



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)

CONFIDENTIAL

The information contained in this product is of a proprietary nature. It may not be reproduced without expressed written permission of Shanghai Saintenna Electronic Technology Co., Ltd.

目录/Content

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

规格

Specification

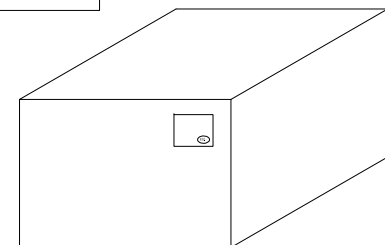
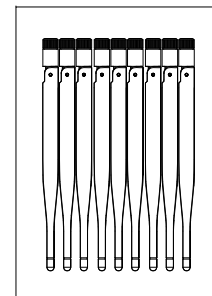
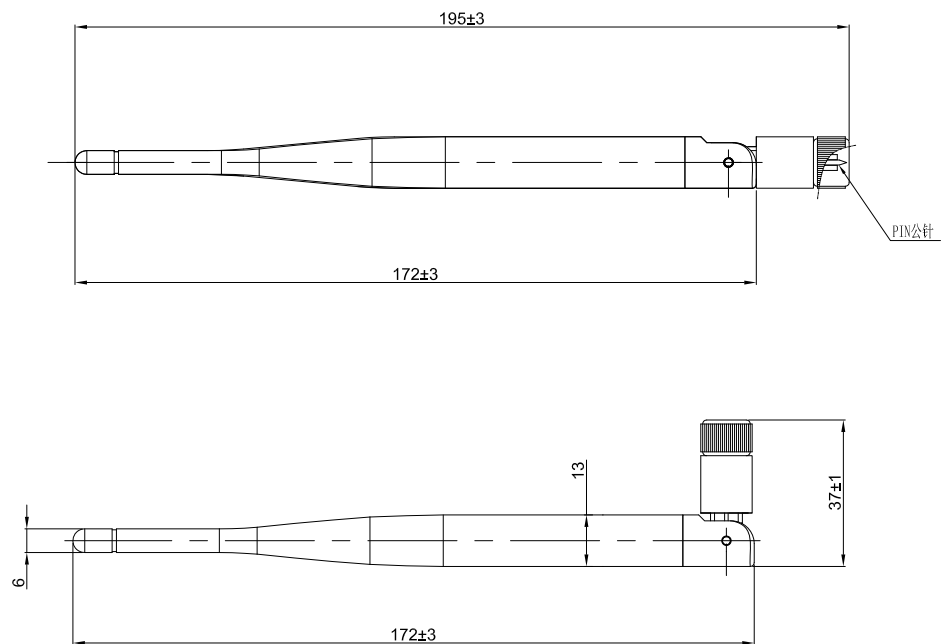
1. 物理特性/Physical Properties

- 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

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				项目名称	5DBI-外置天线	日期		2017.10.13			
0~3	±0.05		0.05			设计		mayuxue			
3~30	±0.10		0.03	产品名称	双频WiFi	审核		MD	mayuxue		
30~50	±0.15		Ø0.02					RF	Robin Yu		
50~80	±0.20		0.02			产品料号	SAA31092A	批准			
角度	±1°		0.05	单位	mm					比例	FIT
第 1 页, 共 1 页											



WiFi Dual-Band 5dBi Antenna

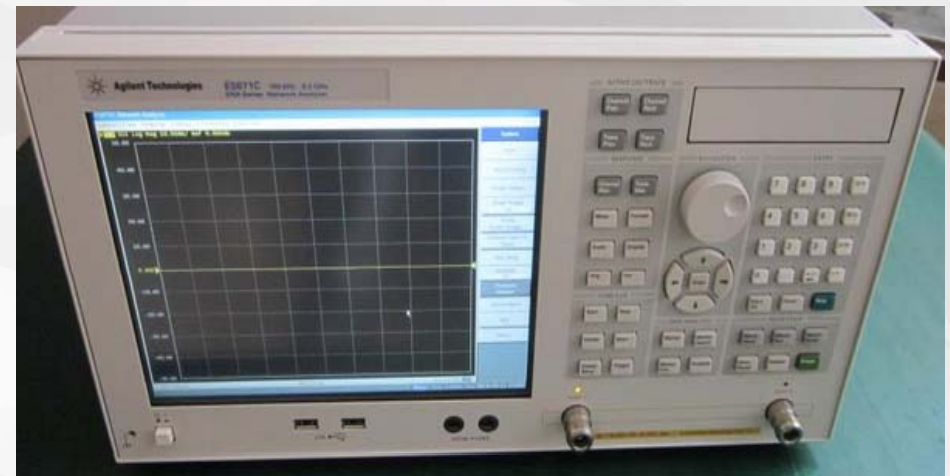
Shanghai Saintenna Electronic Technology Co.,LTD.

Project Information

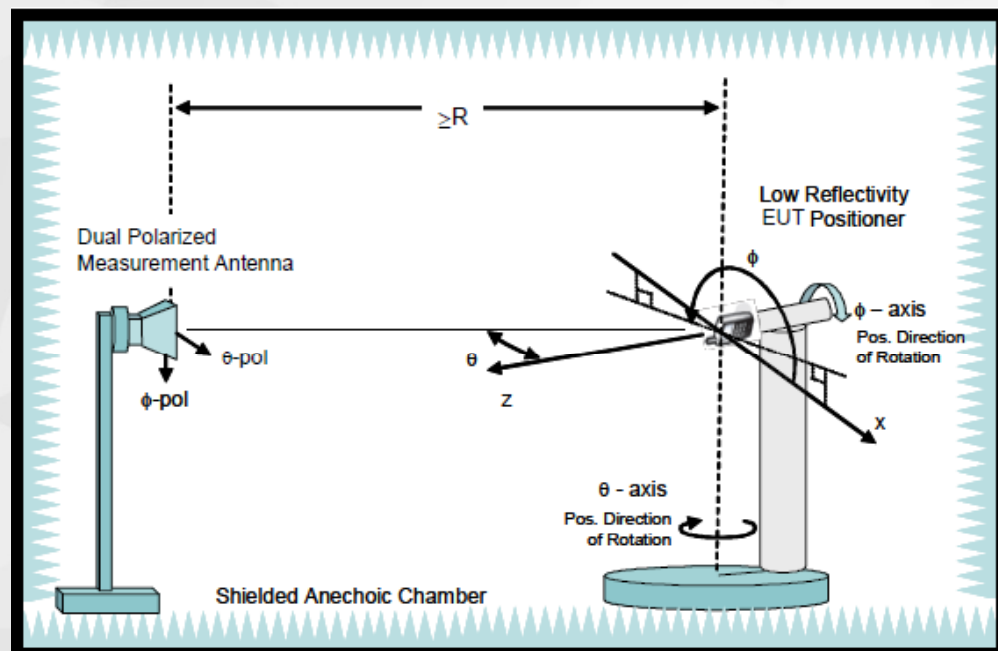
客户名称 Customer Name	-
项目名称 Project Name	WiFi Dual-Band 5dBi
工作频段 Working Band	2.4~2.5GHz/5.15~5.85GHz
规格 Description	SMA Male
版本 Version	V1.0
日期 Date	2017-6-28

调试仪器

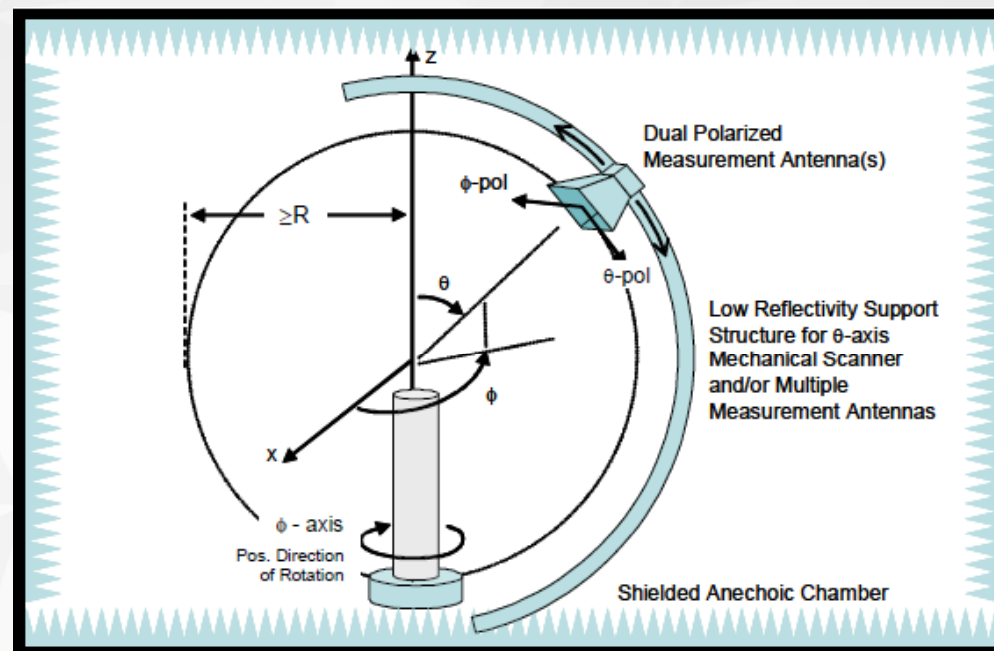
Network Analyzer	Agilent E5071C
Frequency Range	100KHz ~ 8.5GHz
Test Item	Return Loss/VSWR/Smith Chart /Isolation



Typical Setup for Test System

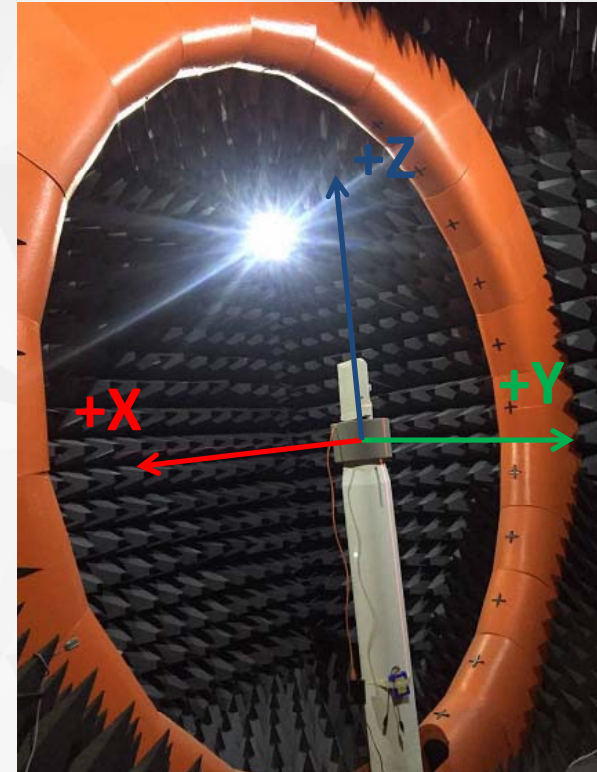
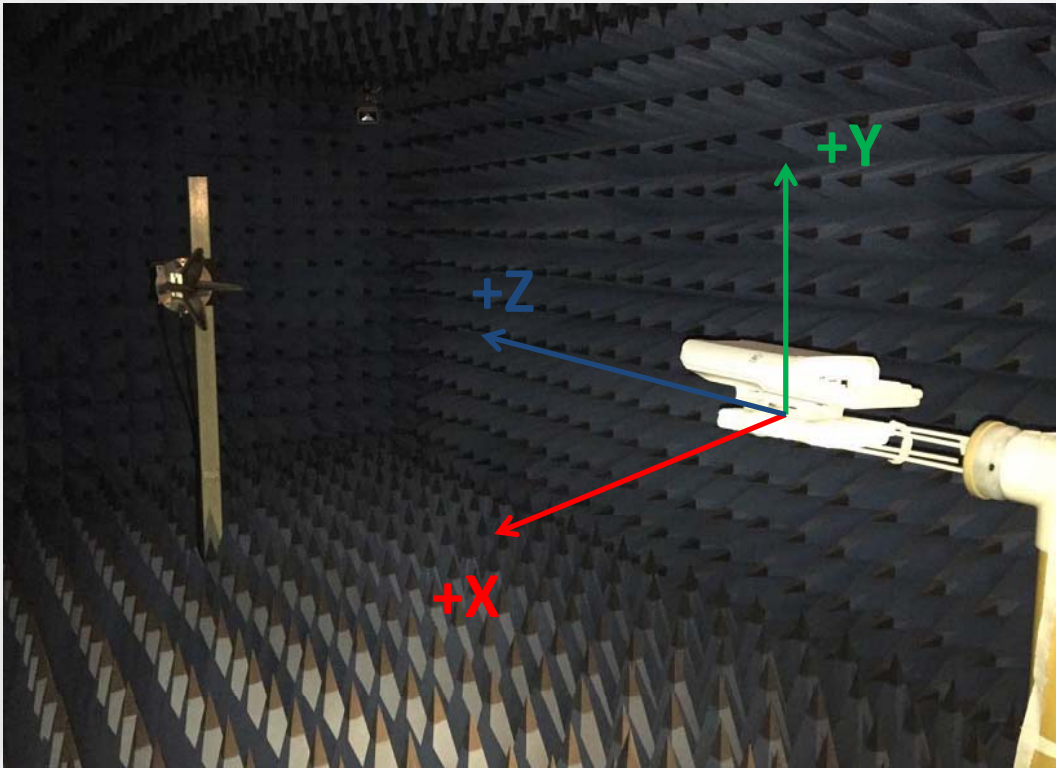


Combined-Axes System



Distributed-Axes System

Shielding Anechoic Chamber

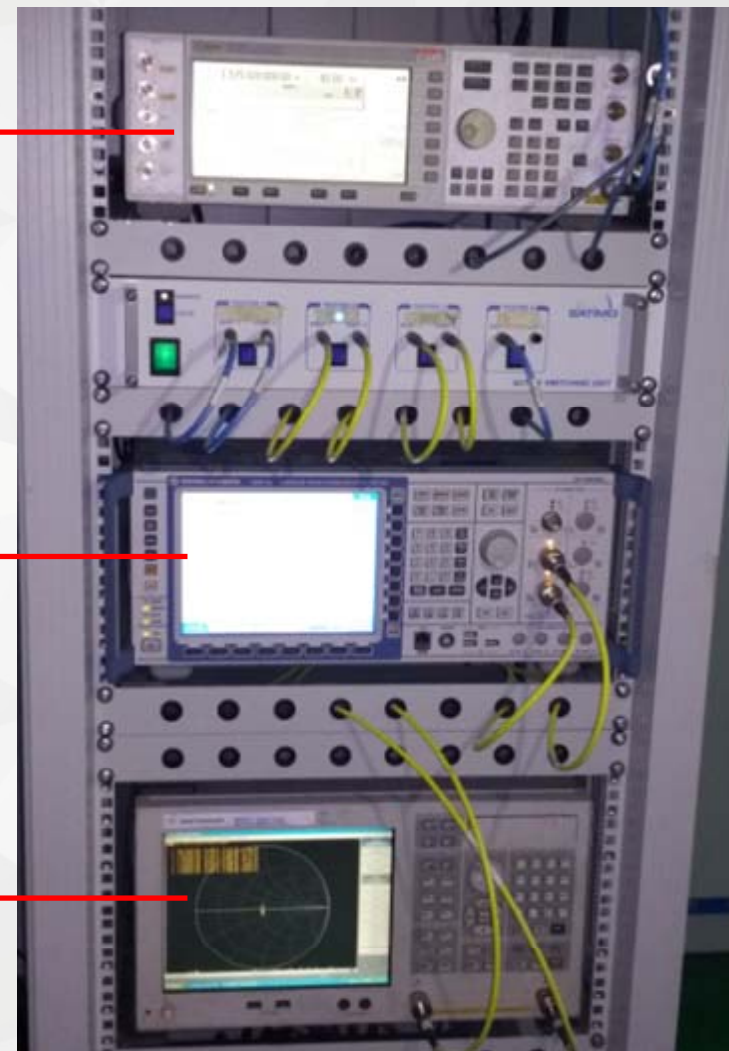


Test Instrument

Generator	Agilent E4438C
Test Item	GPS

Radio Communication Tester	R&S CMW500
Test Item	Active Test

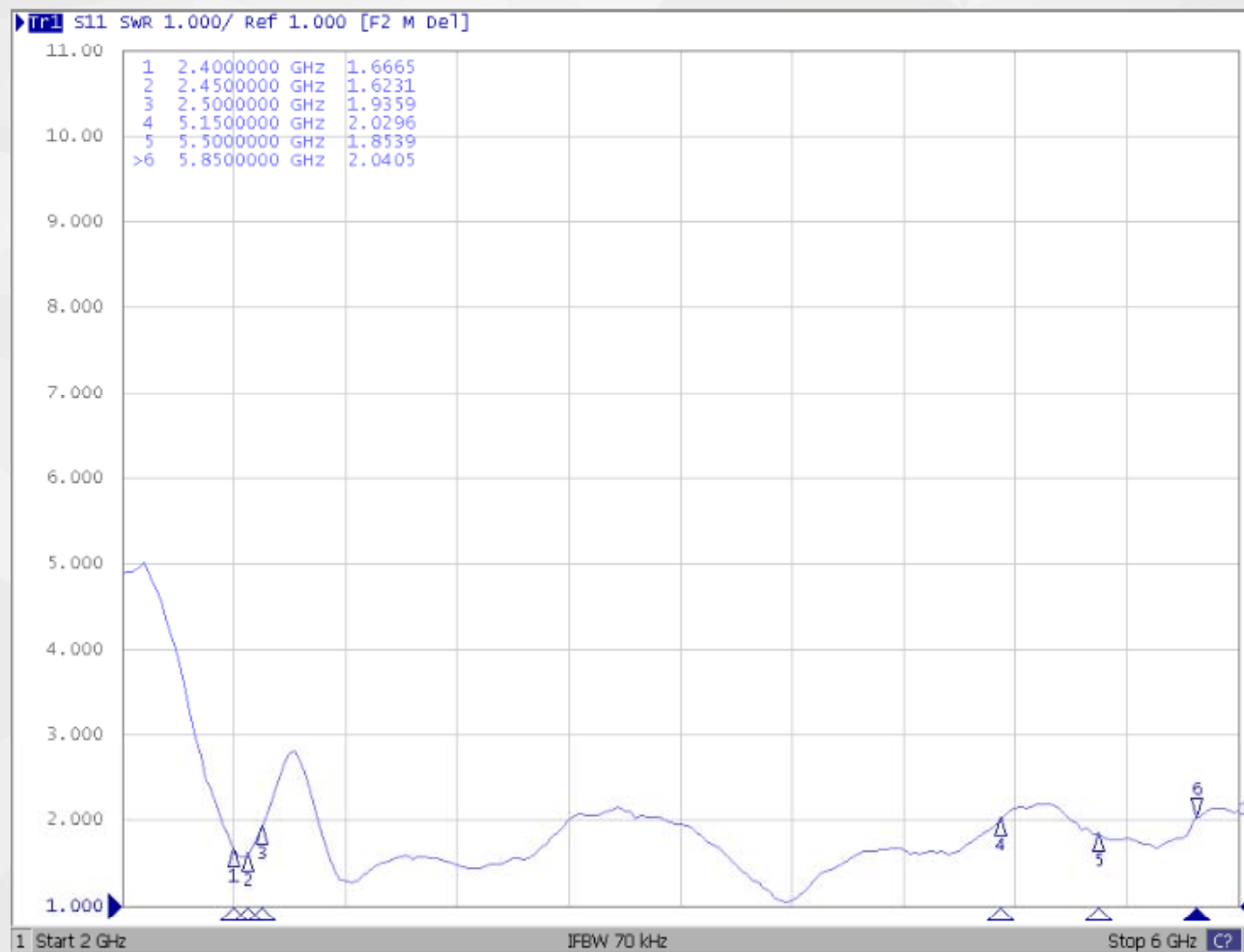
Network Analyzer	Agilent E5071C
Test Item	Passive Test



Antenna Sample Description

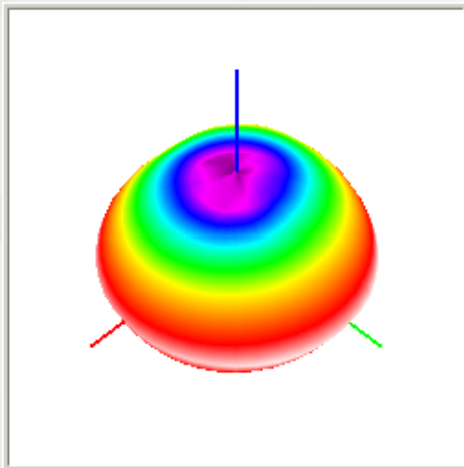


VSWR Picture

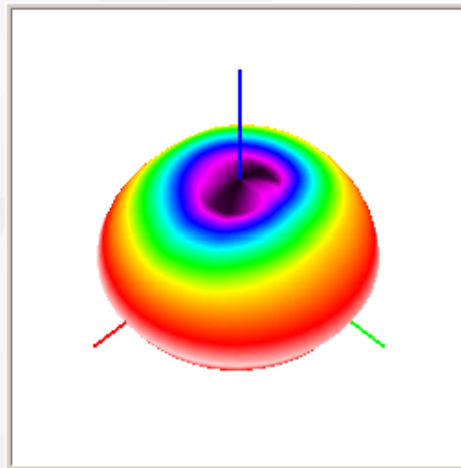


Test Result

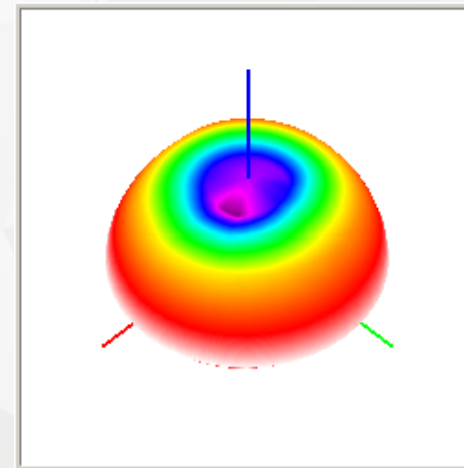
Frequency(GHz)	2.4	2.45	2.5
VSWR	1.6	1.6	1.9
Gain(dBi)	5.38	5.16	4.66



2.4GHz



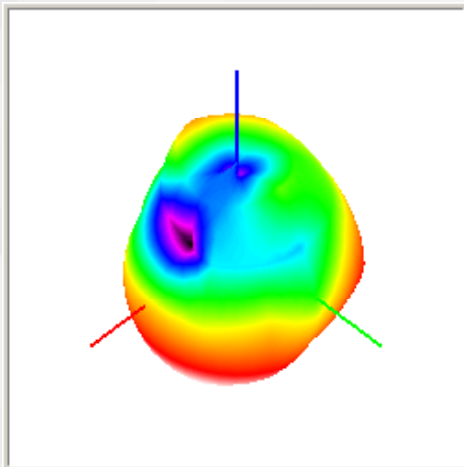
2.45GHz



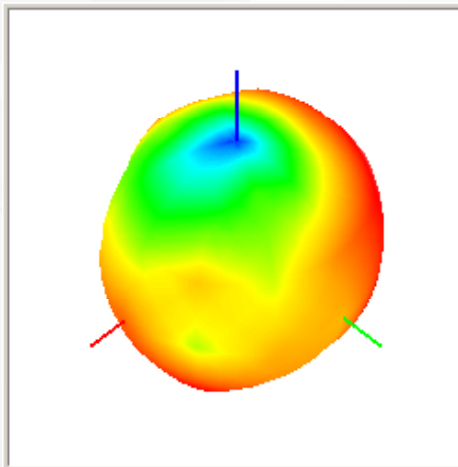
2.5GHz

Test Result

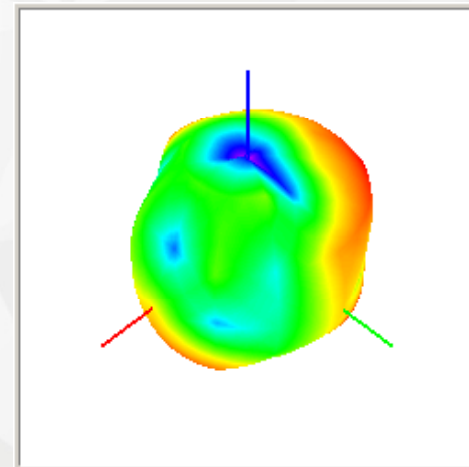
Frequency(GHz)	5.15	5.5	5.85
VSWR	2.0	1.8	2.0
Gain(dBi)	4.48	5.05	4.54



5.15GHz



5.5GHz



5.85GHz