



Antenna specification

客户名称 Customer Name	德本		
客户项目名 Customer Project Name	DB90	顺达成项目名 SDC Project Name	DB90
客户编码 Customer P/N		顺达成料号 SDC P/N	WF4300B-0814R-60
频段 Band	2400-2500MHz		
Model	A1		
设计人信息/Designer Information			
射频工程师 RF Engineer	陈均鑫	研发主管 R&D Diretor	符学荣
结构工程师 ME Engineer	李瑶娜		

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	李瑶娜	杨永辉	符学荣		
日期 Date	2023. 07. 14	2023. 07. 14	2023. 07. 14		

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



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Drawing or Product Image

传真:0755-29485750



样品尺寸测量报告

Sample Dimensions Test Report

测试日期 Test Date	2023. 07. 14	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	10±0. 2mm	10	10. 1	10. 0	Pass
②宽度	15. 33±0. 2mm	15. 33	15. 43	15. 43	Pass
③厚度	0. 1±0. 03mm	0. 1	0. 1	0. 1	Pass
④线长	60±2mm	60	61	60	Pass
⑤					
⑥					
⑦					
最终结论 Conclusion					PASS
测试人&日期 Inspector & Date	许燕芳 2023. 07. 14		批准&日期 Approval & Date		



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:

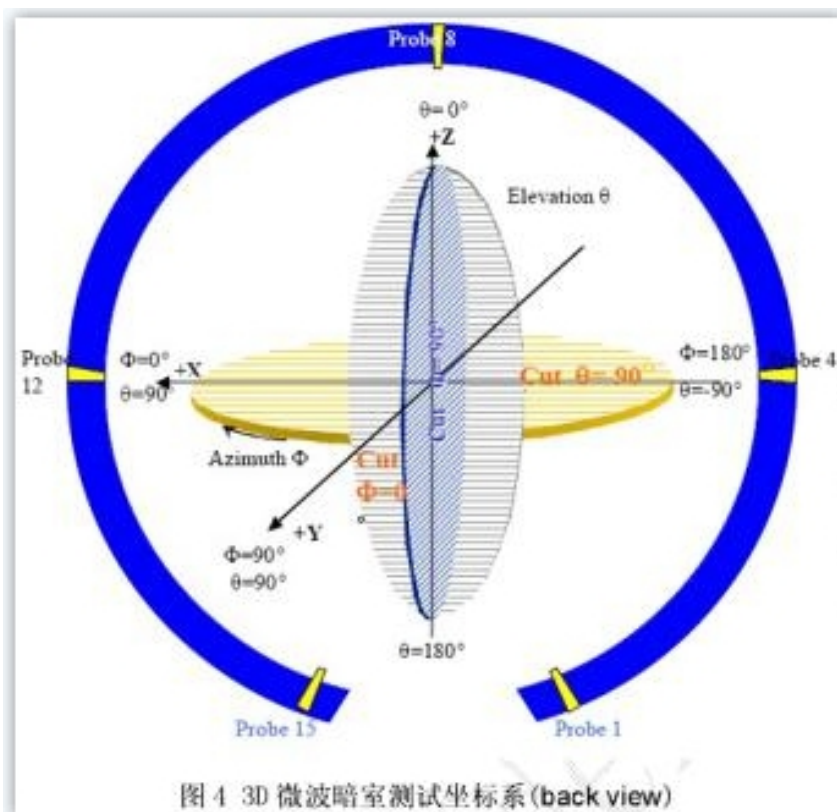


图 4 3D 微波暗室测试坐标系 (back view)

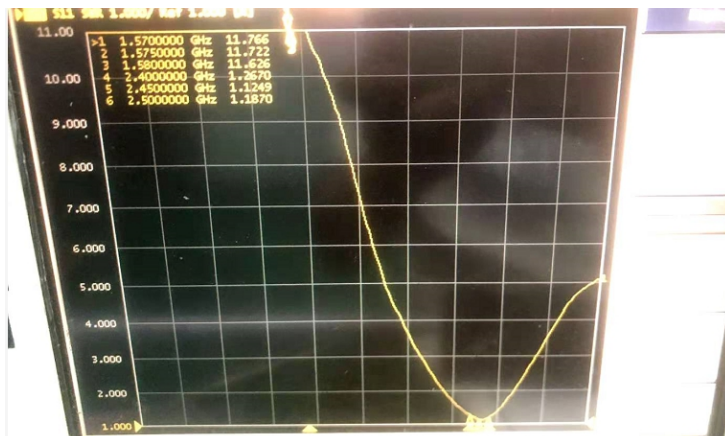
1. S11 参数测量 / **S11 Parameter-VSWR**

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.

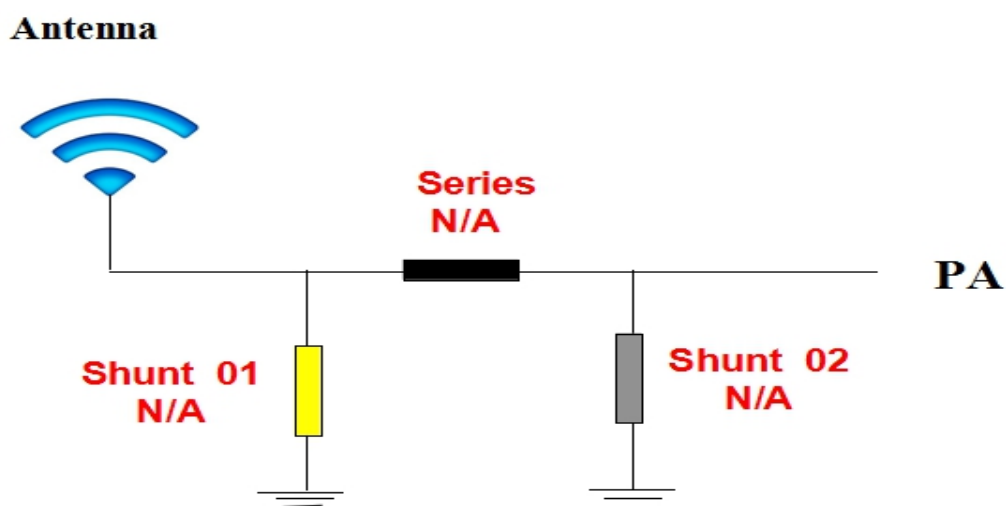


S11 Parameter-VSWR



Frequency(MHz)	2400	2450	2500
VSWR	1.26	1.12	1.18

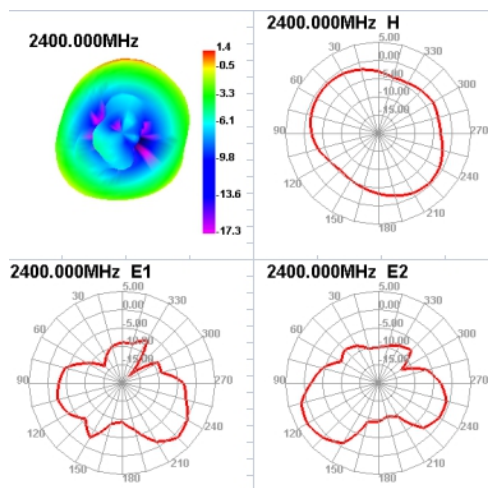
2. 天线匹配网络/Antenna Matching Network





3. Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.47	1.35
2450	43.61	1.38
2500	44.51	1.46





深圳市顺达成科技有限公司
SHUN DA CHENG TECHNOLOGY CO., LTD

产品 ROHS 证书

Certificate

Certificate Number: UNIB22051904HC-01



Product: Fpc antenna
Applicant: ShenZhen ShunDaCheng Technology Co., Ltd.
4th Floor, Building B5, Xinfu Industrial Zone, Fuyong Chongqing Road,
Bao'an District, Shenzhen
Manufacturer: ShenZhen ShunDaCheng Technology Co., Ltd.
Model No.: N/A
Trade Name: N/A
Test Methods: IEC 62321-2:2017, IEC 62321-3-1:2013, IEC 62321-4:2013 +A1:2017,
IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015
IEC 62321-7-2:2017, IEC 62321-8:2017

The laboratory tested the product provided by the applicant according to the above test methods. According to the test results, the product conforms to RoHS Directive [(2011/65/EU and Amendment (EU) 2015/863)] issued by the European Commission. It is possible to use CE marking to demonstrate the compliance with RoHS Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: UNIB22051904HR-01.

Note: According to the requirements of the applicant for testing, details are shown in the test report.

RoHS

May 27, 2022
Issue Date



CE

Shenzhen United Testing Technology Co., Ltd.

Shenzhen: 2/F., Annex Building, Jiahua Yuan Tech Park, No.365, Baotian 1st Road, Xixiang Street,
Bao'an District, Shenzhen, Guangdong, China/518050

Guangzhou: No.47-3, Industrial Road, Zhushan, Dalong Street, Panyu District, Guangzhou, Guangdong,
China/511450

Tel: +86-755-86180996 / +86-020-39277769 Fax: +86-0755-86180156

Web Site: www.uni-lab.hk / E-mail: hofferlm@uni-lab.hk



Certificate of Compliance