



承 认 书

APPROVAL SHEET

客户名称 Customer	移为			
客户料号 Customer P/N				
项目名称 Project Name	GL533CG 项目433MHz 天线			
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	SAA32337A			
是否符合 RoHS ROHS Compliant	Yes			
送样日期 Providing Date				
供应商 Supplier	制定 Prepared by	设计 Designer	品质 QA	批准 Approver
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 200444, China				
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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五 电性能报告/Electrical Report.....☑

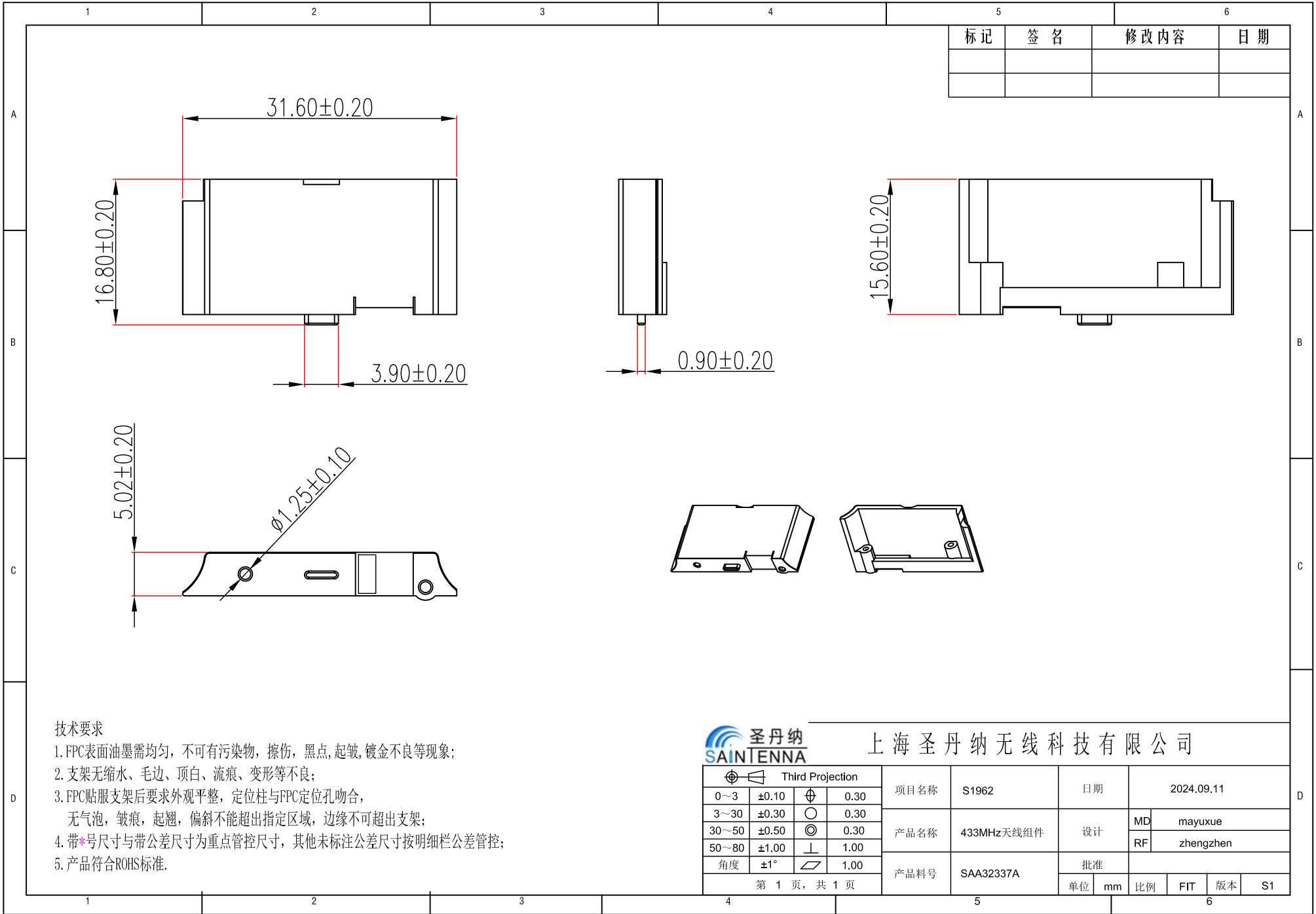
规格/Specification

1. 机械规格/Mechanical Specification

- 连接方式/Connect Type..... 弹片
- 工作温度/Work Temperature..... -40~85℃
- 存储温度/Storage Temperature..... -40~85℃
- 盐雾耐受/ Salt spray tolerance..... 48H

2. 电性能参数/Electrical Specification

- 频段/Frequency Range..... 428MHz~438MHz
- 回损/S11..... $> -27\text{dB}$
- 效率/Efficiency..... $< 20.4\%$
- 增益/Peak Gain..... -5.31dBi
- 极化/Polarization..... Linear
- 特性阻抗/Input Impedance..... 50Ω
- 最大承载功率/Max Input Power..... 5W





移为GL533CG 433MHz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

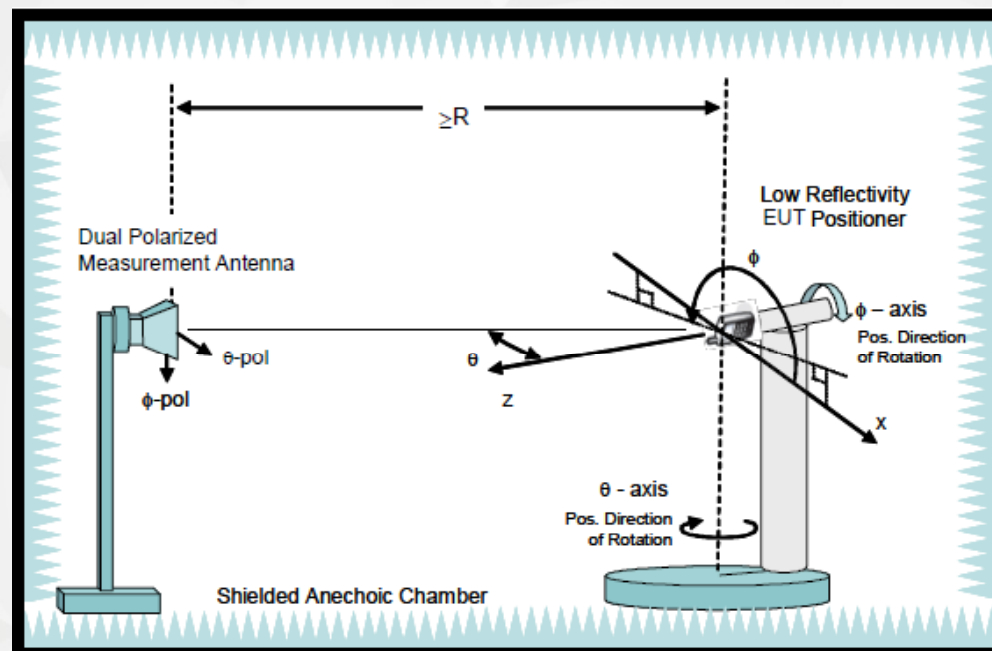
客户名称 Customer Name	移为
项目名称 Project Name	GL533CG
工作频段 Working Band	433MHz
规格 Description	
版本 Version	V1.0
日期 Date	2024.7.17

Tuning Instrument

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

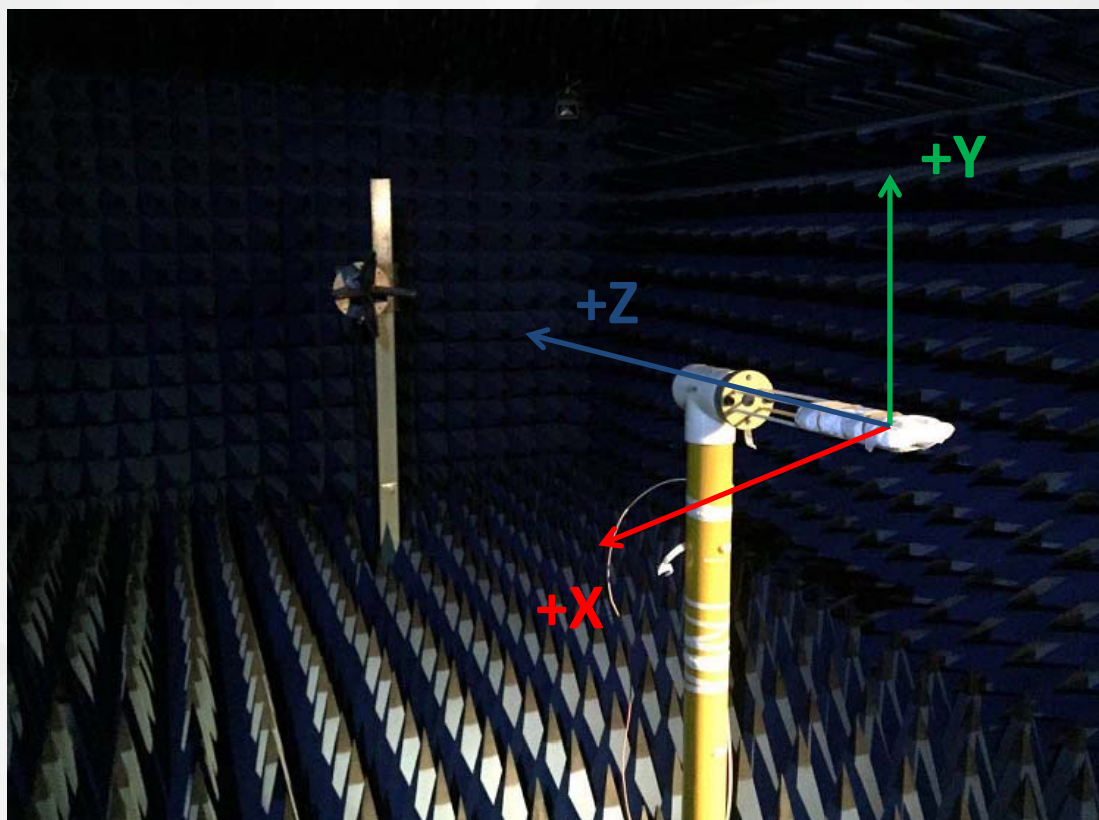


Typical Setup for Test System



Combined-Axes System

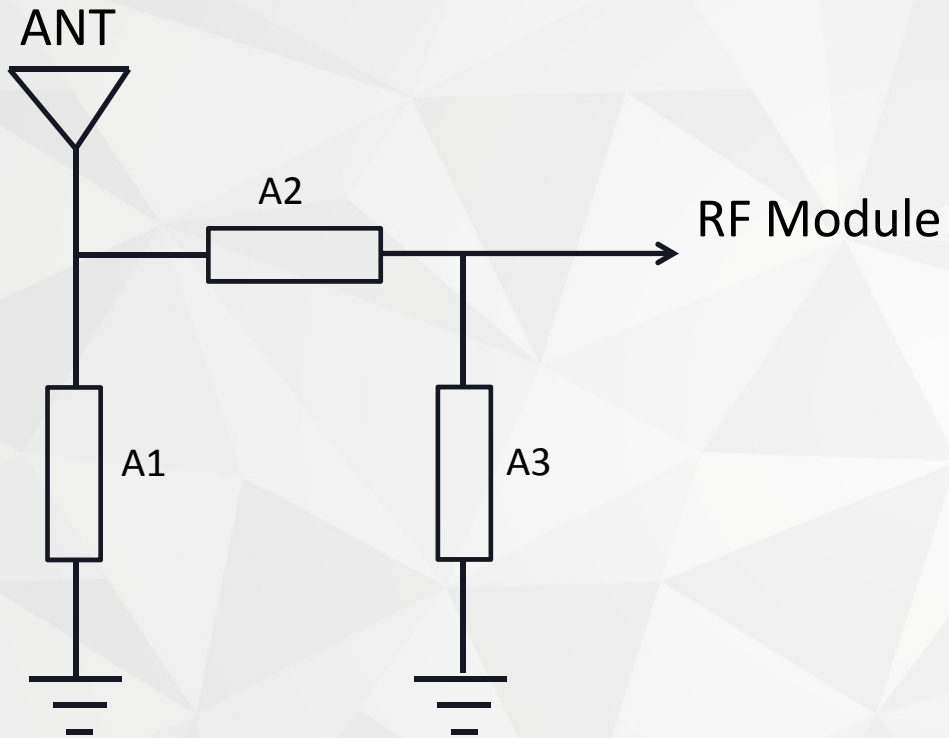
Anechoic Chamber



Combined-Axes System

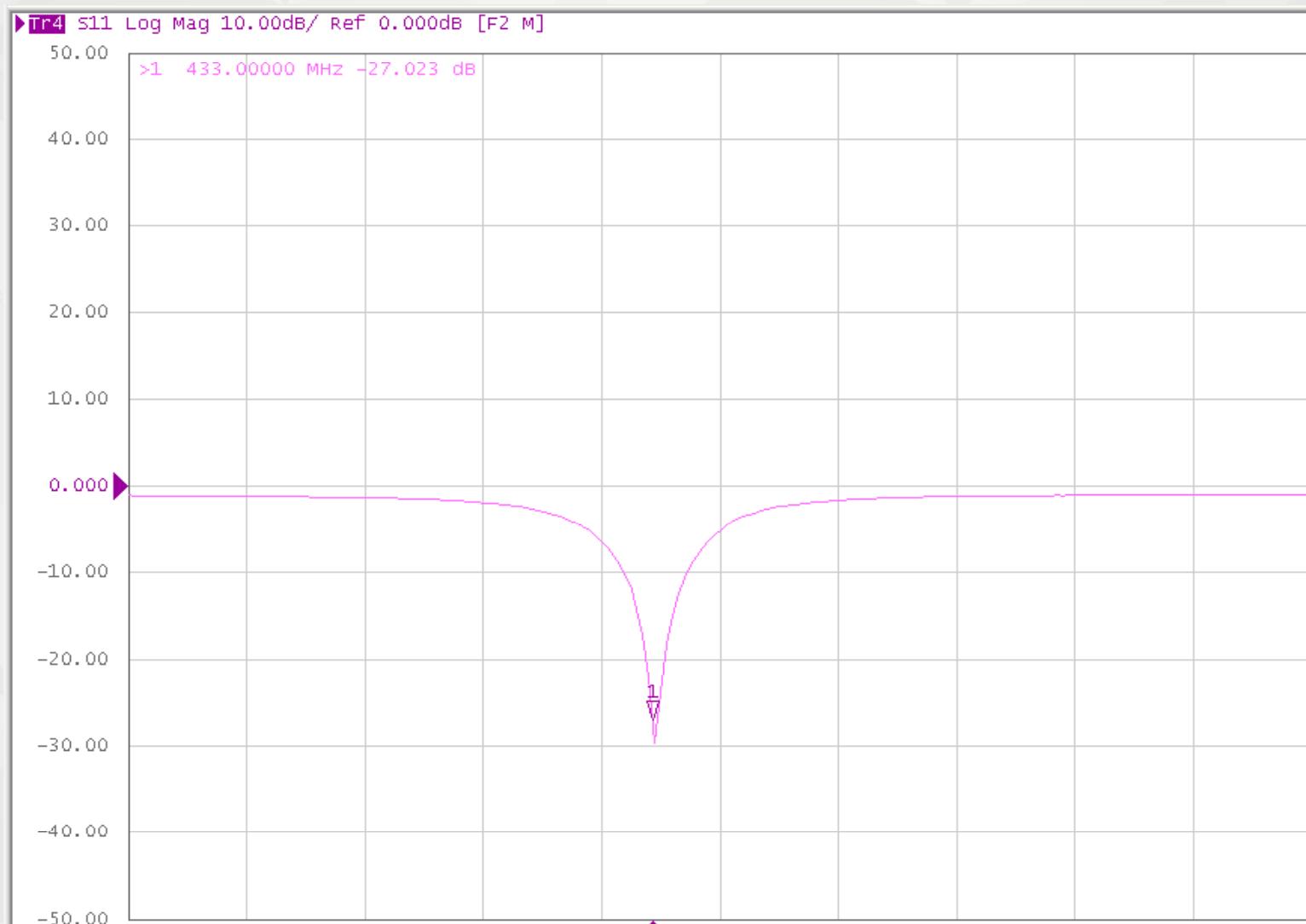
Comment: E1 plane means XZ section, E2 plane means YZ section, H plane means XY section.

Matching Circuit (433MHz天线)



A1	10nH
A2	0ohm
A3	/

S11 (433MHz天线)



Test Result - Passive (433MHz天线)

Freq. (MHz)	Gain (dBi)	Eff.
428	-5.82	18.8%
433	-5.31	20.4%
438	-6.09	15.6%