



# 承 认 书

## APPROVAL SHEET

客户名称 Customer				
客户料号 Customer P/N				
项目名称 Project Name	WiFi Dual-band SMA Male(Black)			
供应商名称 Supplier	上海圣丹纳电子科技股份有限公司 Shanghai Saintenna Electronic Technology Co.,Ltd			
圣丹纳物料型号 Saintenna P/N	SAA31092A			
是否符合 RoHS IF ROHS	yes			
送样日期 Providing Date	2017. 10. 13			
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: 上海市宝山区宝祁路611号8号楼 Address: Building 8, No.611 Bao Qi Road, Bao Shan District, Shanghai, China				
电话/Tel: 086-021-36307272; 传真/Fax: 086-021-36307757				
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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# 目录/Content

一 封面/Cover.....	<input checked="" type="checkbox"/>
二 目录/Content.....	<input checked="" type="checkbox"/>
三 规格/Specification.....	<input checked="" type="checkbox"/>
四 图纸/Drawing.....	<input checked="" type="checkbox"/>
五 全尺寸报告/Dimension Report.....	<input type="checkbox"/>
六 电性能报告/Electric Report.....	<input checked="" type="checkbox"/>
七 环保/ROHS.....	<input type="checkbox"/>
八 UL Certification.....	<input type="checkbox"/>
九 盐雾测试及电性能对比/Salt Spay Test and Electric Comparison Report.....	<input type="checkbox"/>
十 包装.....	<input type="checkbox"/>

# 规格

## Specification

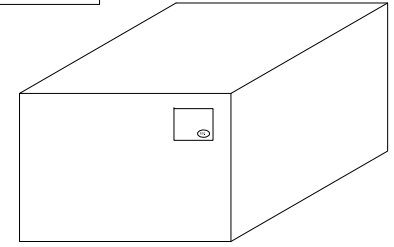
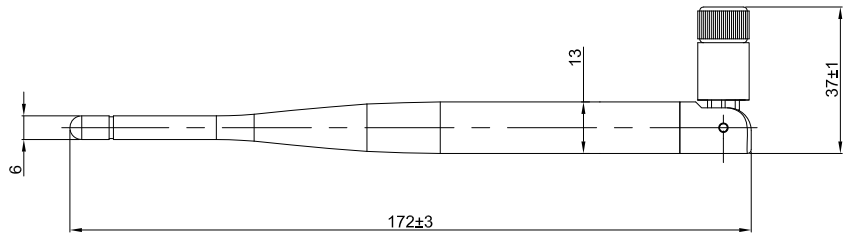
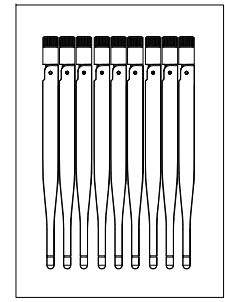
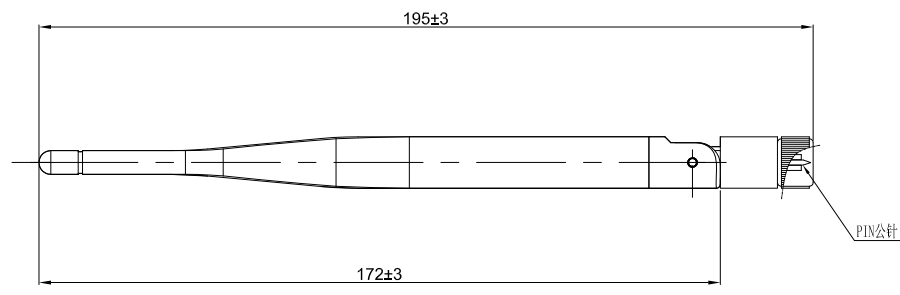
### 1. 物理特性/Physical Properties

- 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.....  $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$

### 2. 电性能参数/Electrical Properties

- 频段/Frequency Range..... 2.4~2.5GHz/5.15~5.85GHz
- 特性阻抗/Impedance.....  $50\ \Omega$
- 驻波比/VSWR.....  $< 2$
- 效率/Efficiency.....  $\leq$
- 增益/Peak Gain..... 5DBI

1	2	3	4	5	6
标记	签名	修改内容	日期		



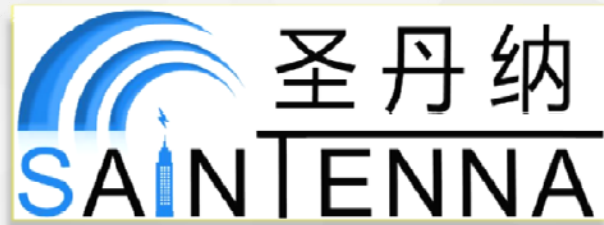
- 1.外箱需贴1PCS/ROHS 标签于外箱标签上
- 2.外箱需贴1PCS/外箱标签于外箱侧麦右上角

10	SAY50137A	热缩套管	5DBI-WiFi热缩套管:直径7.0*35.00mm	黑色	1	
9	SOT90141A	WiFi-5DBI连接线	WiFi-5DBI连接线:RG174同轴线	米色	1	
8	SAS60069A	SMA接头	5DBI杆套小孔SMA-Male接头	黑色	1	
7	SAS60054A	WiFi-5DBI-弹簧	5DBI/双铜管天线/WiFi弹簧	黄色	1	
6	SAS60058A	WiFi-5DBI-铜管	WiFi-5DBI-天线铜管:黄铜-OD6.6*21mm	黄色	1	
5	SAS60059A	WiFi-5DBI-铜管	WiFi-5DBI-弹簧铜管:黄铜-OD6.6*16mm	黄色	1	
4	SAP20723A	5dBISMA下固小孔	外置天线5DBISMA下固小孔	黑色	1	
3	SAP20721A	5DBI上固	外置天线5DBI上固	黑色	1	
2	SAP20720A	5DBI杆套	外置5DBI天线杆套	黑色	1	
1	SAP20719A	3-5DBI铆钉	外置天线3-5DBI天线杆套铆钉	黑色	2	
序号	零件料号	零件名称	描述	颜色	数量	备注



上海圣丹纳电子科技股份有限公司

第三视角 0~3 ±0.05 3~30 ±0.10 30~50 ±0.15 50~80 ±0.20 角度 ±1°	第三视角 第三视角 第三视角 第三视角 第三视角	项目名称	5DBI-外置天线	日期	2017.10.13					
		设计		设计	mayuxue					
第 1 页, 共 1 页	第三视角 第三视角 第三视角 第三视角 第三视角	产品名称	双频WiFi	审核	MD	mayuxue				
		产品料号	SAA31092A	审核	RF	Robin Yu				
				批准						
				单位	mm	比例	FIT	版本	S1	



# WiFi Dual-Band 5dBi Antenna

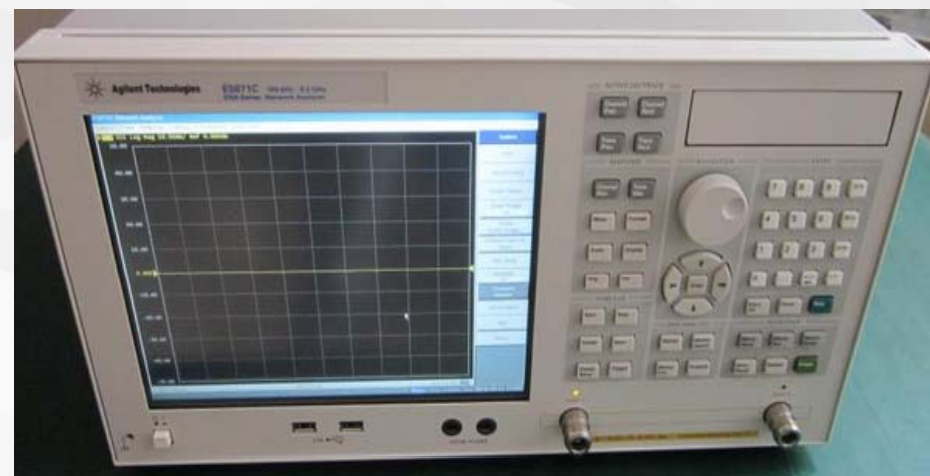
**Shanghai Saintenna Electronic Technology Co.,LTD.**

# Project Information

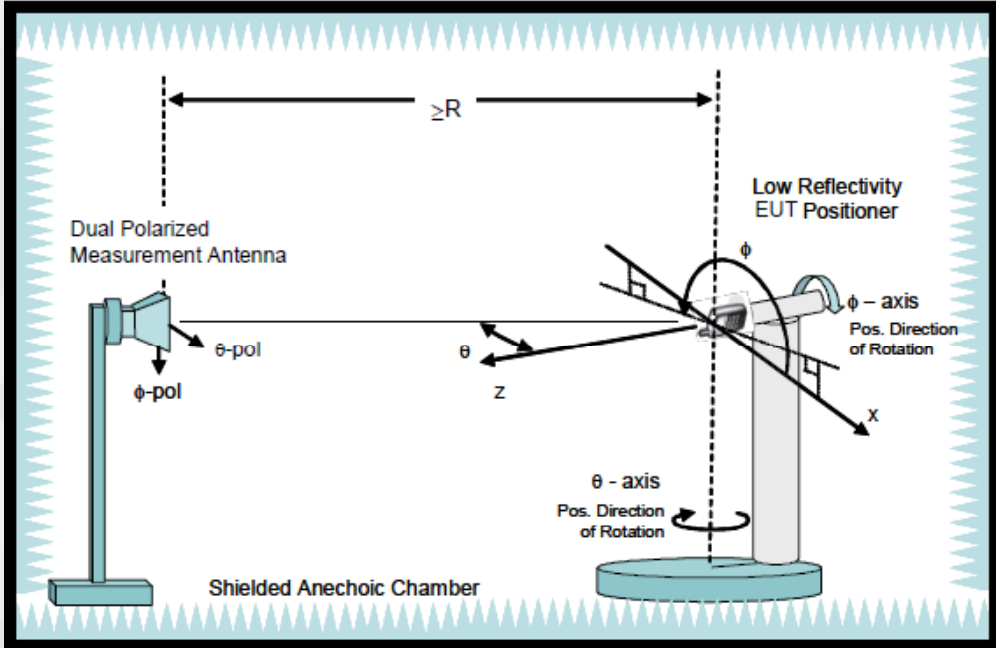
客户名称 Customer Name	-
项目名称 Project Name	WiFi Dual-Band 5dBi
工作频段 Working Band	2.4~2.5GHz/5.15~5.85GHz
规格 Description	SMA Male
版本 Version	V1.0
日期 Date	2017-6-28

# 调试仪器

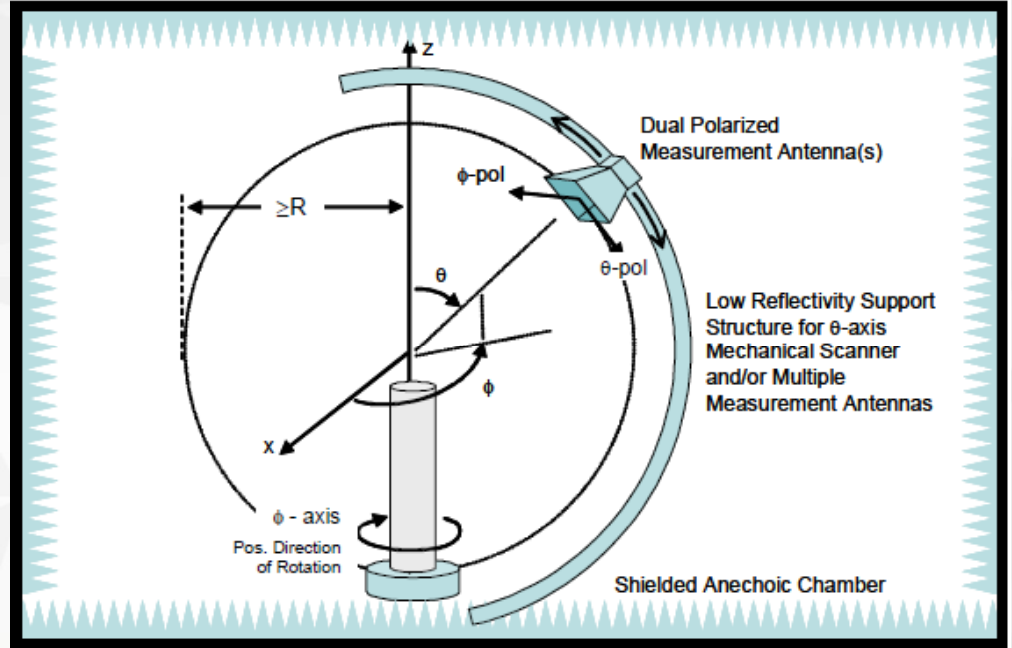
Network Analyzer	Agilent E5071C
Frequency Range	100KHz ~ 8.5GHz
Test Item	Return Loss/VSWR/Smith Chart /Isolation



# Typical Setup for Test System



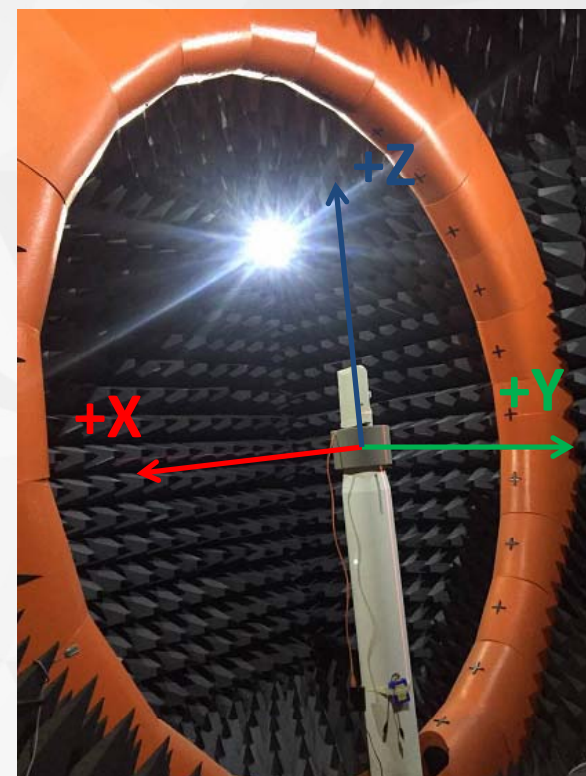
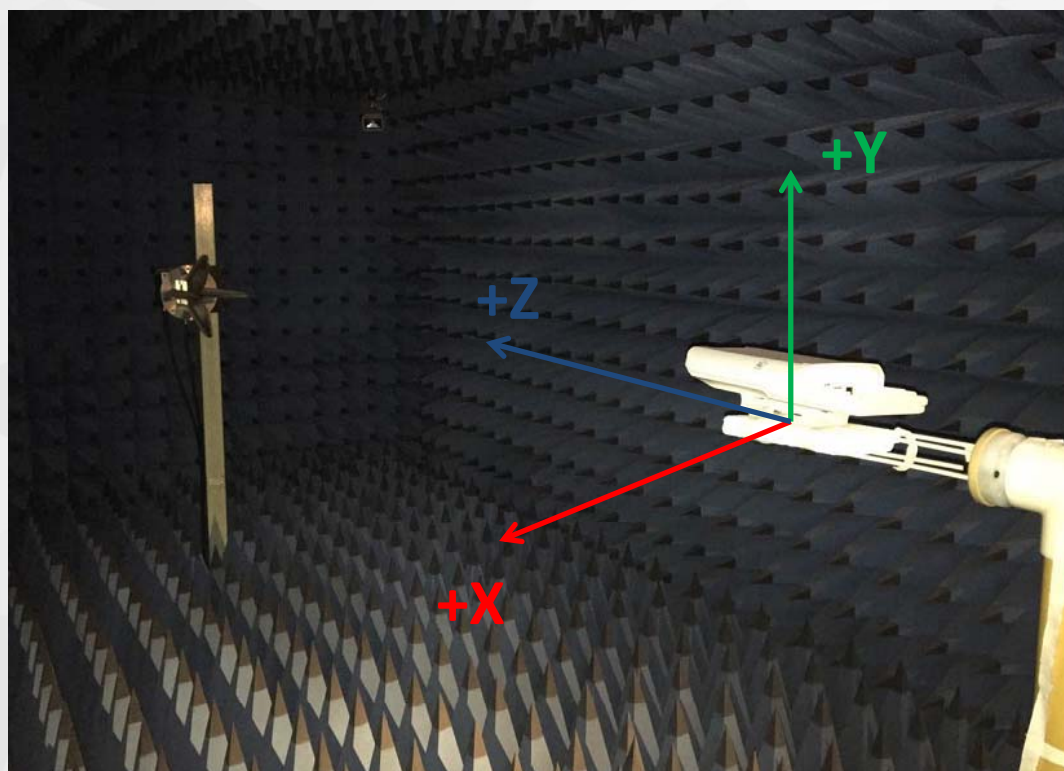
Combined-Axes System



Distributed-Axes System



# Shielding Anechoic Chamber

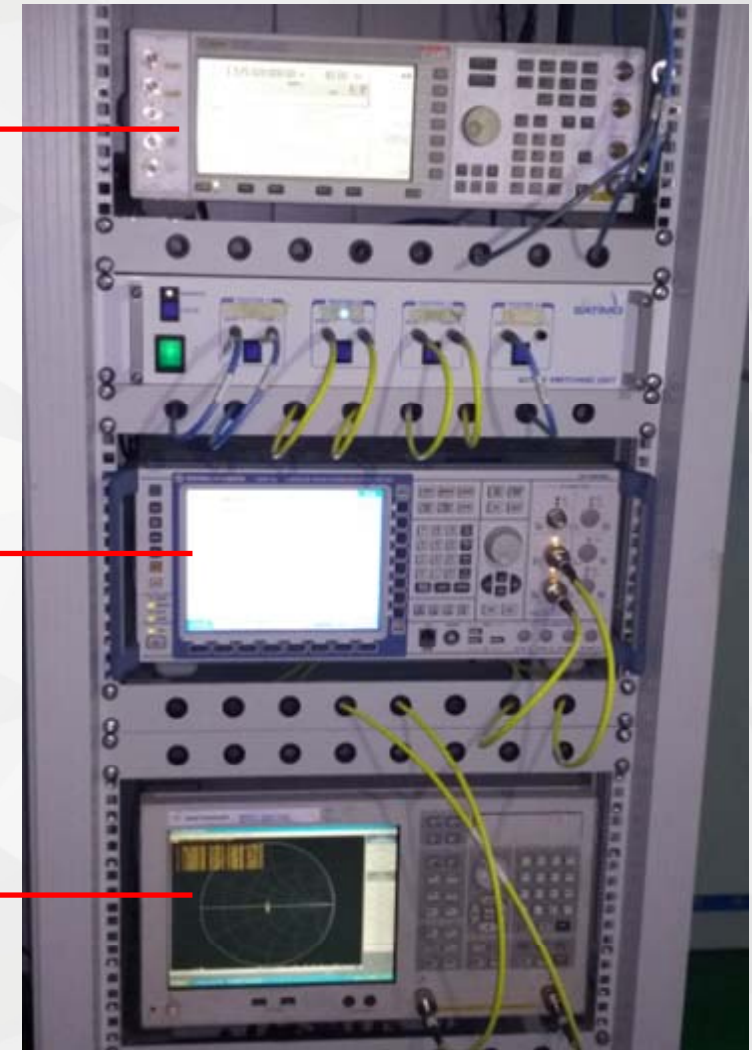


# Test Instrument

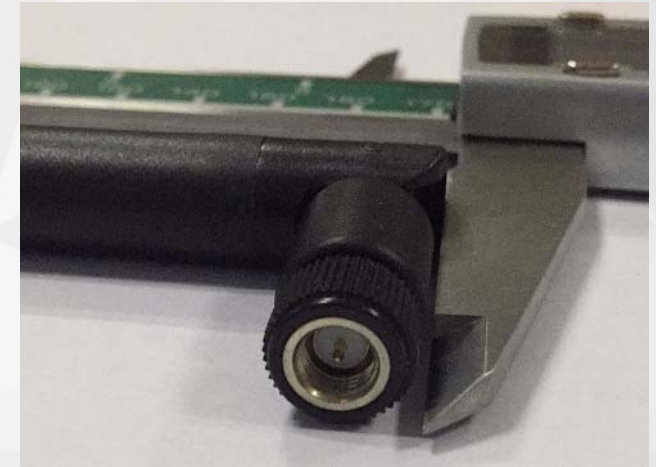
Generator	Agilent E4438C
Test Item	GPS

Radio Communication Tester	R&S CMW500
Test Item	Active Test

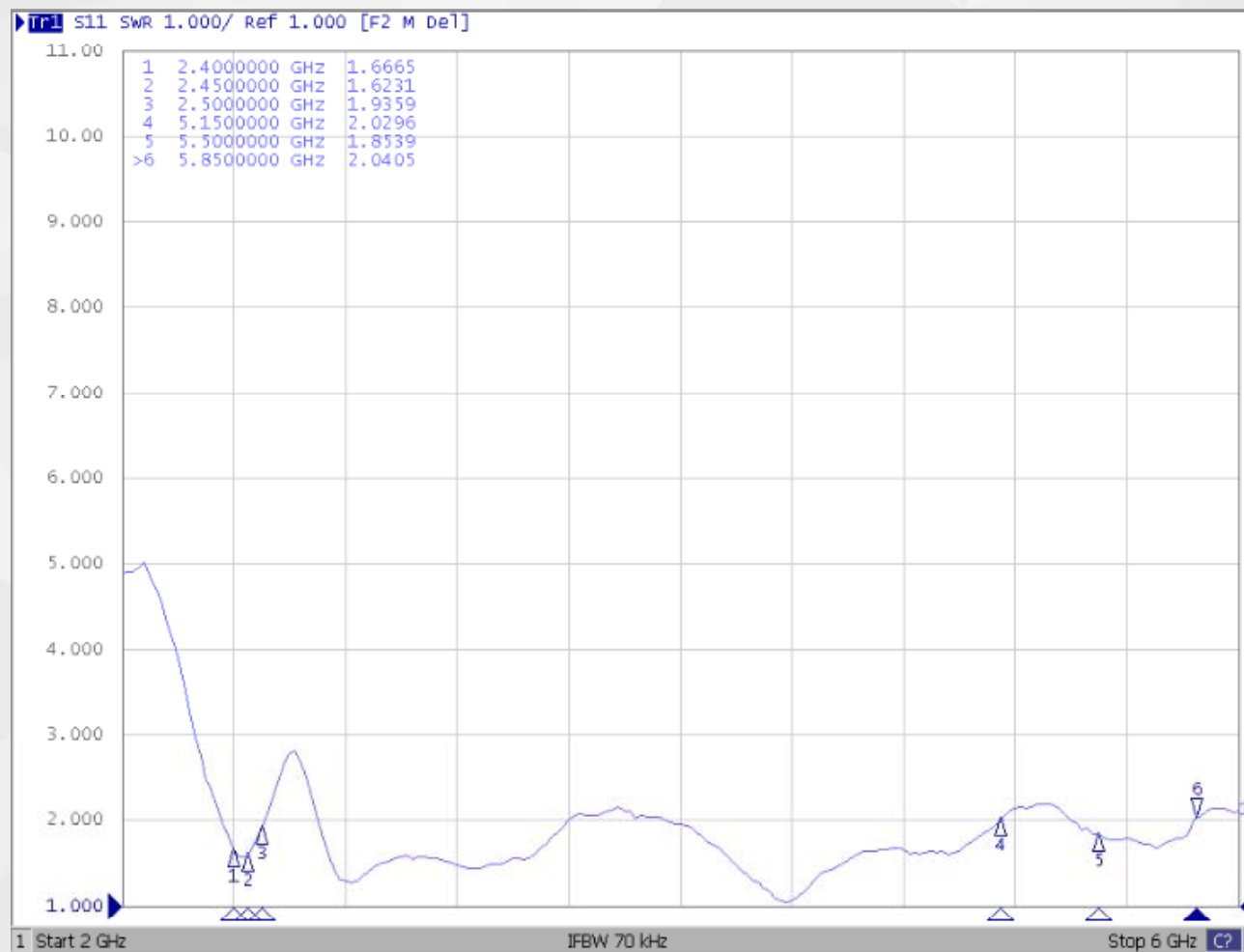
Network Analyzer	Agilent E5071C
Test Item	Passive Test



# Antenna Sample Description



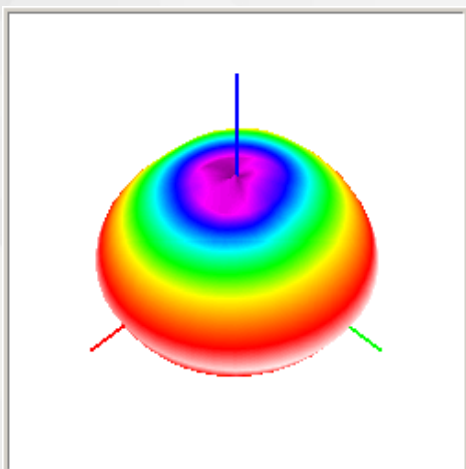
# VSWR Picture



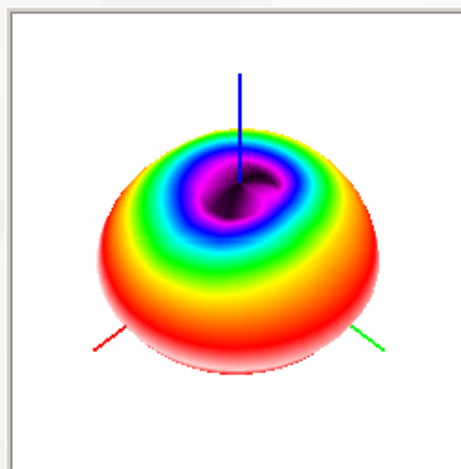


# Test Result

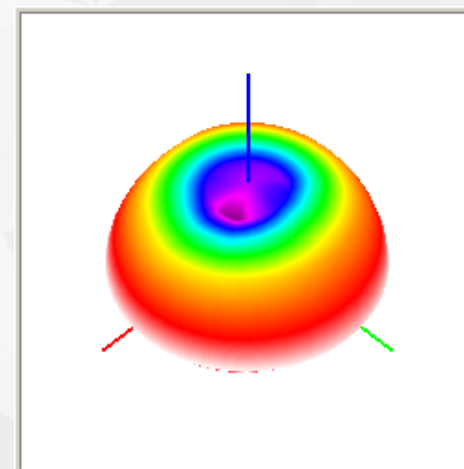
Frequency(GHz)	2.4	2.45	2.5
VSWR	1.6	1.6	1.9
Gain(dBi)	5.38	5.16	4.66



2.4GHz



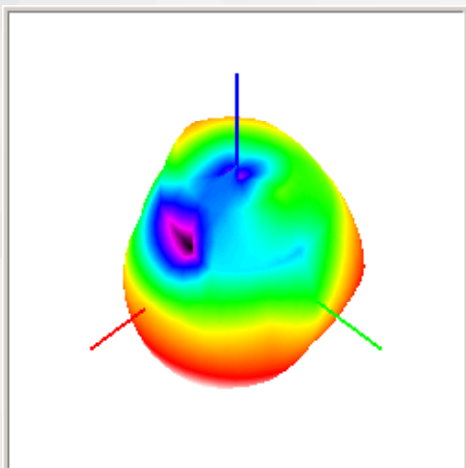
2.45GHz



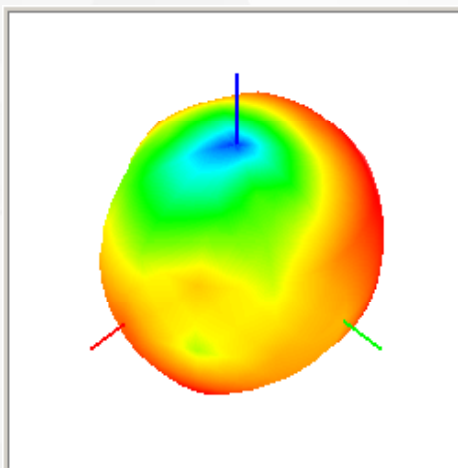
2.5GHz

# Test Result

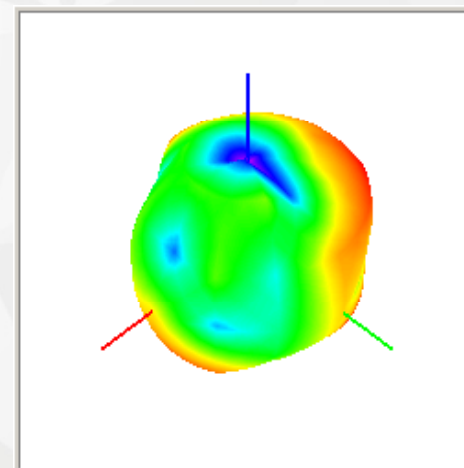
Frequency(GHz)	5.15	5.5	5.85
VSWR	2.0	1.8	2.0
Gain(dBi)	4.48	5.05	4.54



5.15GHz



5.5GHz



5.85GHz