烽火通信天线类

物　料　规　格　书

SPECIFICATION FOR APPROVAL

天线型号

Antenna　P/N: XDA0930DBB01C

天线丝印

Antenna　Printing: XUNDA201C00150A

天线描述

Antenna　Description: 2.4G&5.8G 3dBi 125mm

使用机型

Model　NO: SR1021F&FS

版本

Revison: R_B

制定日期

Date: 2022-09-22

制订 Prepared	审核 Checked	核准 Approved	烽火验收 Accepted
黄惠欣	张勋	段伟	

Contents

Version	Date	Description	Author
RA	2022.08.26	New Release	黄惠欣
RB	2022.09.22	更改线长及颜色	黄惠欣

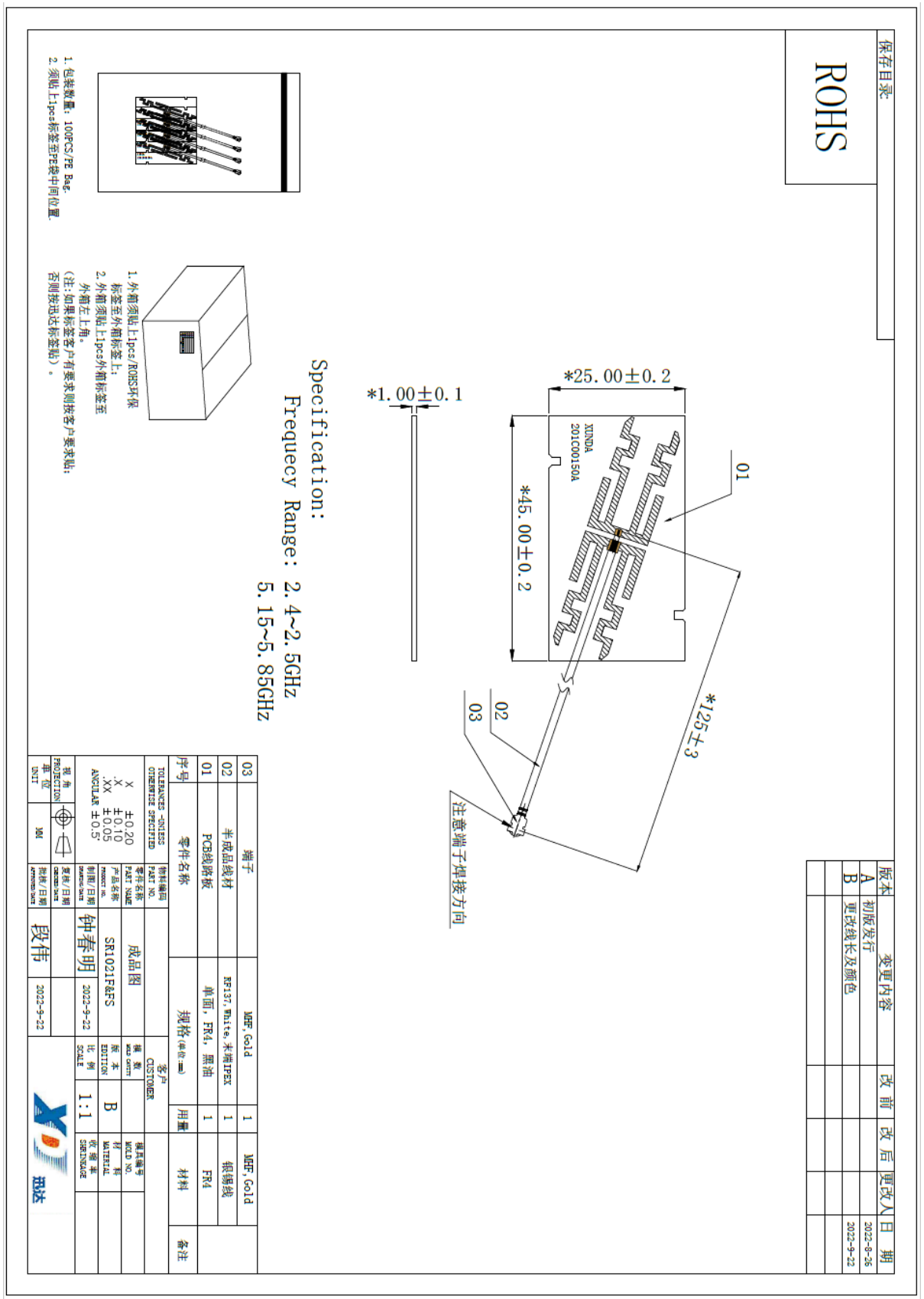
目录

一、天线电性能 Electrical Performance

WIFI

主要技术指标		Main technical specifications	
频率范围（MHZ）	2400~2500 5150~5850	Frequency Range (MHZ)	2400~2500 5150~5850
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	3±1.0	Peak Gain(dBi)	3±1.0
输出电压驻波比	≦2.0	VSWR	≦2.0
极化方式	垂直极化	Polarization	Linear,Vertical
方向性	全向性	Radiation	Omni-directional

二、天线图纸 **Dimensions**



备注：

外置天线要求：

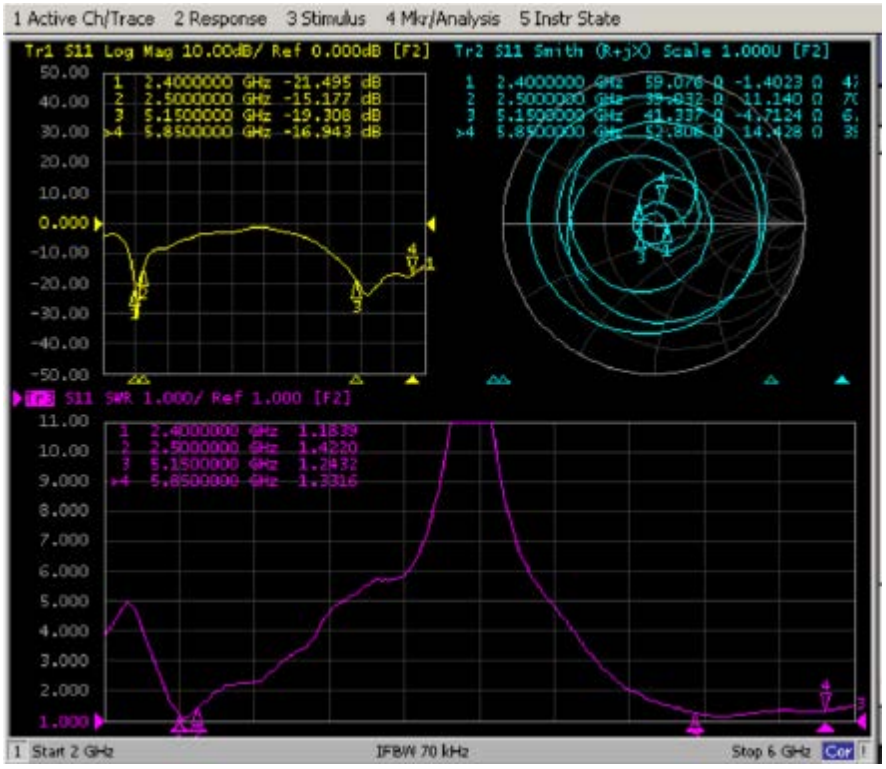
外置天线	材质	色号	纹理
杆套	ABS	烽火暖白（FH-P-203）	YS20046C
转轴	PC	烽火暖白（FH-P-203）	YS20046C
铆钉	POM	烽火暖白（FH-P-203）	YS20046C

1，天线图纸中的各结构部件须包含材质、色号、纹理等信息；
2，天线图纸需经过烽火 UED 审核；
3，天线塑壳需经过烽火 UED 封样后方可量产；
4，使用原材料需提供明确厂家牌号，更换牌号需重新报备并测试通过后方可使用。
5，特殊原因需变更部件材质时，需报备并测试通过后方可使用。

三、天线与整机实物 Details（包含天线本体、天线与整机相对位置等）

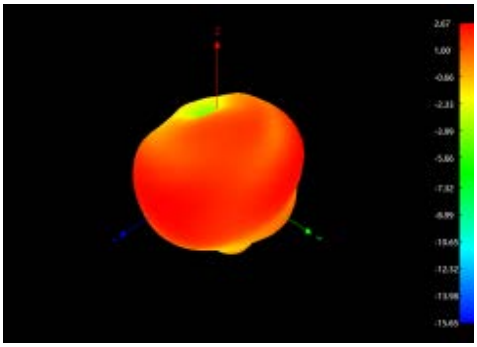
四、测试报告 Test Report

3.1：S11、S21 参数

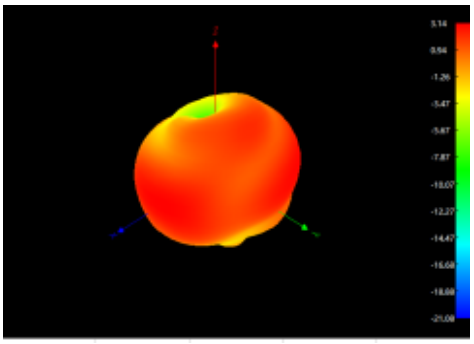


3.2：3D、2D Raditation Pattern

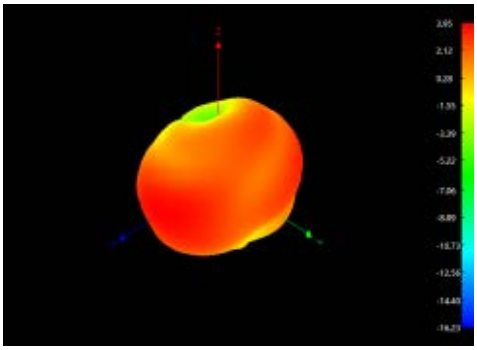
频点	增益	效率
2400	2.67dBi	70.15%
2450	3.14dBi	71.29%
2500	3.95dBi	65.16%
5150	3.26dBi	70.31%
5350	3.20dBi	71.22%
5750	3.26dBi	68.27%
5850	3.75dBi	69.31%



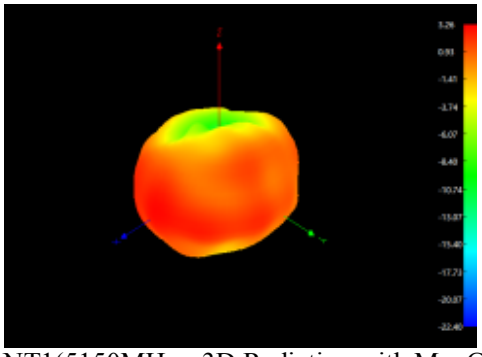
ANT1(2400MHz - 3D Radiation with MaxGain)



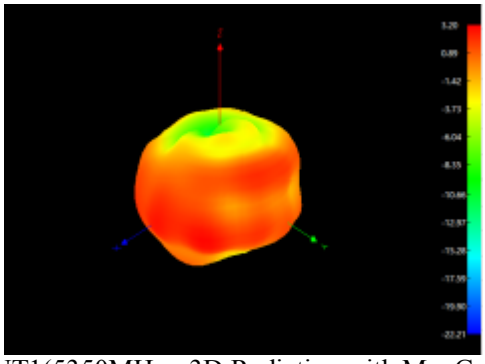
ANT1(2450MHz - 3D Radiation with MaxGain)



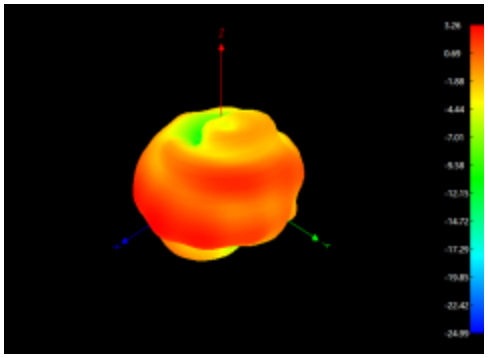
ANT1(2500MHz - 3D Radiation with MaxGain)



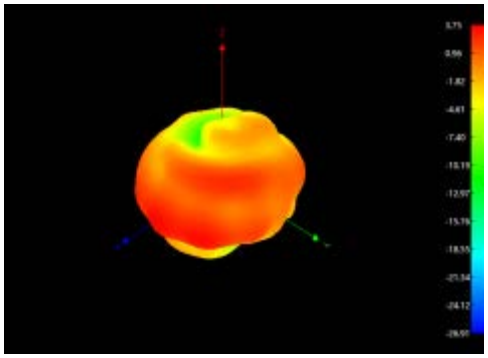
ANT1(5150MHz - 3D Radiation with MaxGain)



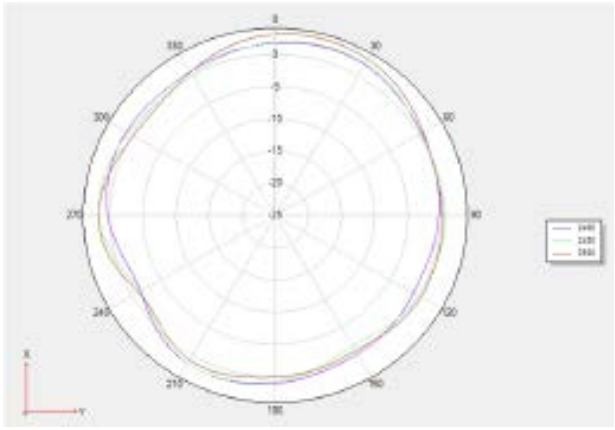
ANT1(5350MHz - 3D Radiation with MaxGain)



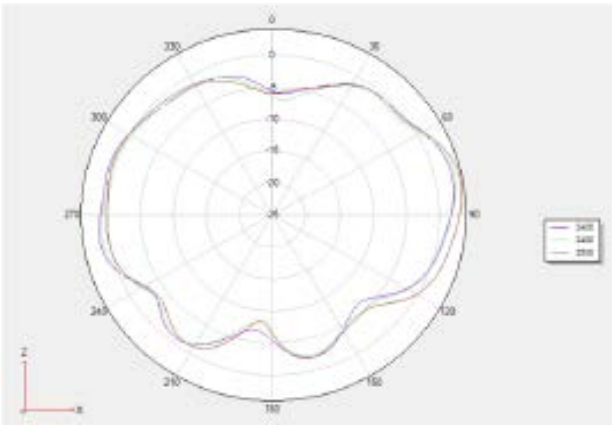
ANT1(5750MHz - 3D Radiation with MaxGain)



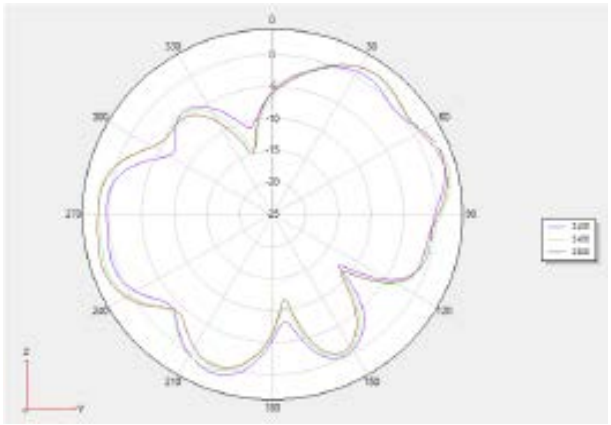
ANT1(5850MHz - 3D Radiation with MaxGain)



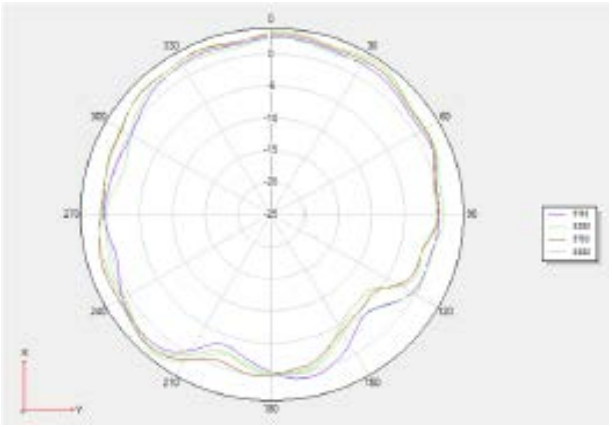
2400MHz\2450MHz\2500MHz XOY(H Face) Gain Icon



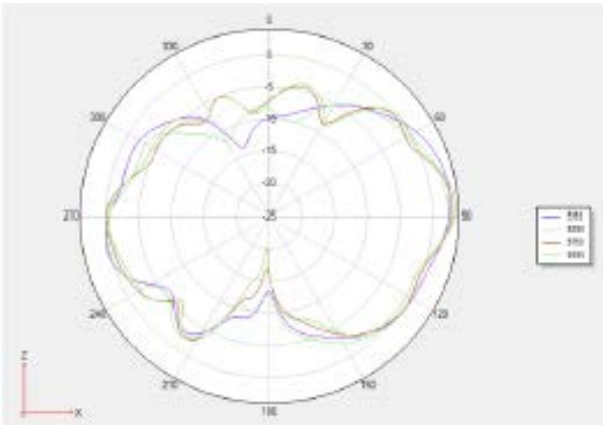
2400MHz\2450MHz\2500MHz XOZ(E1 Face) Gain Icon



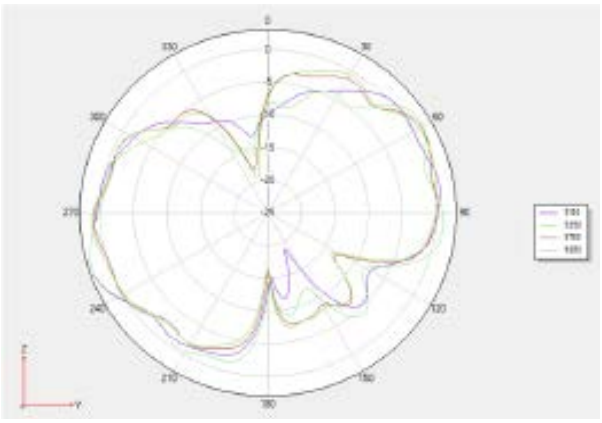
2400MHz\2450MHz\2500MHz YOZ(E2 Face) Gain Icon



5150MHz\5500MHz\5850MHz XOY(H Face) Gain Icon



5150MHz\5500MHz\5850MHz XOZ(E1 Face) Gain Icon



5150MHz\5500MHz\5850MHz YOZ(E2 Face) Gain Icon