东莞市亿瑞电子科技有限公司

Dongguan Yirui Electronic Technology Co., Ltd

承　认　书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4G PCB board with built-in antenna L=40mm +terminal (1.13 black wire) BS1C50P3D54A

客 户 料 号

CUSTOMER P/N: ETGH230U000A2-YRD

亿瑞 料号

YR P/N: BS1C50P3D54A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2022/7/07	

地址：东莞市塘厦镇田心社区丰达工业区丰达路 7 栋 13 号二楼
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电话：0769－82016588
Phone: 0769-82016588
传真：0769－82011600
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1规格表Specification table:

产品主要技术参数
Main technical parameters of the product

主要技术指标		Main technical specifications	
频率范围（MHZ）	2400~2500	Frequency Range (MHZ)	2400~2500
特性阻抗(Ω)	50±10	Impedance(Ω)	50±10
峰值增益(dBi)	2.84	Peak Gain(dBi)	2.84
输出电压驻波比	≤1.92	VSWR	≤1.92
最大功率	1W	Admitted Power	1W
极化方式	线极化	Polarization	Line,Vertical
连接方式	同轴线+端子	Connector Type	RF Cable+terminal
物理性能		Physical Properties	
天线本体材料	PCB	Antenna Base	PCB
工作温度	-50℃~+80℃	Operating Temp	-50℃~+80℃
保存温度	-50℃~+80℃	Storage Temp	-50℃~+80℃

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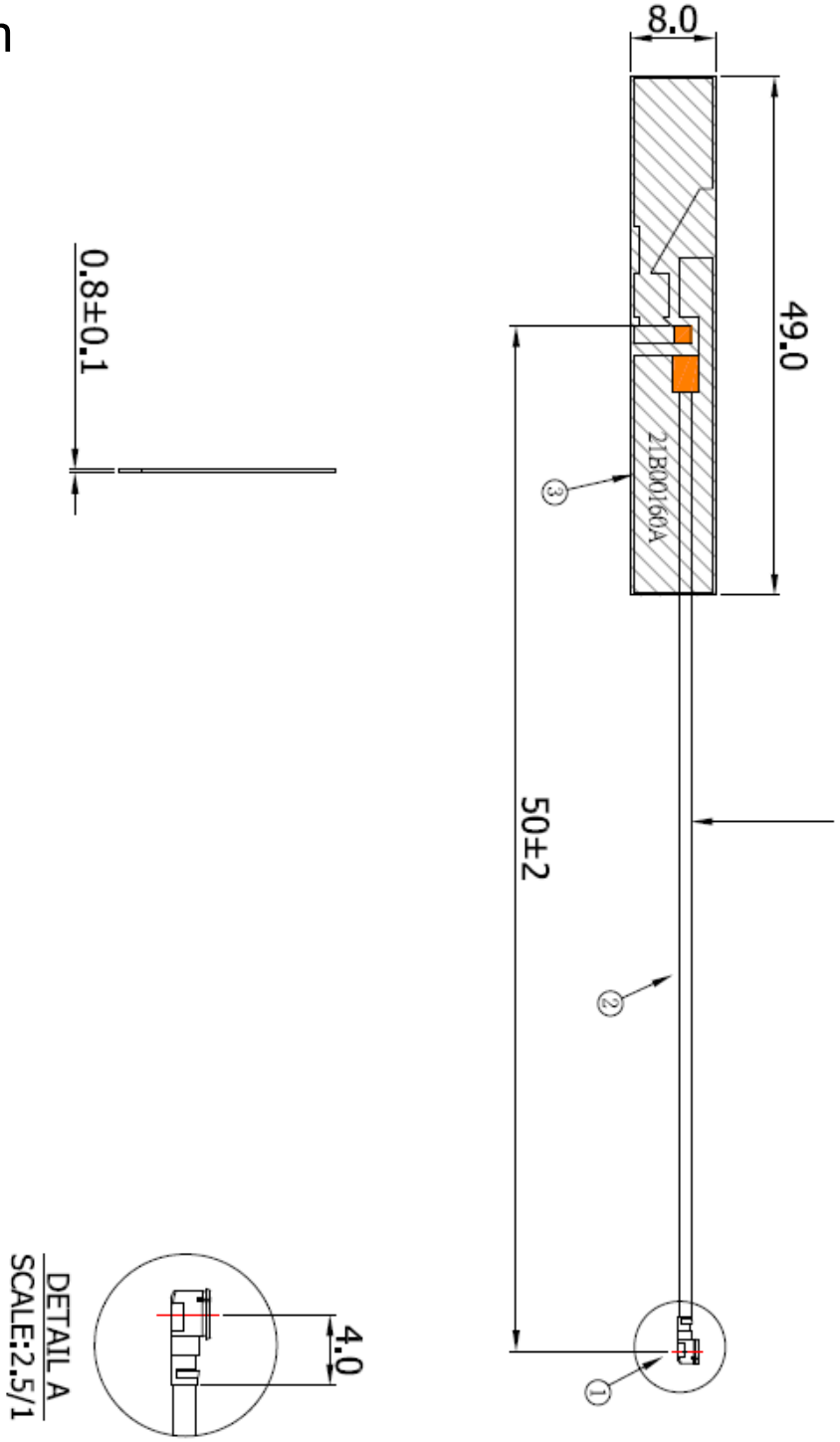
2.成品图Finished product drawing:

unit: mm



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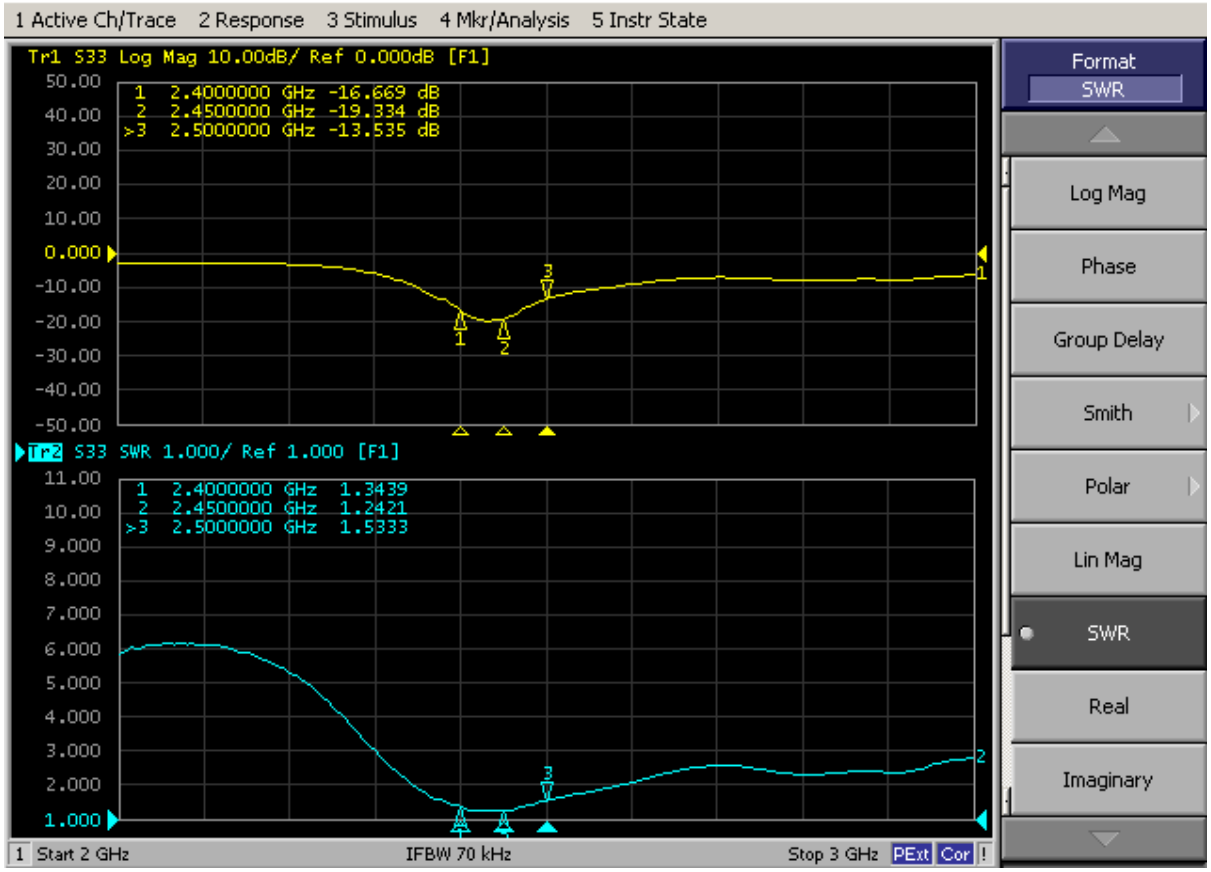
3. 测试报告Test report

3.1：网络分析仪测试报告Network analyzer test report



3.2：暗室Darkroom 2D、3DRaditation Pattern(整机数据Whole machine data)

3.2.1 效率及增益 Efficiency and gain

Frequency (MHz)	Efficiency (%)	Peak Gain / dB
2400	65.34	2.69
2450	66.27	2.76
2500	66.71	2.84

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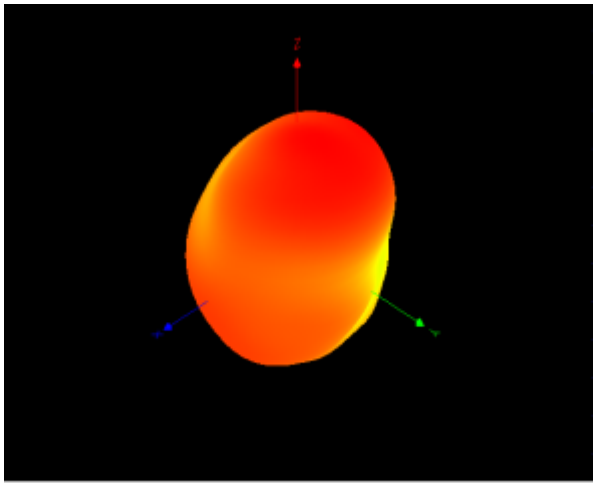
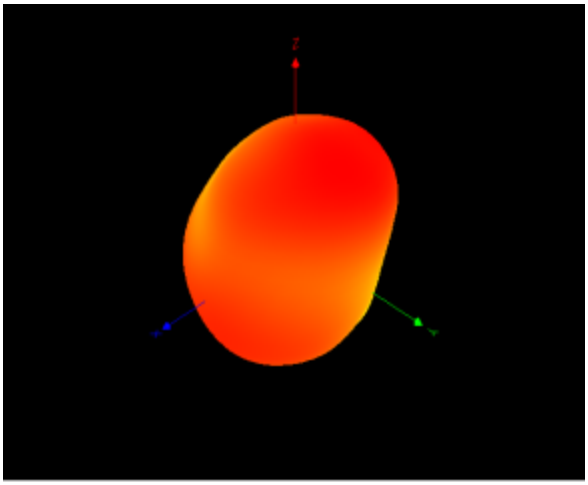
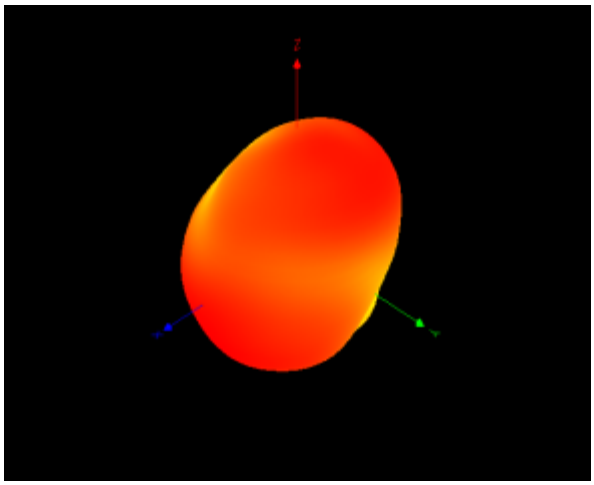
3.2.2 2D/3D 场型图Field plot



2400MHz



2450MHz



2500MHz

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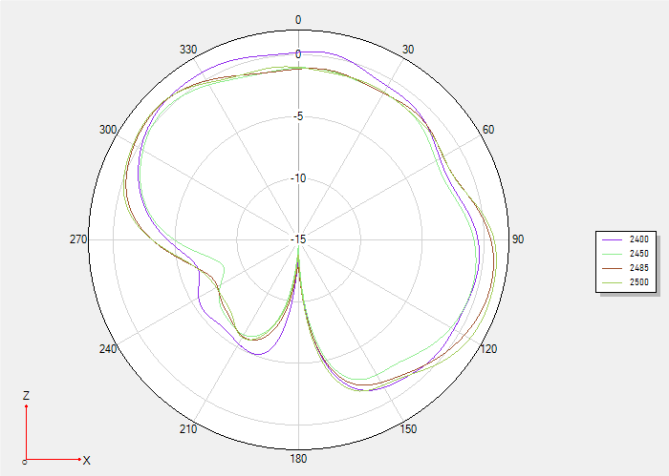
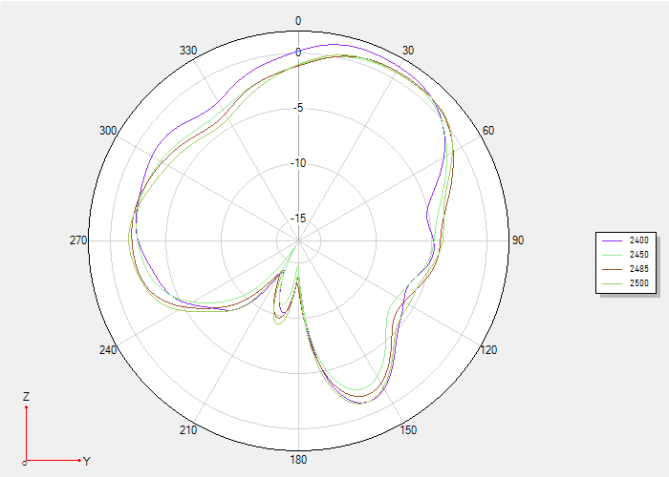
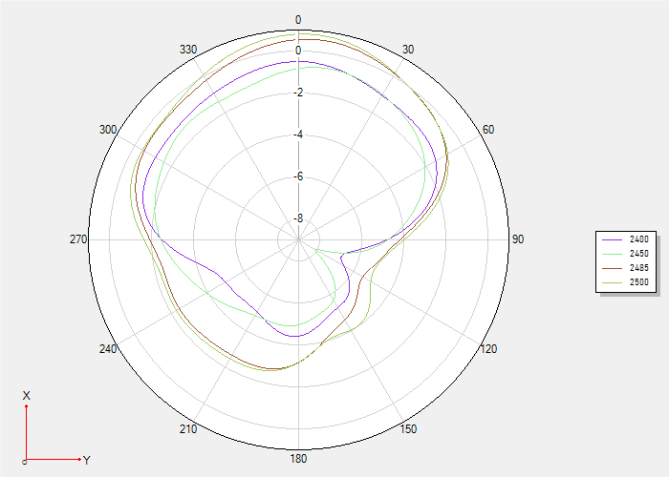


Phi 0 2D



Phi 90 2D



Theta 90 2D

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