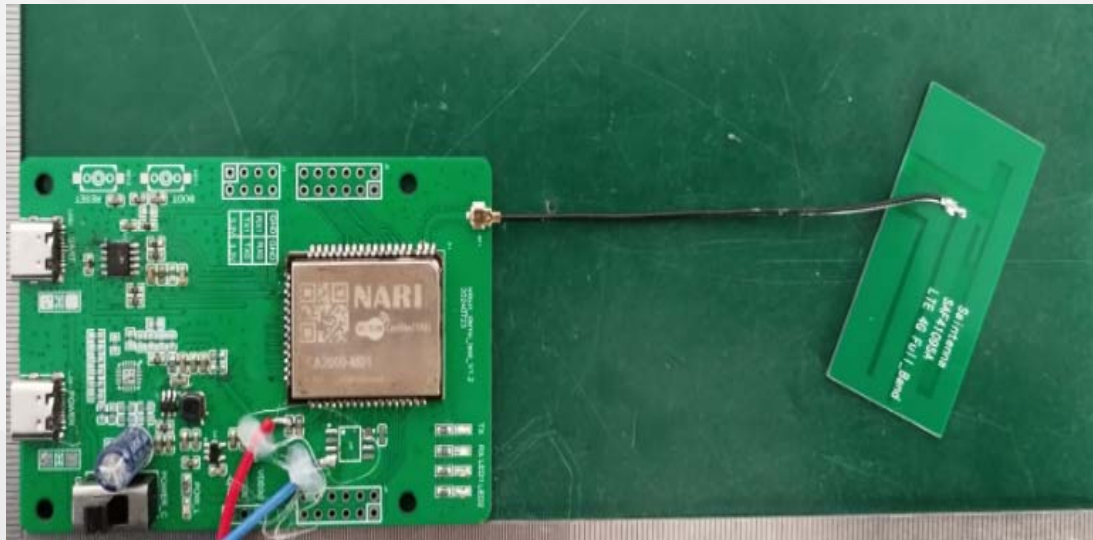
Anechoic Chamber



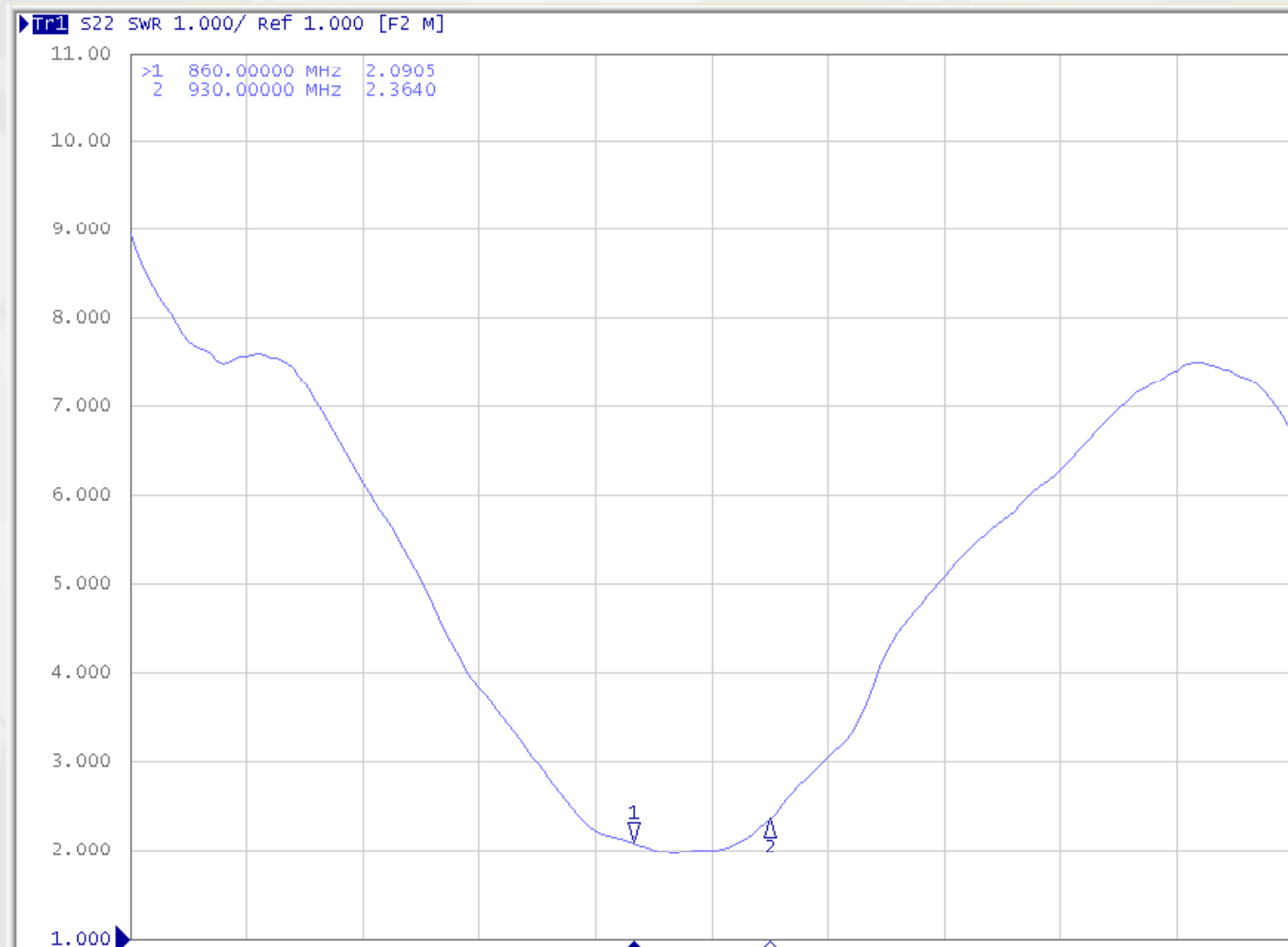
Combined-Axes System

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

Antenna Sample Description (PCB)



VSWR (PCB)



Test Result - Passive (PCB)

Freq. (MHz)	Gain (dBi)	Eff.
860	1.7	56.51%
870	2.05	57.97%
880	2.57	60.54%
890	2.62	60%
900	2.15	55.04%
910	2.25	57.5%
920	2.35	57.99%
930	1.68	57.68%

Radiation Pattern (PCB)

