

APPROVAL SHEET

Customer				
Customer P/N				
Project Name	860-930MHz Antenna			
Supplier	Shanghai Saintenna Wireless Technology Co. , Ltd.			
Saintenna P/N	SAA32315B			
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				
Tel: 086-021-56165098; Fax: 086-021-56165098				
Customer	Prepared by	Checked by	Approver	

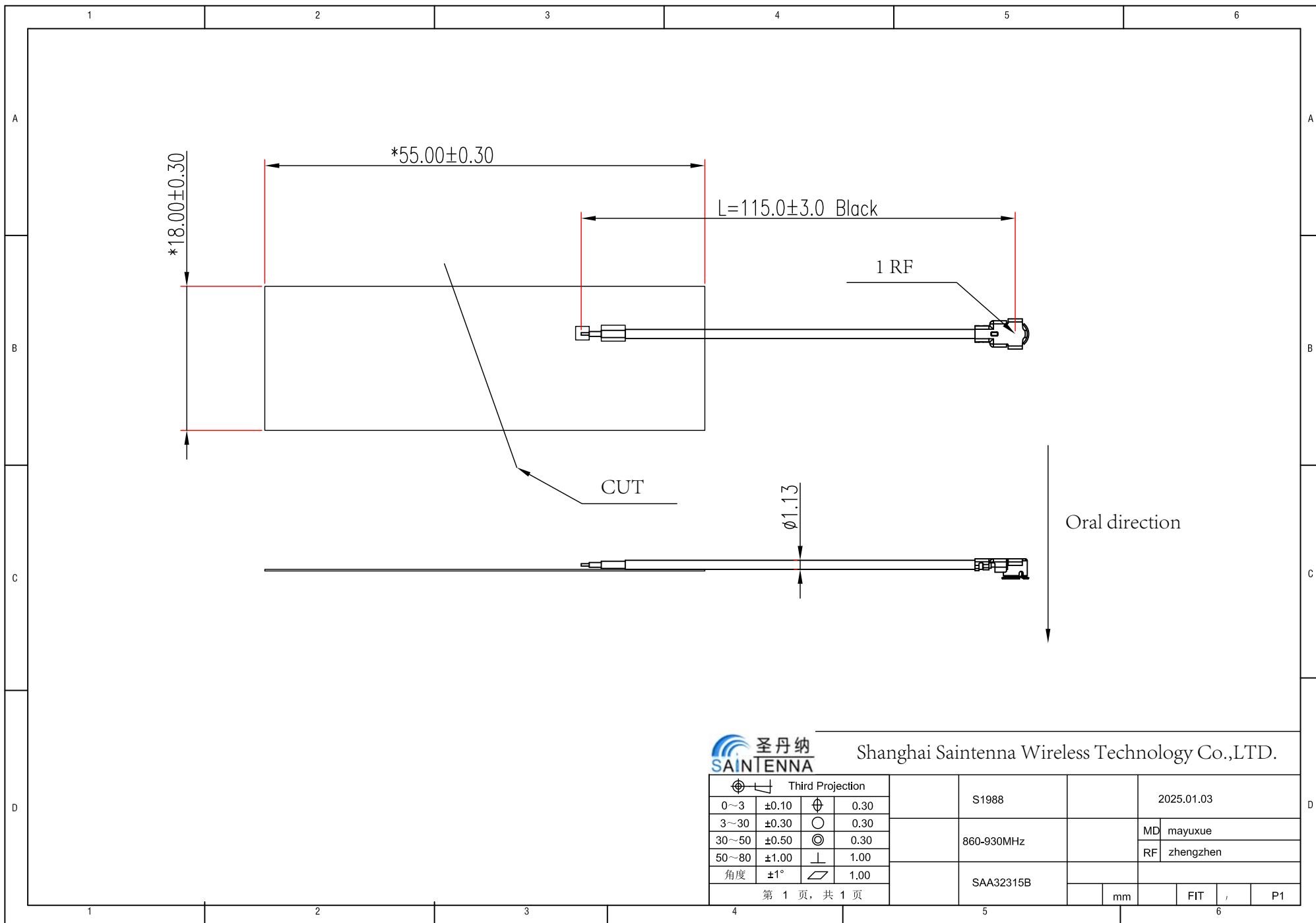
Note: Signature must be confirmed by hand

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Shanghai Saintenna Wireless Technology Co.,LTD.

Third Projection				S1988		2025.01.03				
0~3	±0.10	⊕	0.30							
3~30	±0.30	○	0.30	860-930MHz		MD	mayuxue			
30~50	±0.50	⊙	0.30			RF	zhengzhen			
50~80	±1.00	⊥	1.00							
角度	±1°	▱	1.00	SAA32315B						
第 1 页, 共 1 页							mm		FIT	/

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..... <68.26%
- Peak Gain..... 2.85dBi
- Polarization..... Linear
- Input Impedance..... 50Ω
- Max Input Power..... 5W



Antenna matching debugging report

Shanghai Saintenna Wireless Technology Co., LTD.

Project Information

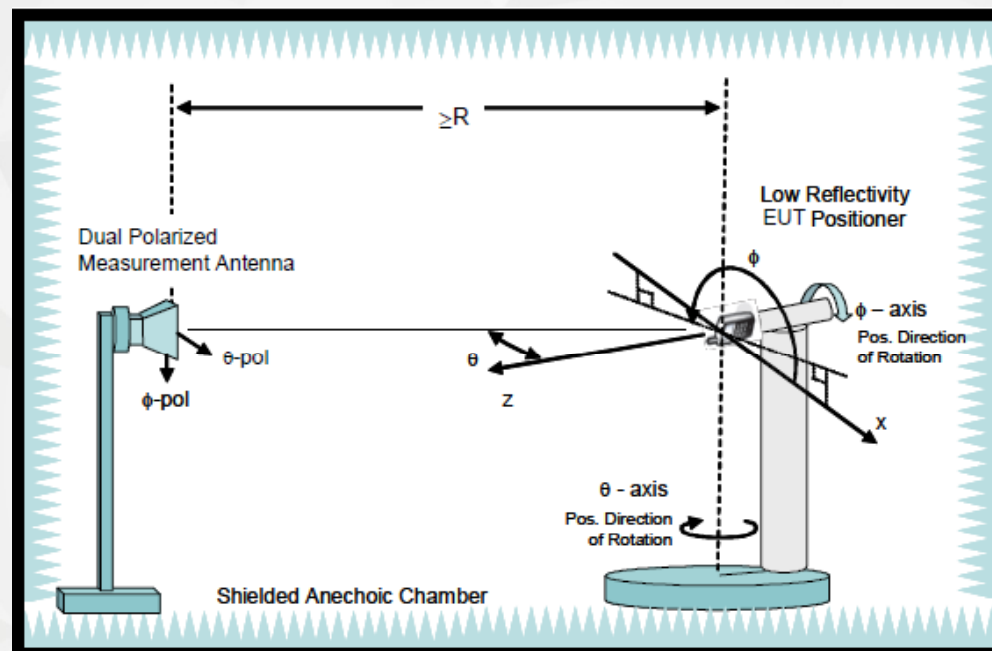
Working Band	860-930MHz
Version	V1.0
Date	2025.1.3

Tuning Instrument

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

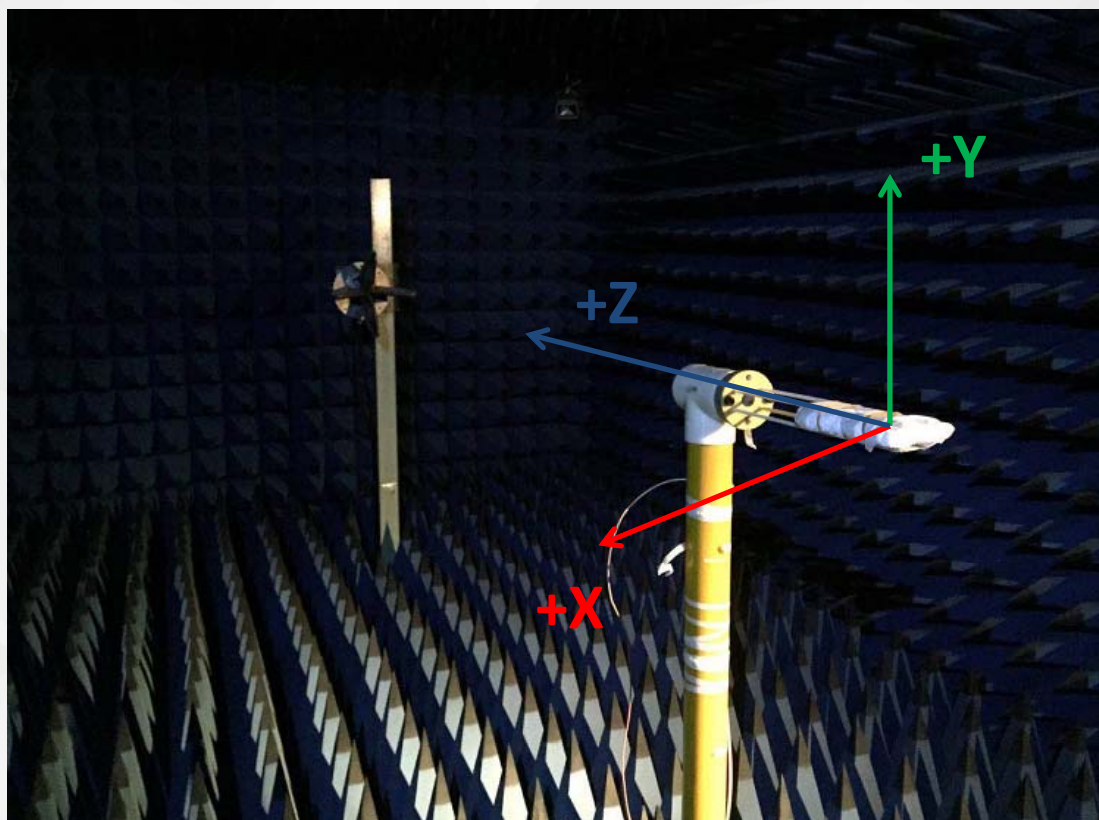


Typical Setup for Test System



Combined-Axes System

Anechoic Chamber



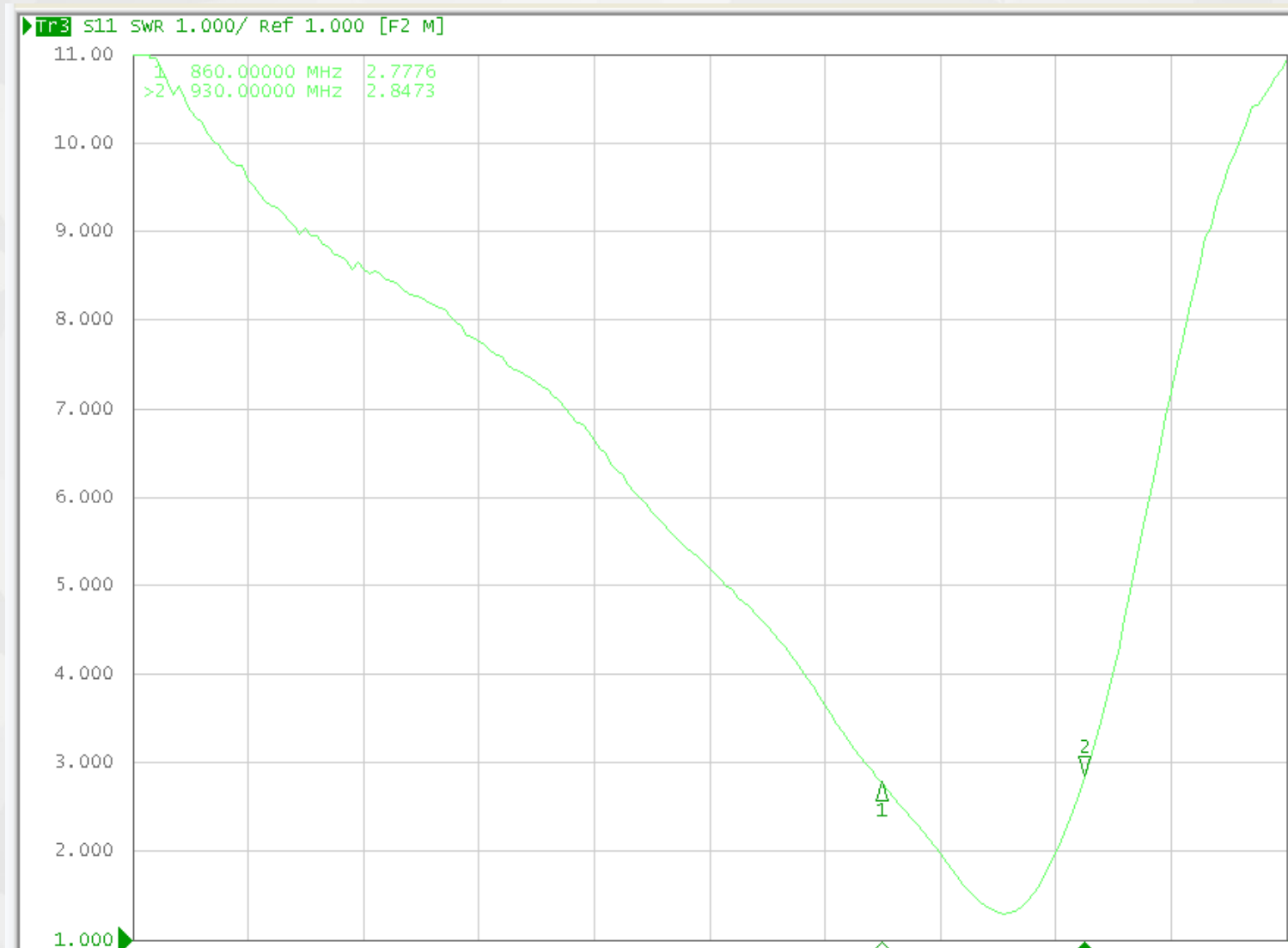
Combined-Axes System

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

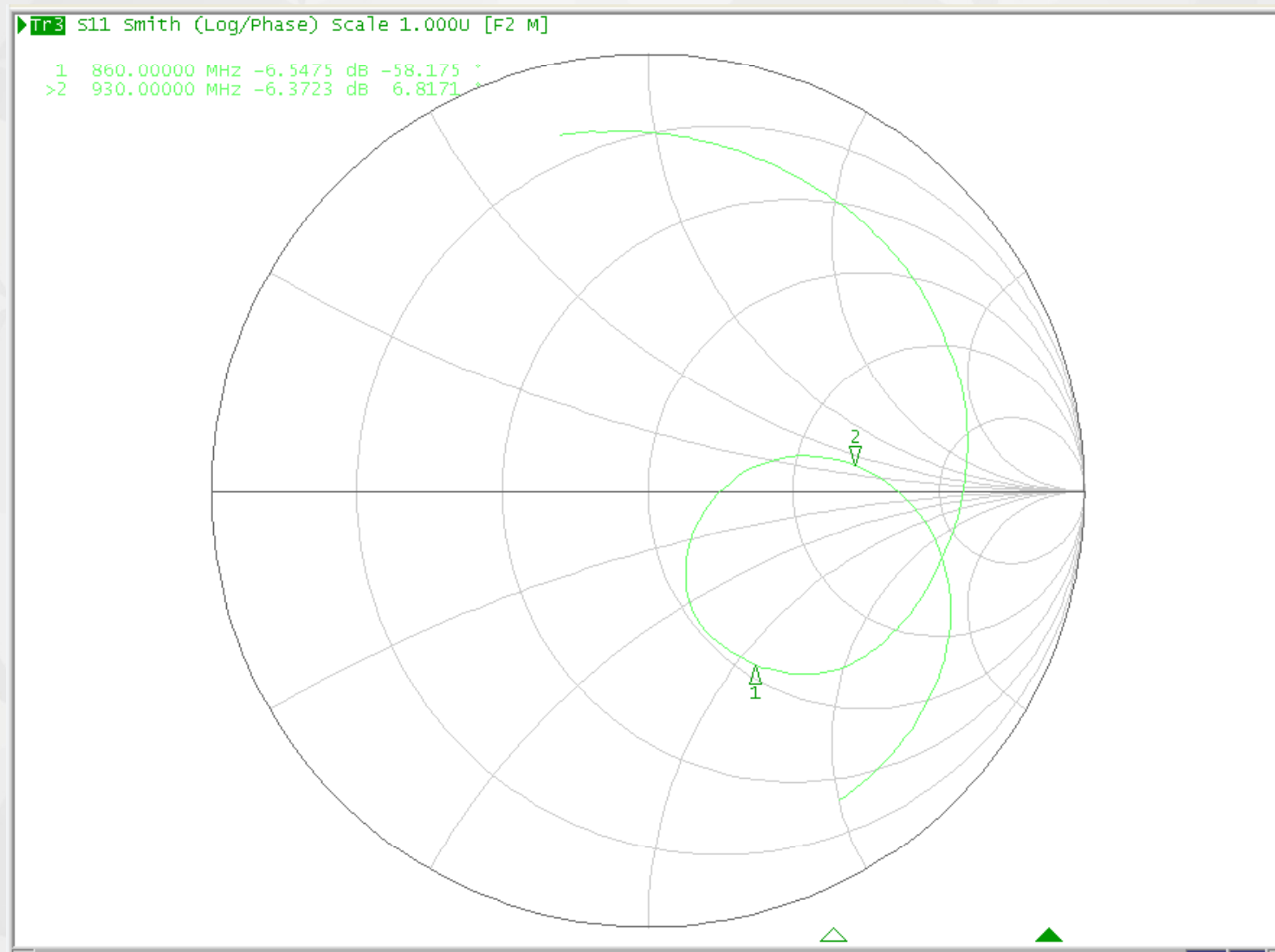
Antenna Sample Description (FPC)



VSWR (FPC)



smith (FPC)

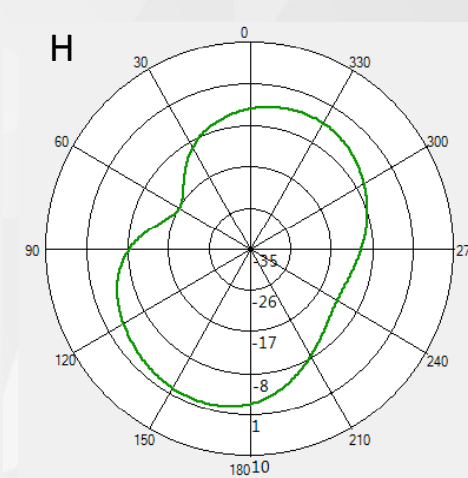
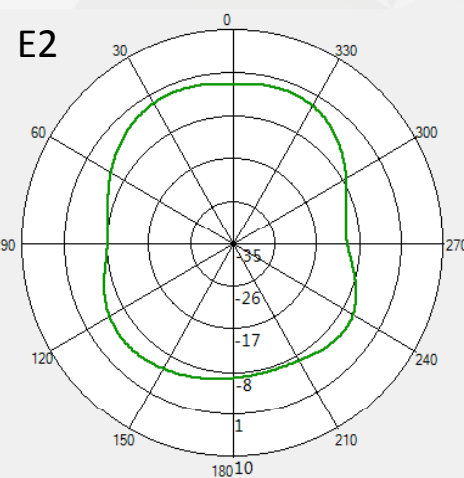
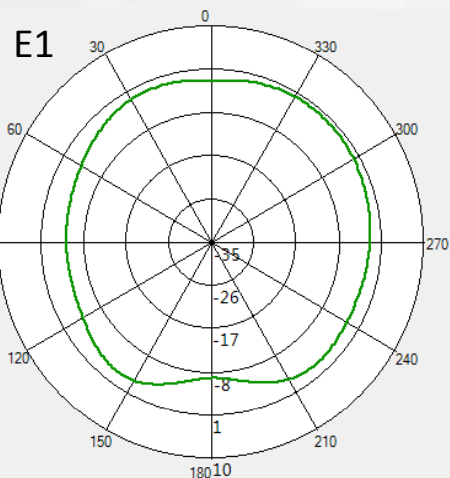
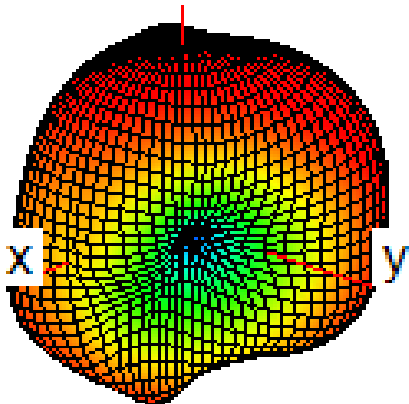


Test Result - Passive (FPC)

Freq. (MHz)	Gain (dBi)	Eff.
860	0.66	50.59%
870	1.5	54.49%
880	2.46	64.29%
890	2.85	68.26%
900	2.38	61.85%
910	2.13	58.38%
920	2.02	54.05%
930	1.12	48.18%

Radiation Pattern (FPC)

860MHz



930MHz

