



承 认 书

APPROVAL SHEET

客户名称 Customer				
客户料号 Customer P/N				
项目名称 Project Name	860-930MHz Antenna RP-SMA-J Connect (Black)			
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	SAA31146B			
是否符合 RoHS IF ROHS	YES			
送样日期 Providing Date				
供应商 Supplier	制定 Prepared by	设计 Designer	品质 QA	批准 Approver
	马玉学	钱锐	李光辉	余剑平
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				
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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规格

Specification

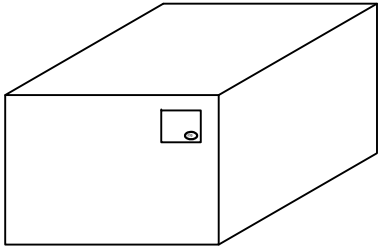
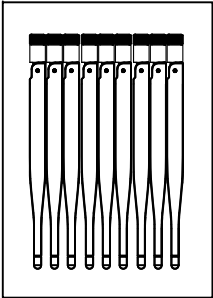
1. 物理特性/Physical Properties

- 连接方式/Connect Type..... SMA-Male
- 工作温度/Operating Temperature..... $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$
- 存储温度/Storage Temperature..... $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

2. 电性能参数/Electrical Properties

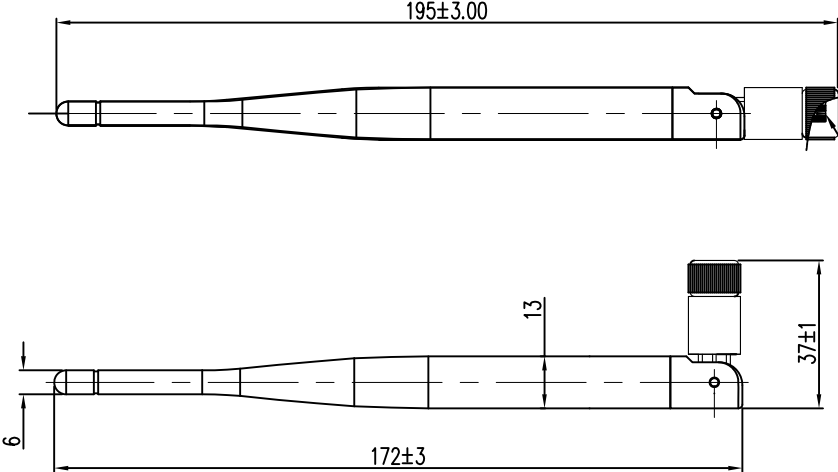
- 频段/Frequency Range..... 860MHz/930MHz
- 特性阻抗/Impedance..... $50\ \Omega$
- 驻波比/VSWR..... <2.0
- 效率/Efficiency..... 70%
- 增益/Peak Gain..... 2DBI

1	2	3	4	5	6		
				标记	签名	修改内容	日期
A							A
B							B
C							C
D							D



1.外箱需贴1PCS/ROHS
标签于外箱标签上

2.外箱需贴1PCS/外箱标
签于外箱侧麦右上角



RP-SMA-J
(Internal thread internal hole)

6	Connector	RP-SMA-J for 178mm Cable	1	
5	Cable	RG178 Cable,,50Ω	1	
4	Rivet	PBT+PC,Color,Black	2	
3	Bottom Base	PBT+PC,Color,Black	1	
2	Upper Base	PC+PBT,Color,Black	1	
1	Antenna Cap	TPEE,Color,Black	1	
NO		Decription	QTY	Remark



圣丹纳
SAINTENNA

上海圣丹纳无线科技有限公司

 第三视角		项目名称	915MHz-Antenna	日期	2022.10.09			
0~3	±0.05	产品名称	860MHz-930MHz 天线组件	设计	MD	mayuxue		
3~30	±0.10				RF	huangjinxiang		
30~50	±0.15							
50~80	±0.20	产品料号	SAA31146B	批准				
角度	±1°				单位	mm	比例	FIT
第 1 页, 共 1 页								



外置863-928MHz天线调试报告

上海圣丹纳无线科技有限公司
Shanghai Saintenna Wireless Technology Co., LTD.

Project Information

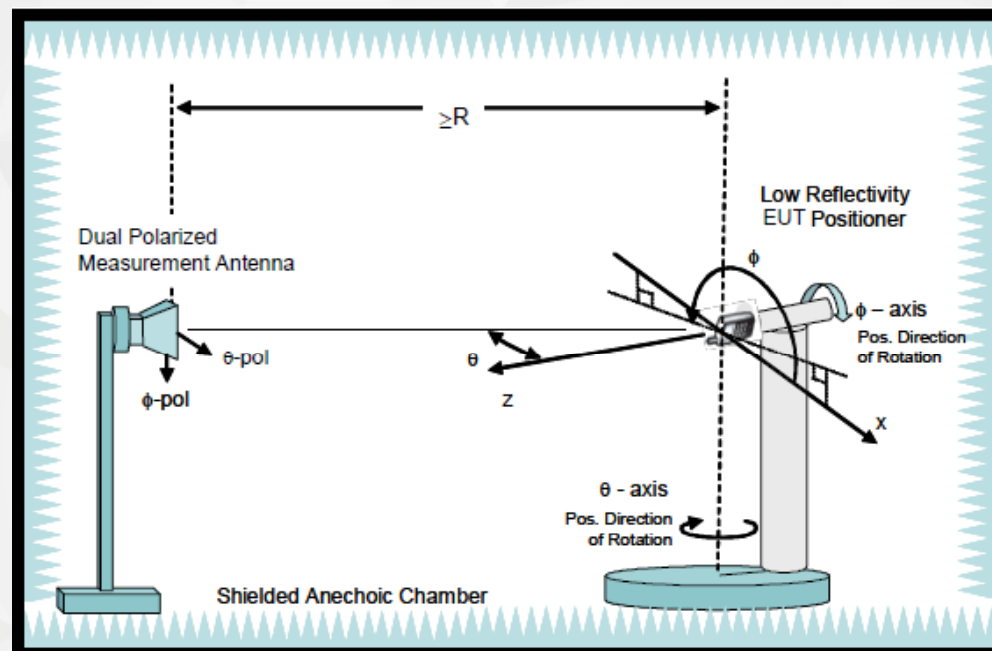
客户名称 Customer Name	
项目名称 Project Name	外置863-928MHz天线
工作频段 Working Band	863-870MHz/902-928MHz
规格 Description	
版本 Version	V1.0
日期 Date	2022.9.22

Tuning Instrument

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

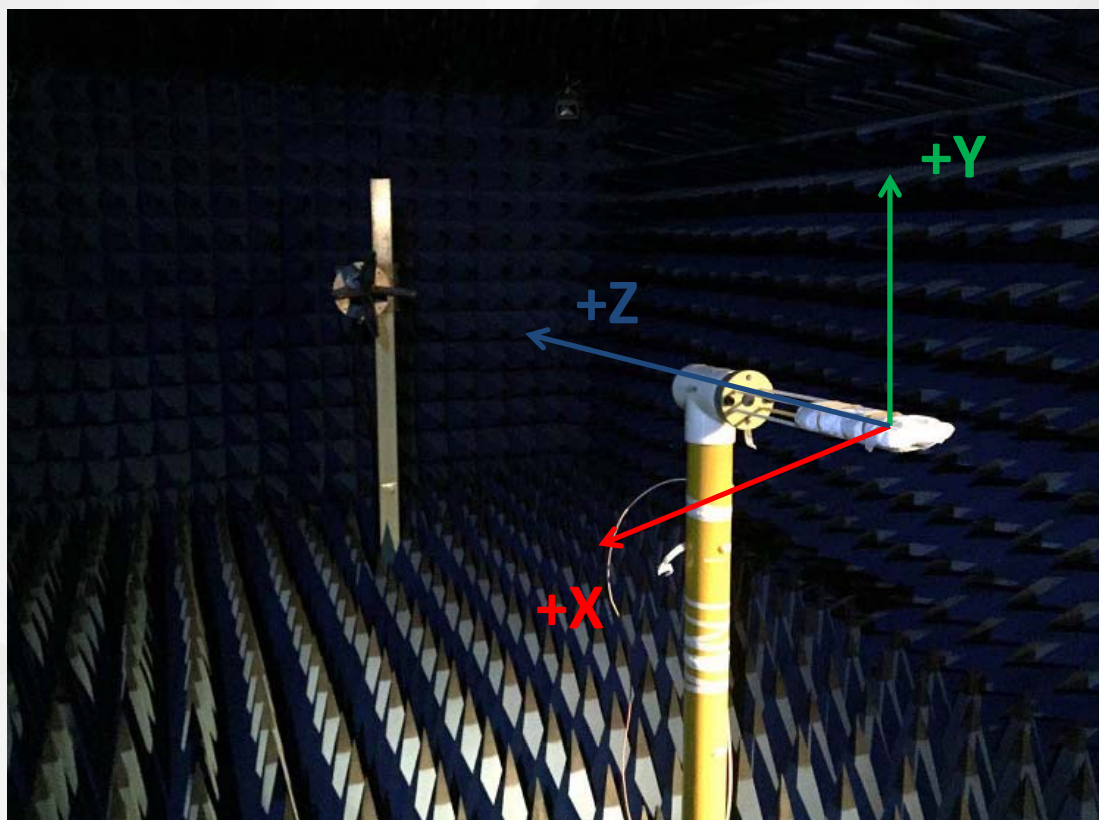


Typical Setup for Test System



Combined-Axes System

Anechoic Chamber



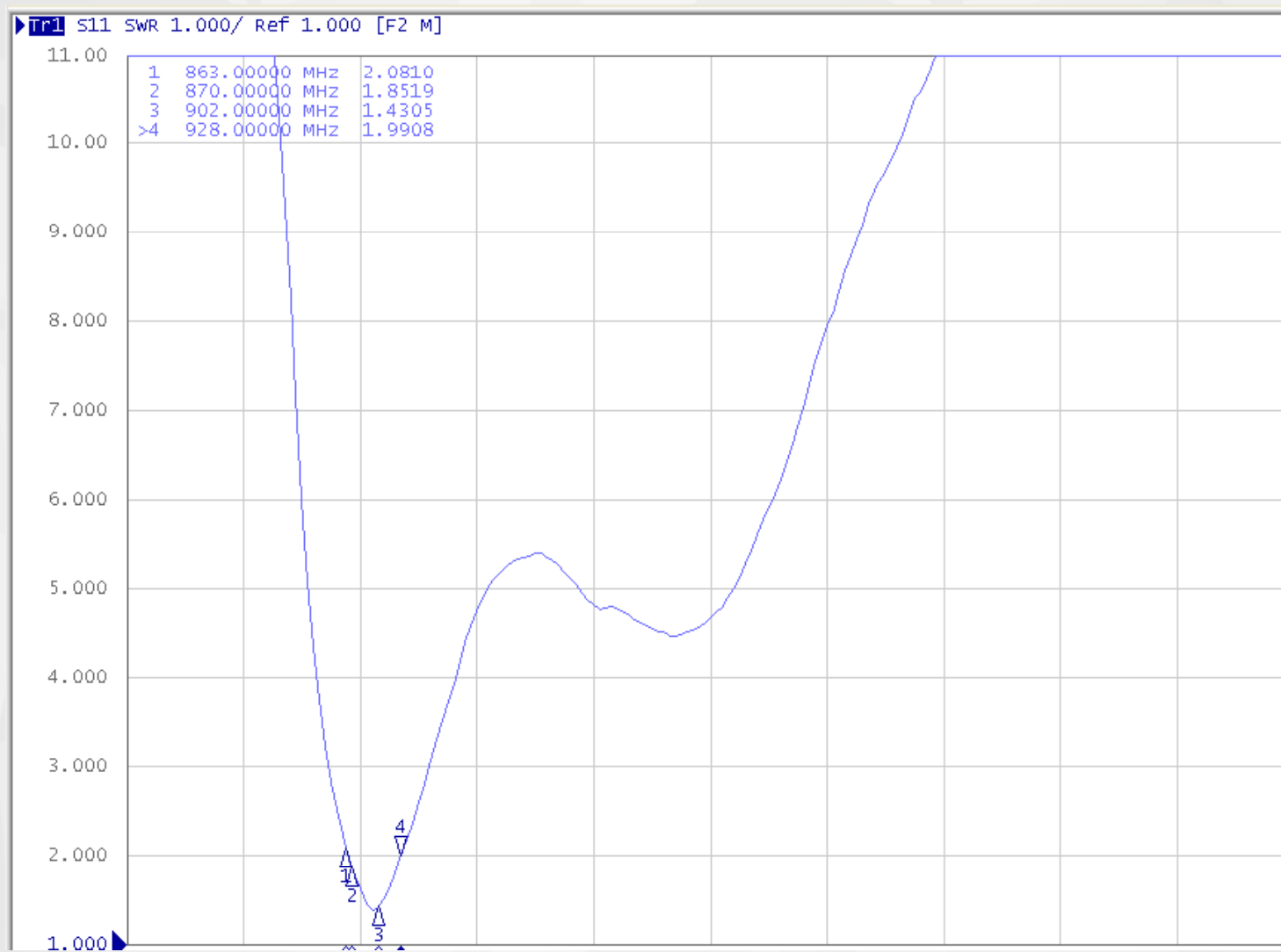
Combined-Axes System

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

Antenna Sample Description



VSWR

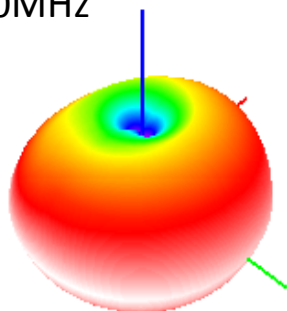


Test Result - Passive

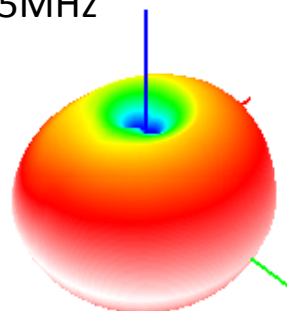
Freq. (MHz)	Gain (dBi)	Eff.
860	1.87	68.2%
865	1.89	70.0%
870	1.90	72.0%
900	2.15	68.9%
905	2.05	68.5%
910	1.98	67.2%
915	1.95	69.8%
920	1.85	70.1%
925	1.61	68.2%
930	1.74	66.6%

Radiation Pattern

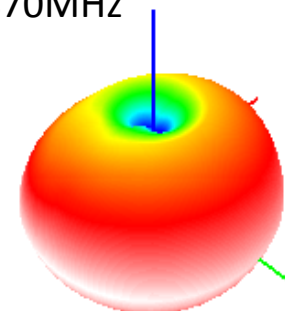
860MHz



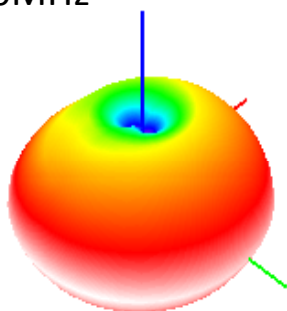
865MHz



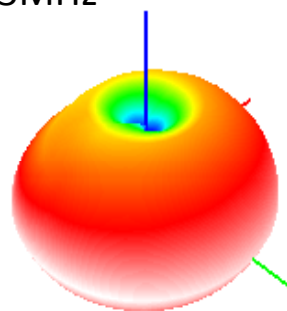
870MHz



900MHz



915MHz



930MHz

