



承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer Name			
客户项目名 Customer Project Name		顺达成项目名 SDC Project Name	
客户编码 Customer P/N		顺达成料号 SDC P/N	WF3927B-0814R-180 (黑)
频段 Band	WIFI2. 4G/5. 8G/BT		
版本号 Version	A0		



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	5-6

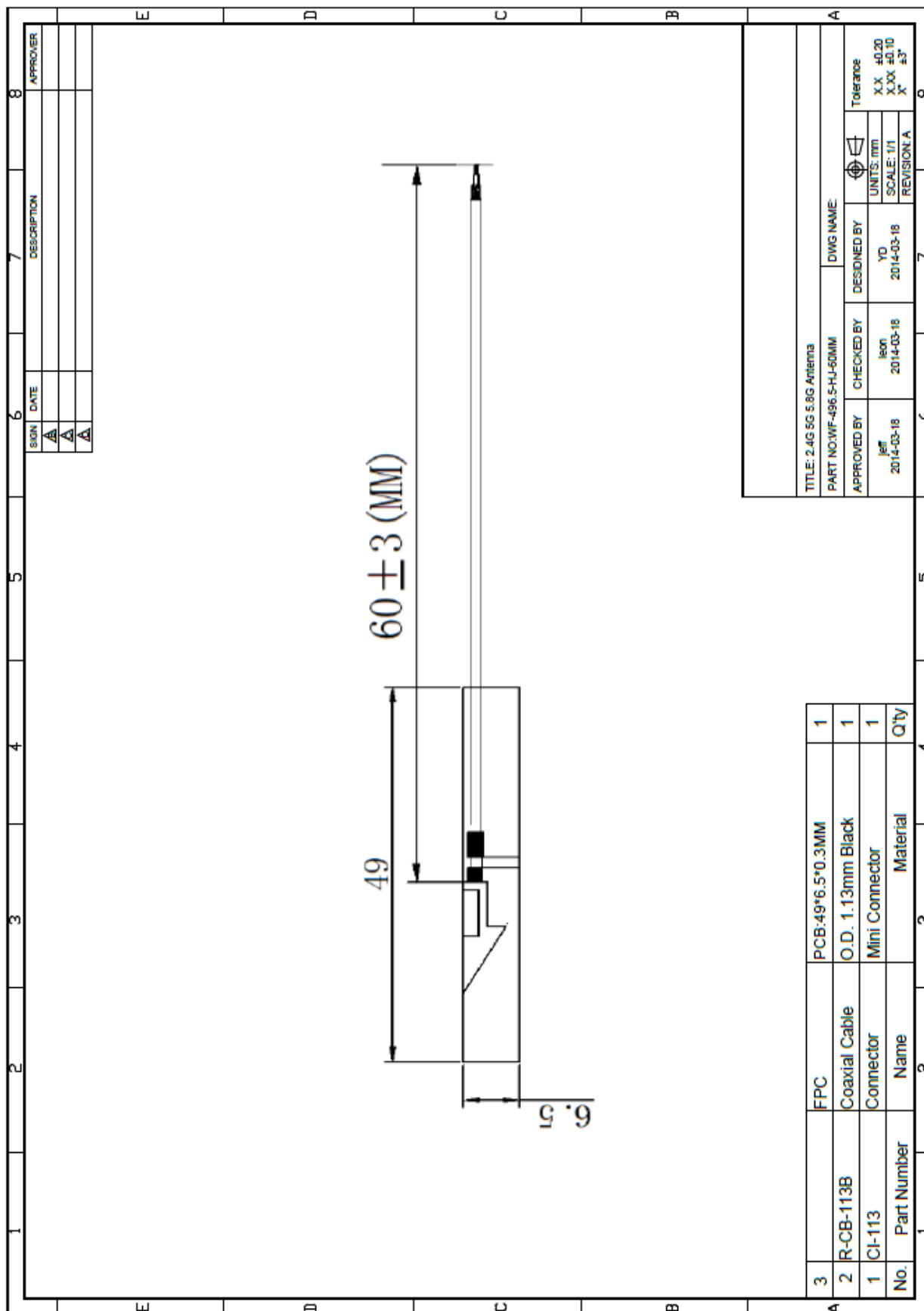


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产品图纸或实物图片

Drawing or Product Image





射频性能测量报告

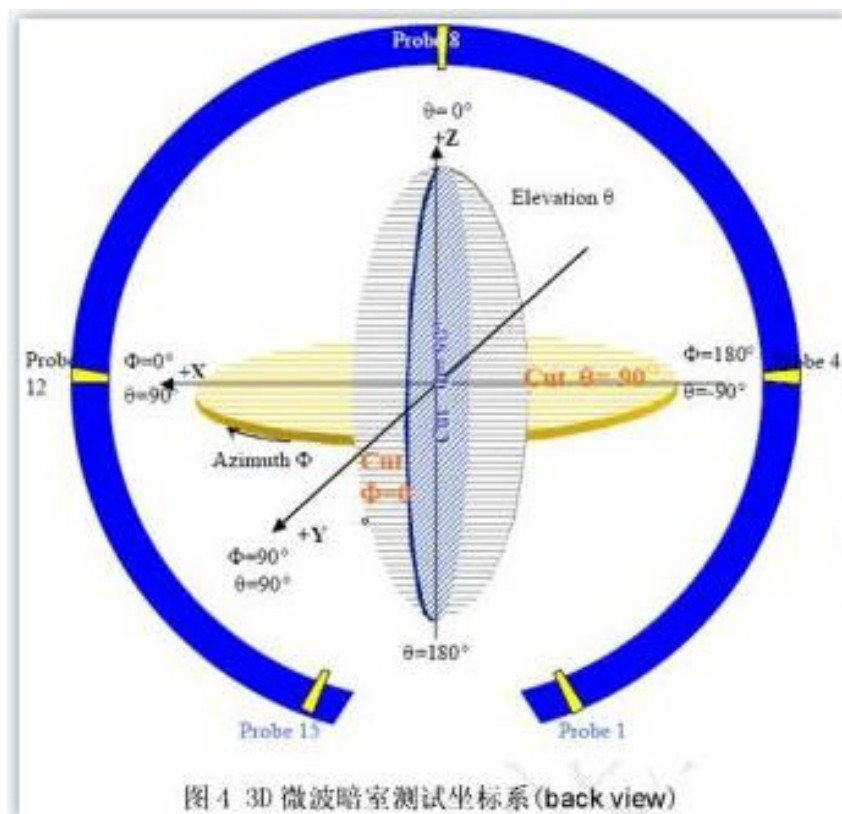
RF Performance Test Report

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 50Ω 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。

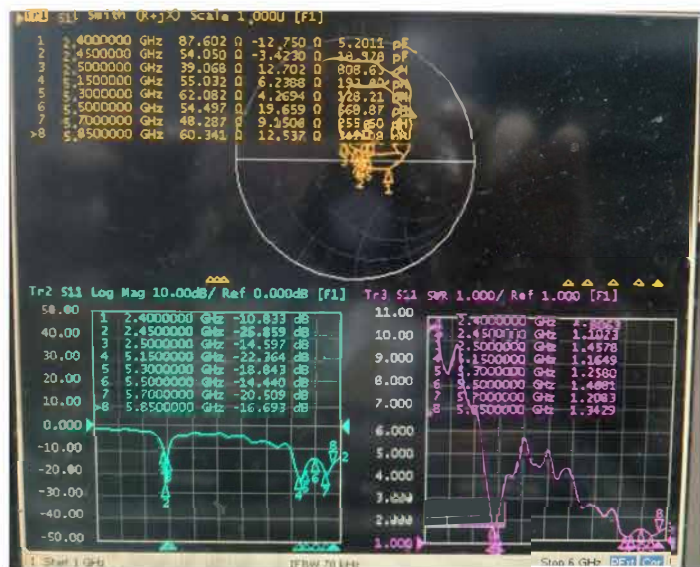
Measuring Method is a 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.



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S11 Parameter-VSWR -WIFI

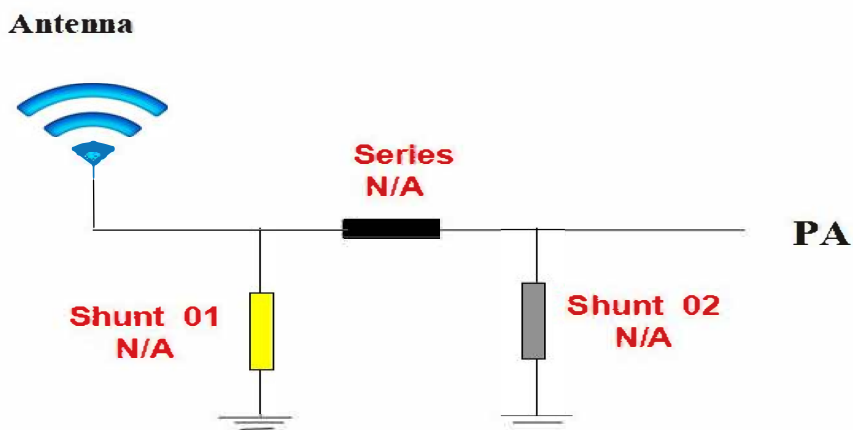


频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
驻波比	1.8	1.1	1.4	1.1	1.2	1.4	1.2	1.3
阻抗	87.6 Ω	54 Ω	39 Ω	55 Ω	62 Ω	54.4 Ω	48.2 Ω	60.3 Ω
回损	-10.8	-25.8	-14.5	-22.3	-18.8	-14.4	-20.5	-16.6

频率 (MHz)	2400	2450	2500	5150	5300	5500	5700	5850
驻波比	1.8	1.1	1.4	1.1	1.2	1.4	1.2	1.3
阻抗	87.6 Ω	54 Ω	39 Ω	55 Ω	62 Ω	54.4 Ω	48.2 Ω	60.3 Ω
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2. 天线匹配网络/Antenna Matching Network



3. Gain & Efficiency-WIFI

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	41.67	1.24
2450	43.15	1.31
2500	42.39	1.29
5150	41.36	1.13
5350	41.62	1.25
5550	41.77	1.33
5850	42.38	1.36

