

APPROVAL SHEET

Customer	SOLAX			
Customer P/N				
Project Name	Pocket V4.0			
Supplier	Shanghai Saintenna Wireless Technology Co. , Ltd.			
Saintenna P/N	SAA32339A			
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

Content

1 Cover.....☑

2 Content.....☑

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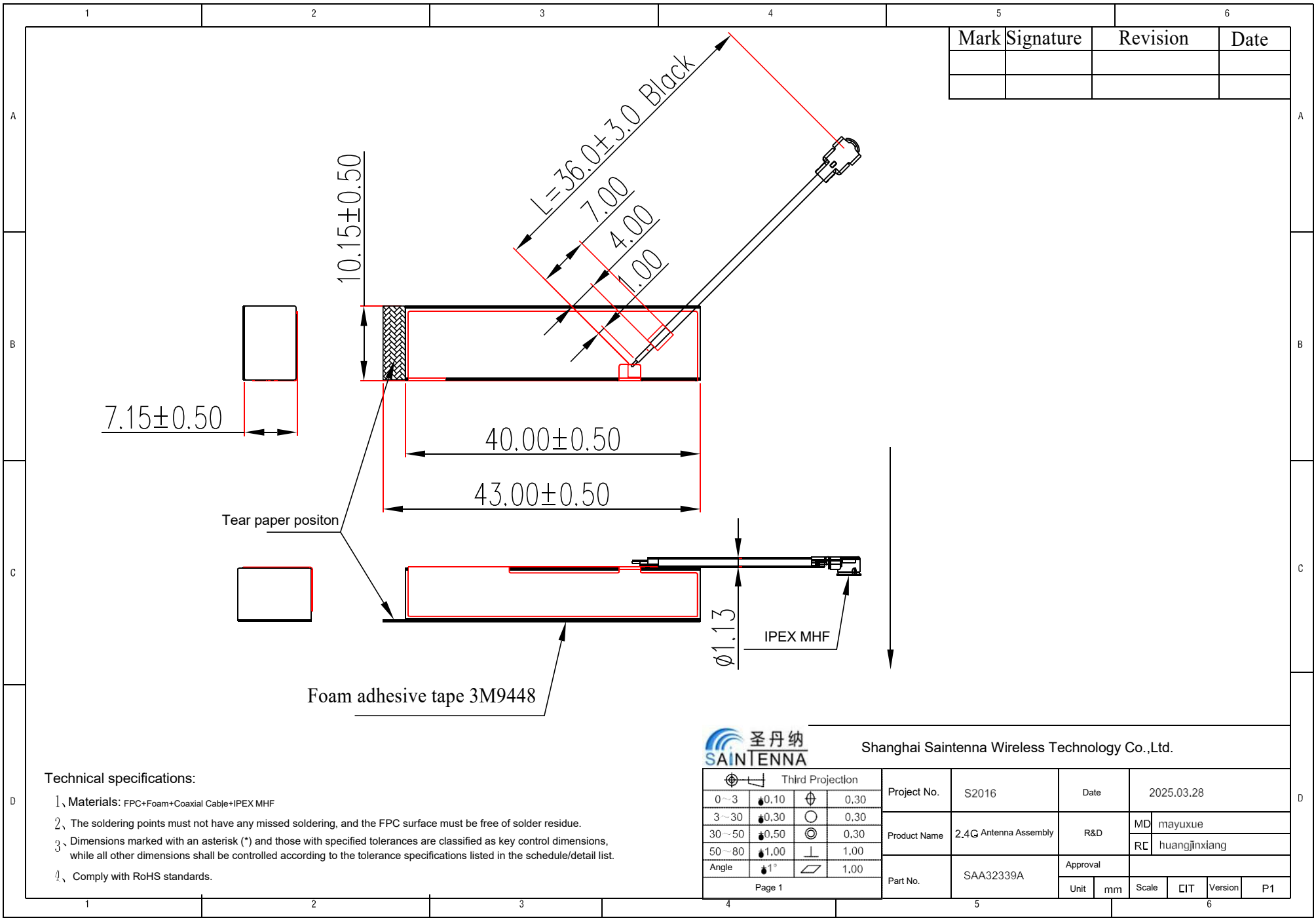
Specification

1. Mechanical Specification

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

2. Electrical Specification

- Frequency Range..... 2400MHz~2500MHz
- VSWR..... <2
- Efficiency..... <62.46%
- Peak Gain..... 0.5dBi
- Polarization..... Linear
- Input Impedance..... 50Ω
- Max Input Power..... 5W





Solax Pocket V4 Antenna Test Report

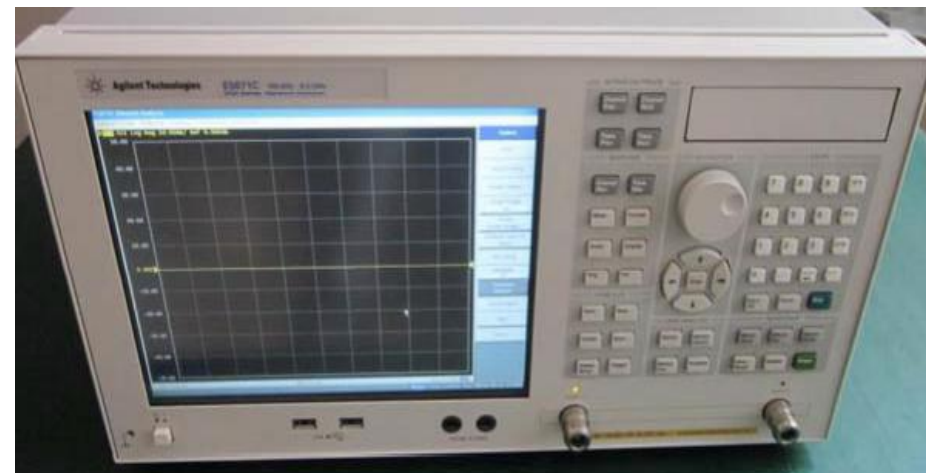
Shanghai Saintenna Wireless Technology Co., LTD.

Project Information

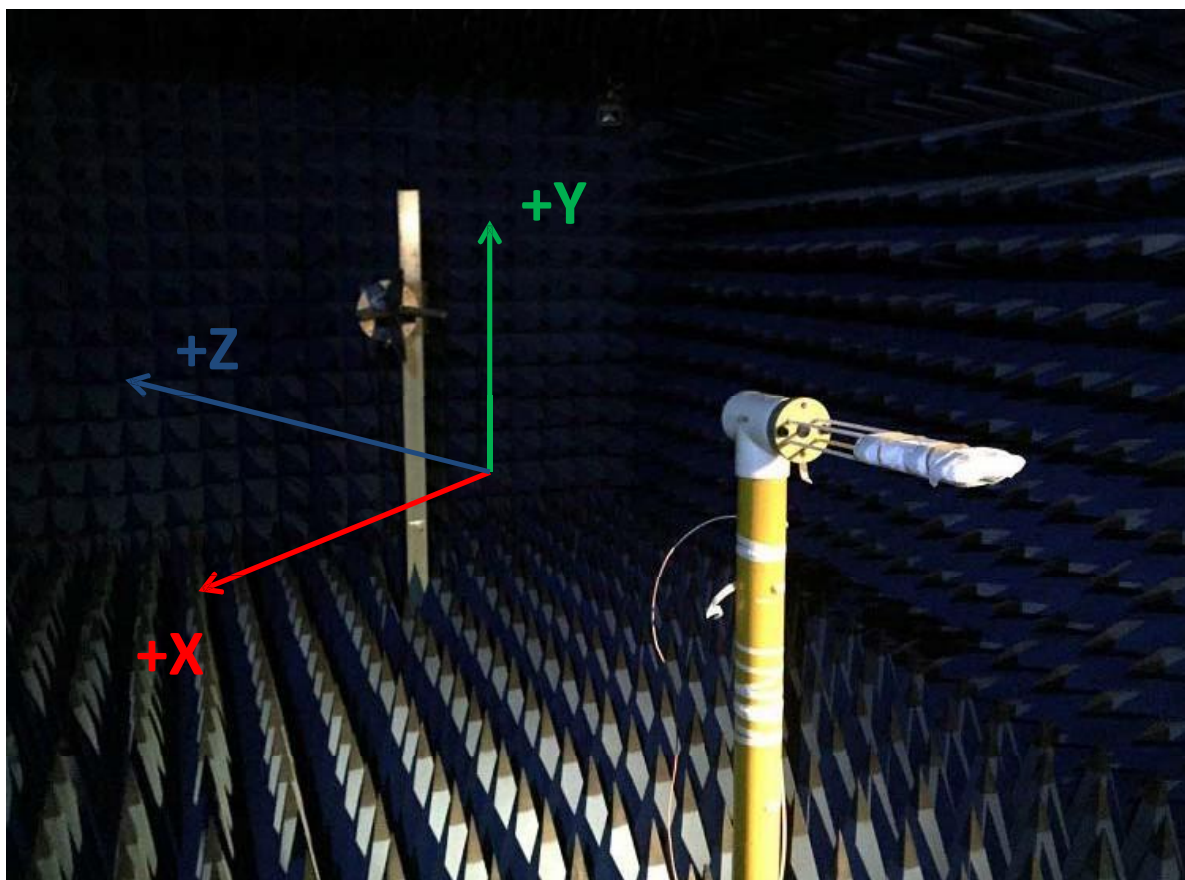
Customer Name	Solax
Project Name	Pocket V4
Working Band	2400MHz-2500MHz
Description	
Version	V1.0
Date	2024-12-12

Testing Instrument

Instrument model	Agilent E5071C
Frequency Range	100KHz ~ 8.5GHz
Test Content	Return Loss/VSWR/Smith Chart /Isolation



Anechoic Chamber



Combined-Axes System

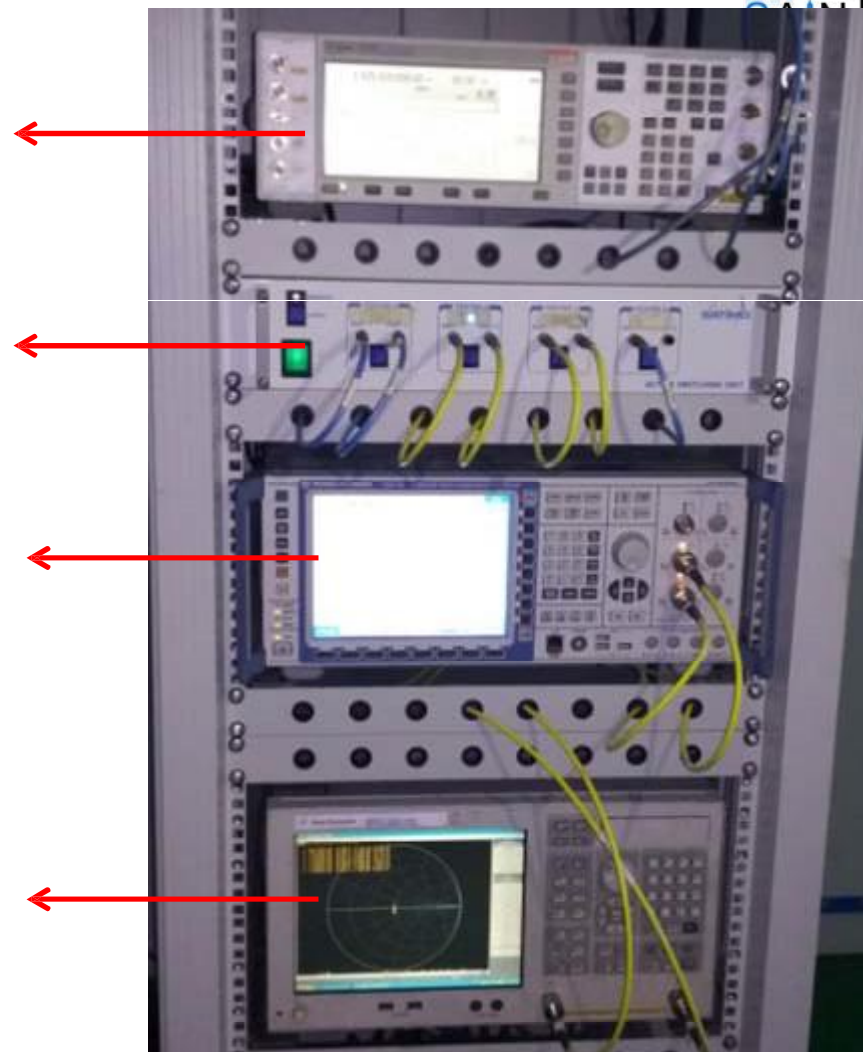
Testing System View

Instrument model	Agilent Signal Generator E4438CE4438C
Test Content	GPS

Instrument model	RF Switch Unit
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Instrument model	R&S CMW500
Test Content	GSM/GPRS/WCDMA/LTE/NB/WiFi 802.11b/g/a/n

Instrument mode	Agilent AnalyzerE5071C
Test Content	Passive Testing(400MHz~6GHz)



Antenna Picture



VSWR

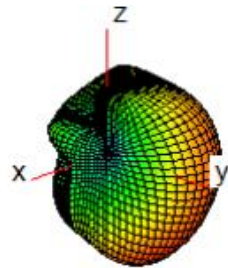


Test Result – Passive

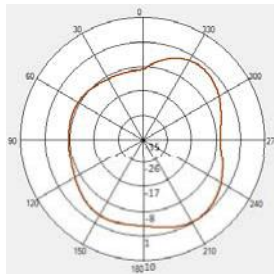
Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	0.32	53.74
2410	0.42	58.29
2420	0.46	59.43
2430	0.48	60.32
2440	0.50	62.46
2450	0.48	61.79
2460	0.47	59.45
2470	0.48	60.01
2480	0.46	59.03
2490	0.38	57.42
2500	0.35	55.01

Test Result – Passive

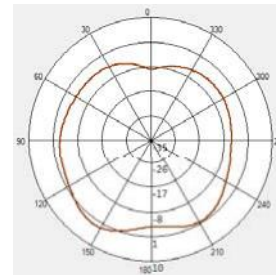
2400MHz



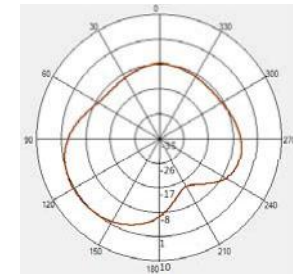
E1



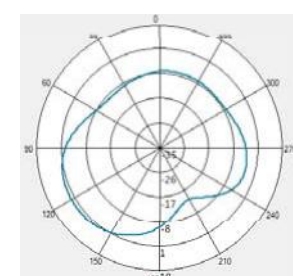
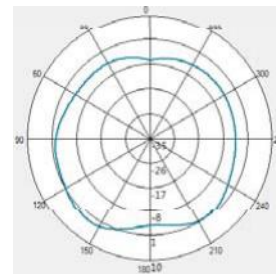
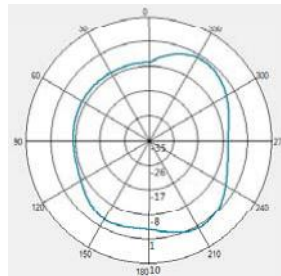
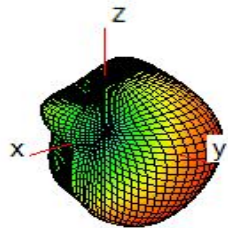
E2



H



2450MHz



2500MHz

