

深圳市玉博深电子科技有限公司
YU BO SHEN ELECTRONIC TECHNOLOGY CO., LTD

承 认 书
SPECIFICATION FOR APPROVAL

客户名称 Customer Name	SHENZHEN HAIJIXING TECHNOLOGY CO., LTD		
客户项目名 Customer Project Name	HJD-05	玉博深项目名 YBSProject Name	HJD-05
客户编码 Customer P/N		玉博深料号 YBS C P/N	WF3113B-0814L-80
频段 Band	WIFI2. 4G/BT		
版本号 Version	A0		
设计人信息/Designer Information			
射频工程师 RF Engineer	Yun Li	研发主管 R&D Diretor	Hai Yang
结构工程师 ME Engineer	Yating Huang		

审批/ Approval			客户批准/Customer Approval		
	制作 Prepared By	审核 Checked By	批准 Approval By	审核 Checked By	批准 Approval By
签章 Signature	Yating Huang	Hai Yang	JiaFeng Chen		
日期 Date	2026. 1. 20	2026. 1. 20	2026. 1. 20		

修订履历/Change Log				
版本 Version	修订内容 Change Description	责任人 Person in Charge	核准 Approval By	日期 Date

Building 3, Shangnan Bai Long Commercial Street, Shanglao Community, Xinqiao Subdistrict, Bao'an District, Shenzhen City

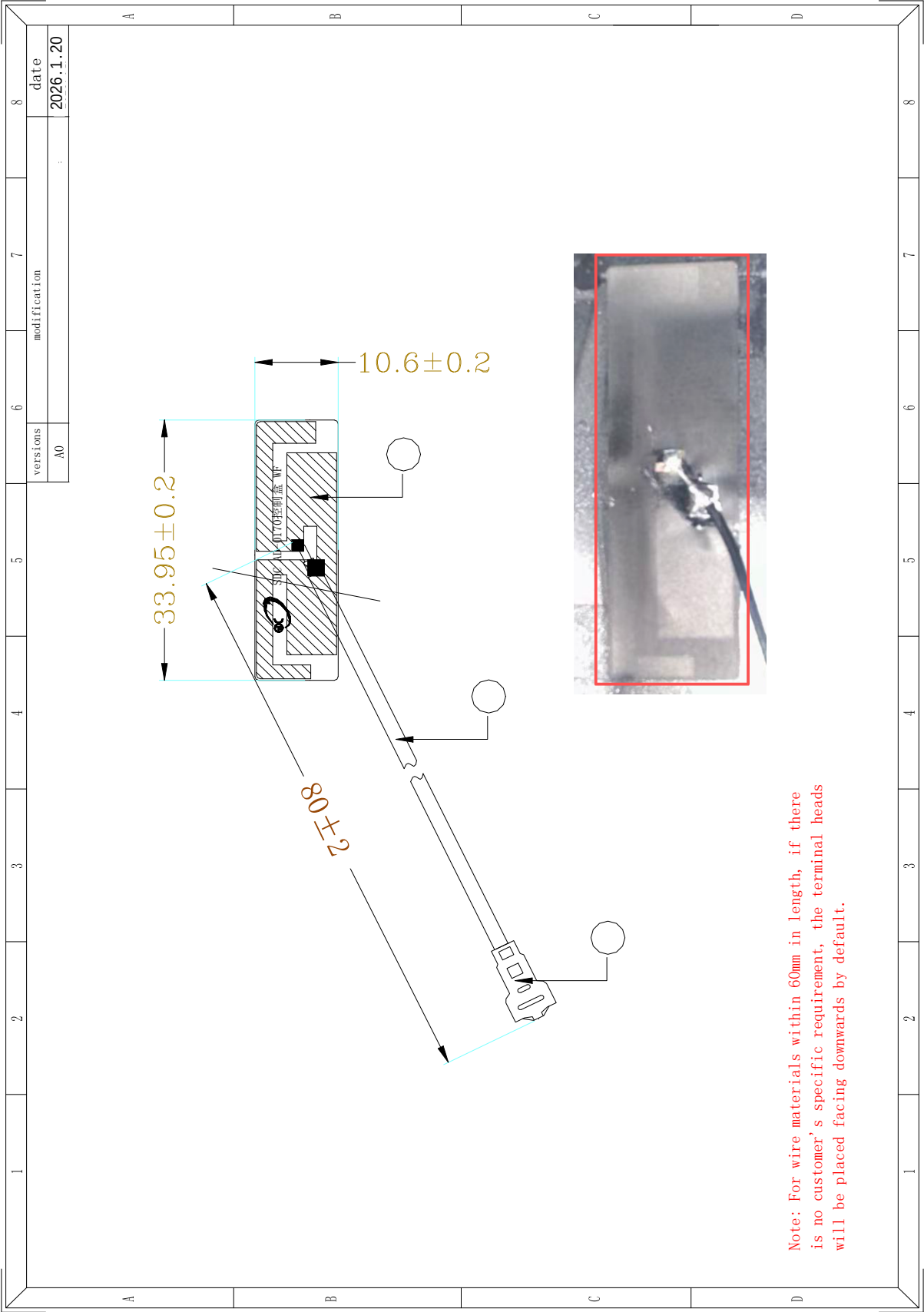
目录/Catalogue		
序号 No.	项目 Item	页码 Page No.
1	图纸或实物图片 Drawing or Product Image	3
2	尺寸测量报告 Dimensions Test Report	4
3	射频性能测试报告 RF Performance Test Report	5

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产品图纸或实物图片

Drawing or Product Image



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样品尺寸测量报告

Sample Dimensions Test Report

测试日期 Test Date	2026. 1. 20	样品数量 Sample Qty.	3	测试人 Inspector	许燕芳
尺寸编号 Dimension No.	标准 Standard	样品 1 Sample 1	样品 2 Sample 2	样品 3 Sample 3	Pass/NG
①长度	33.95±0.2mm	33.95	33.95	34.05	Pass
②宽度	10.6±0.2mm	10.6	10.7	10.6	Pass
③厚度	0.1±0.03mm	0.1	0.1	0.1	Pass
④线长	80±2mm	80	80	80	Pass
⑤					
⑥					
⑦					
最终结论 Conclusion					PASS
测试人&日期 Inspector & Date	Yanfang Xu 2026. 1. 20		批准&日期 Approval & Date	2026. 1. 20	

射频性能测量报告

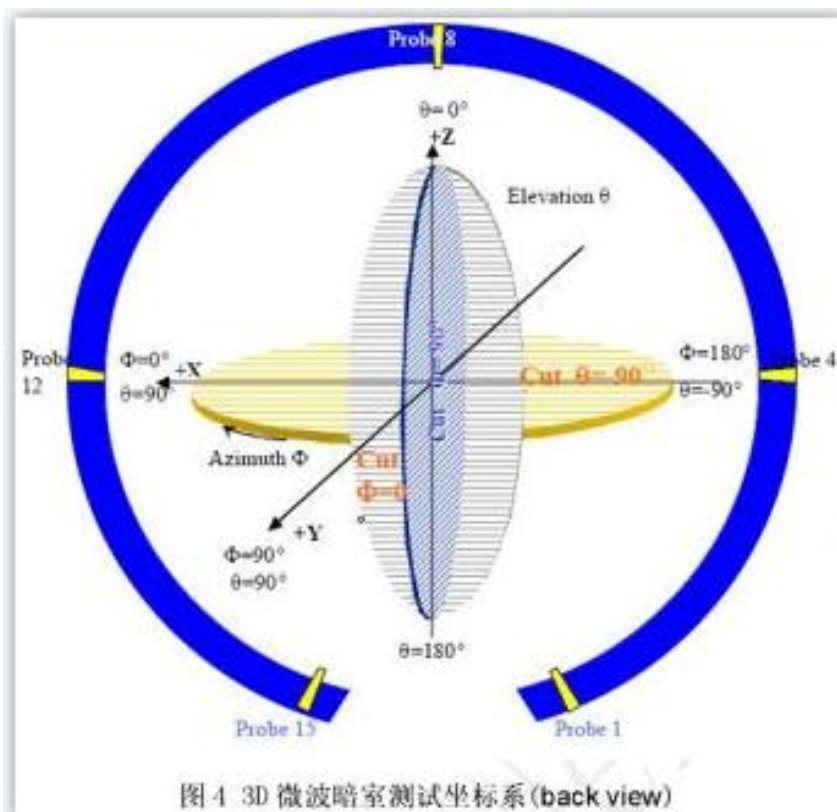
RF Performance Test Report

天线测试设备简介

Antenna Test Equipment Introduction

测试天线输入特性使用 **Agilent E5071C** and **Agilent 5062A** 矢量网络分析仪；辐射特性利用广屏三维近场暗室进行测试，并分别使用 8960 E5515 和 Agilent E4438C 进行了分析。暗房的测试坐标如下：

Test of antenna input characteristics using **Agilent E5071C** and **Agilent 5062A** vector network analyzer; The radiation pattern of the antenna are tested using the guangping 3D near field Anechoic Chamber, and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:



1. S11 参数测量/**S11 Parameter-VSWR**

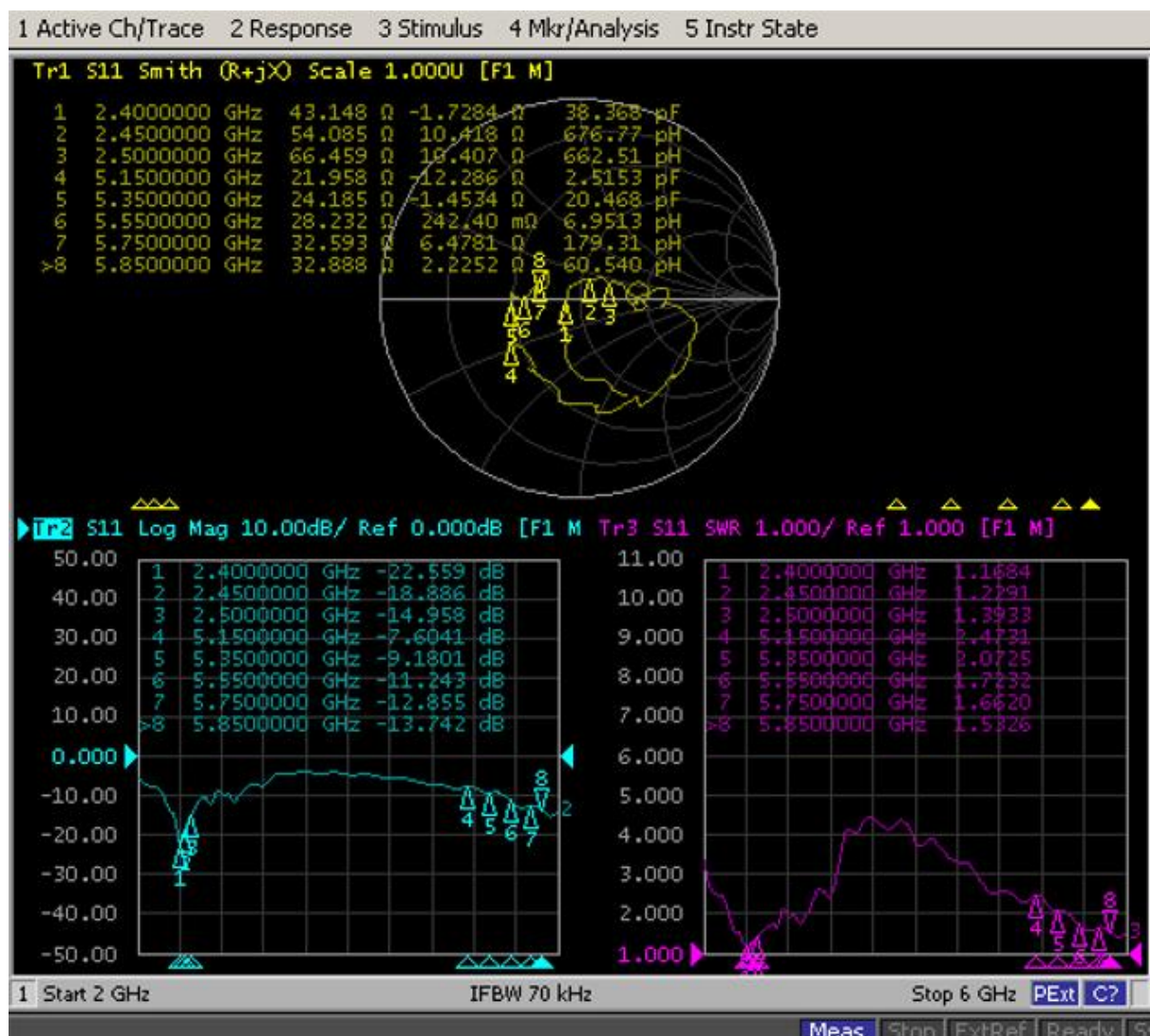
使用一根 50 Ω 同轴电缆连接到天线，然后该电缆连接到网络分析仪测量 S11 参数，被测量产品远离金属至少 20 厘米。

Measuring Method is a 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.

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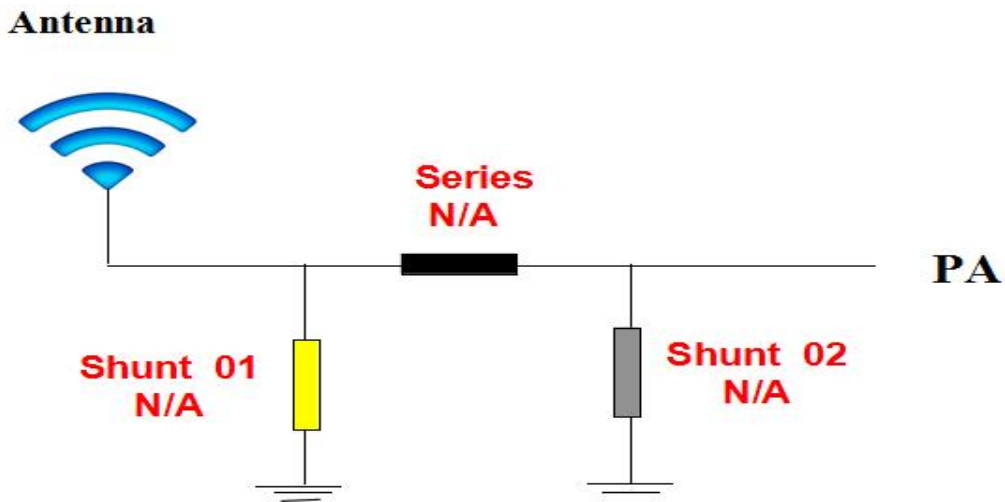
S11 Parameter-VSWR



Fre. (MHZ)	2400	2450	2500
Impedance Ω	43. 14	54. 08	66. 45
Fre. (MHZ)	2400	2450	2500
SWR	1. 16	1. 22	1. 39
Fre. (MHZ)	2400	2450	2500
Return loss	-22. 55	-18. 88	-14. 95

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2. 天线匹配网络/Antenna Matching Network



3. Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	40.83	0.53
2450	41.16	0.68
2500	41.29	0.61

