



公司地址：东莞市塘厦镇清湖头三坑工业区1号 电话：0769-38940168 传真：0769-39010966 网址：http://rflink.net.cn

东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4G Internal antenna exposed L=115mm+ terminal

客 户 料 号

CUSTOMER P/N: VTAPS2401-0019

仁 丰 料 号:

Ren Feng P/N: U00T02S000N07158 REV: B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:		



东莞市仁丰电子科技有限公司

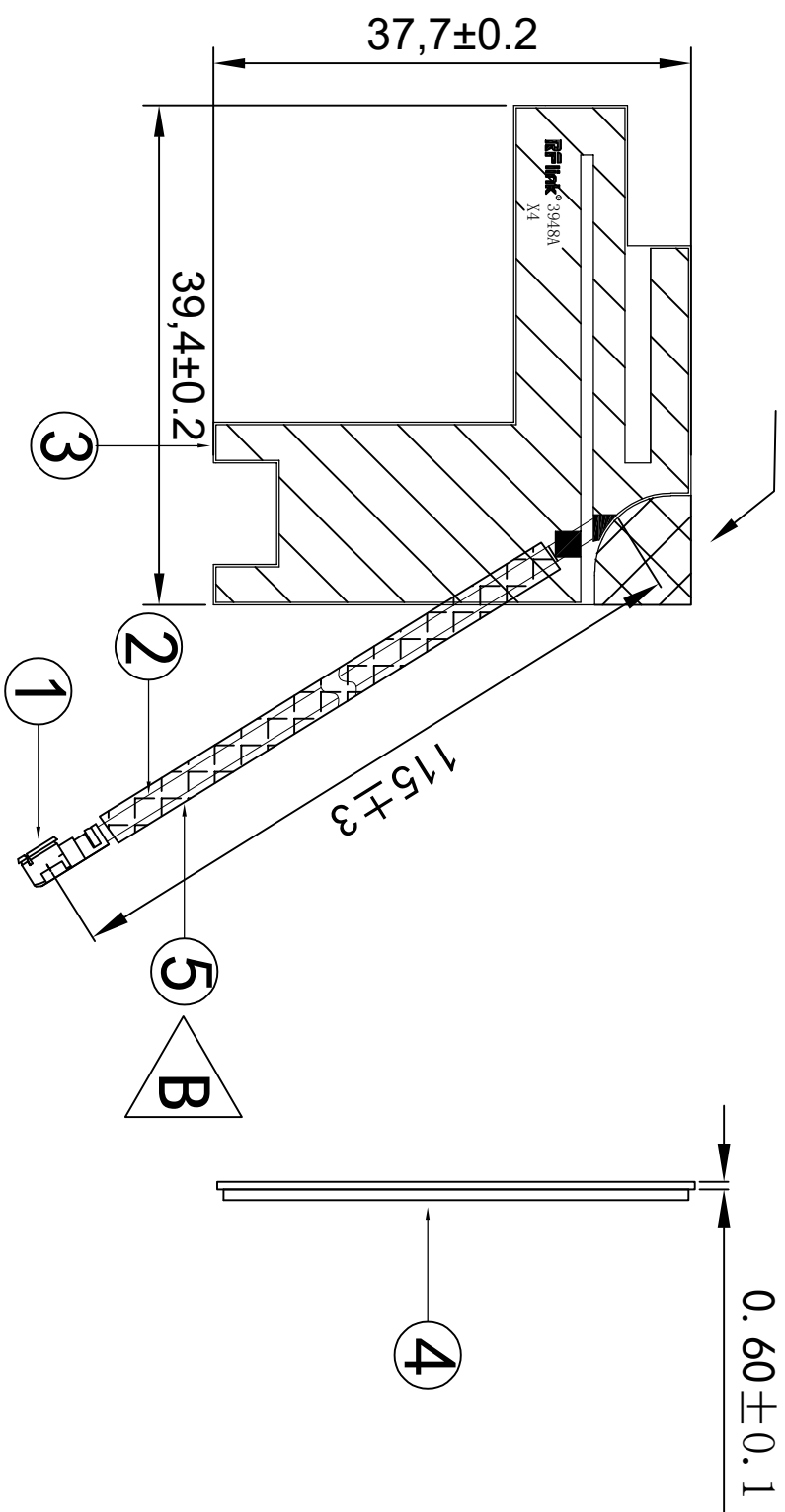
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Specification sheet:

Product main technical parameters

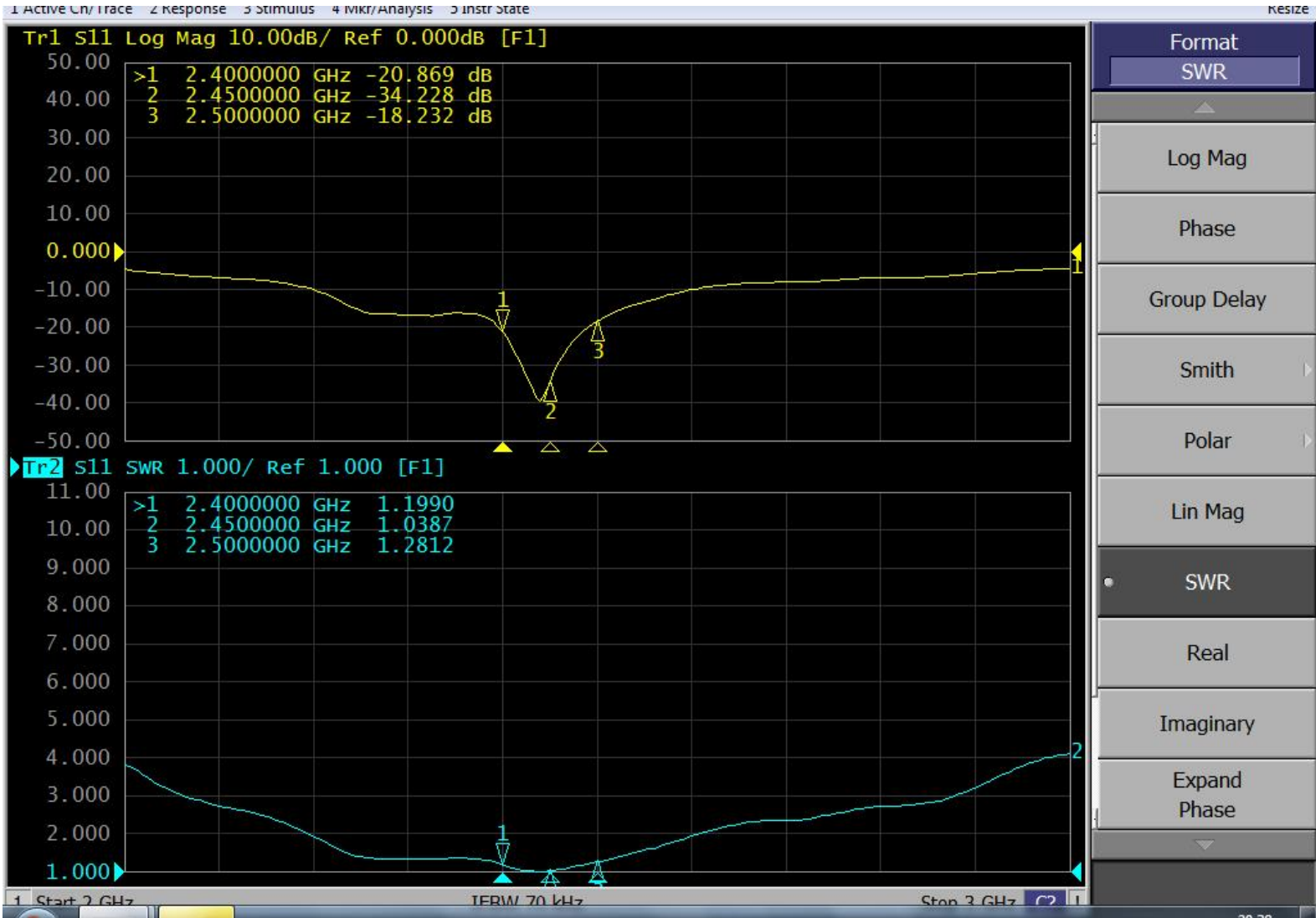
主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	2.78	Peak Gain(dBi)	2.78
输出电压 驻波比	≤ 2.0	VSWR	≤ 2.0
连接方式	端子	Connector Type	MHF Plug
物理性能		Physical Properties	
天线外套材料	FR4	Antenna cover	FR4
工作温度	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$	Operating Temp	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
保存温度	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$	Storage Temp	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$



规格Specification:
频率Frequency Range: 2.4-2.5GHz

无源S11 (Passive S11)

◆ 无源S11 (Passive S11)



Frequency (MHz)	2400	2450	2500
return loss	-20.86	-34.22	-18.23
VSWR	1.19	1.03	1.28

无源效率、增益测试 (Passive efficiency and gain test)

◆ 无源效率、增益测试 (Passive efficiency and gain test)

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	52.12	2.45
2410	51.52	2.42
2420	52.48	2.39
2430	53.21	2.34
2440	54.83	2.42
2450	56.62	2.62
2460	56.62	2.7
2470	56.23	2.76
2480	55.98	2.78
2490	55.34	2.76
2500	54.7	2.76

驻波比、回波损耗测试（VSWR and Return loss test）

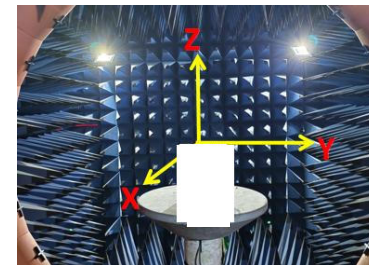
◆ VSWR、Return loss （Passive efficiency and gain test）

Frequency / MHz	Return loss	VSWR
2400	-20.86	1.19
2450	-34.22	1.03
2500	-18.23	1.28

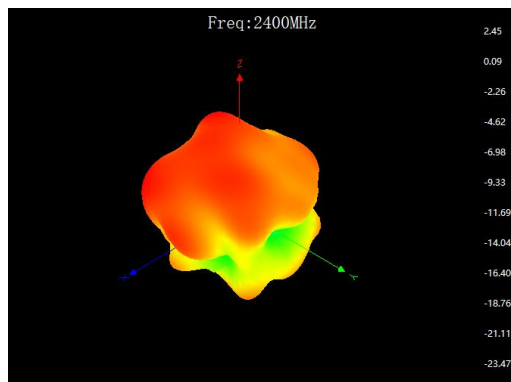
辐射方向图 (Radiation pattern)

◆ 辐射方向图 (Radiation pattern)

X轴: 上下 (up and down)
Y轴: 前后 (front and back)
Z轴: 左右 (left and right)

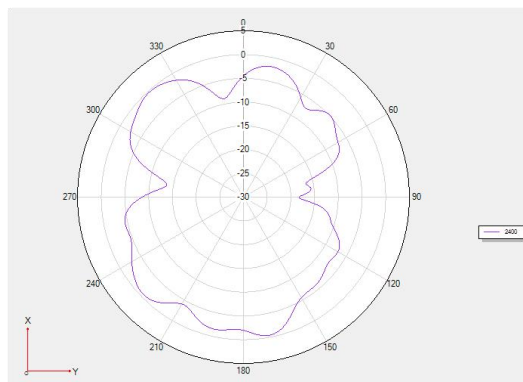


3D

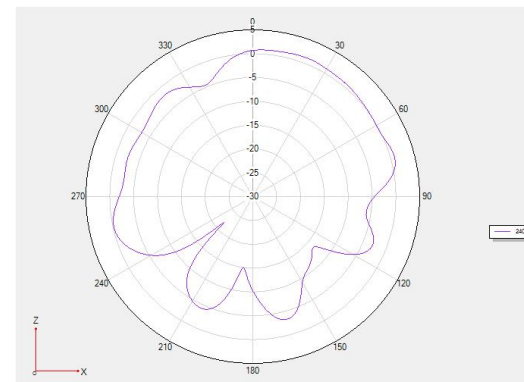


2400MHz

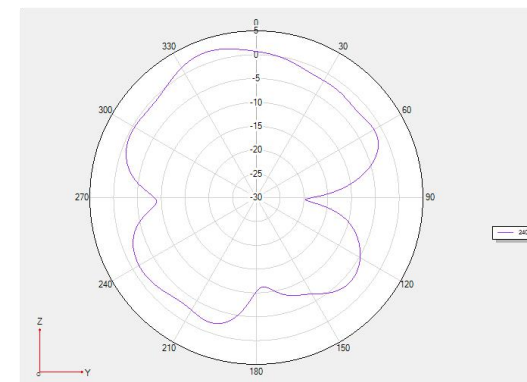
XY



ZX



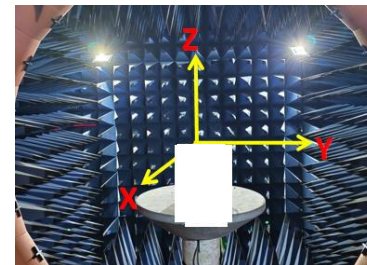
ZY



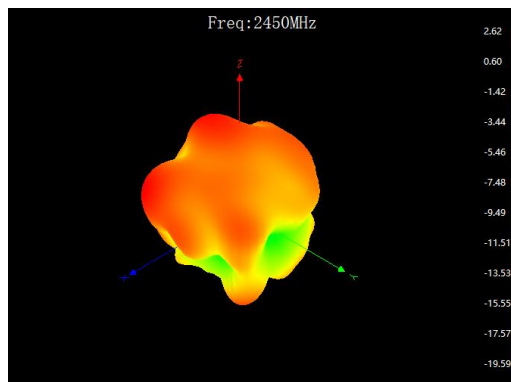
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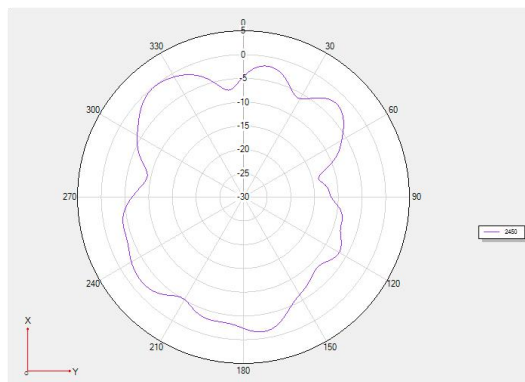


3D



2450MHz

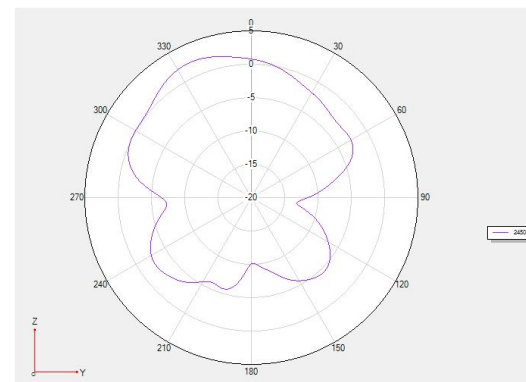
XY



ZX



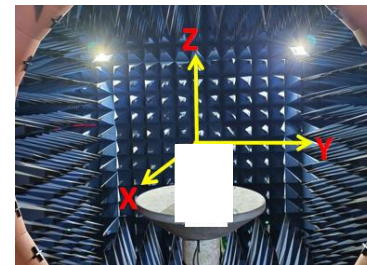
ZY



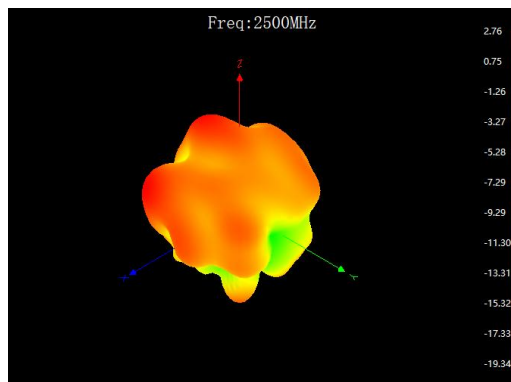
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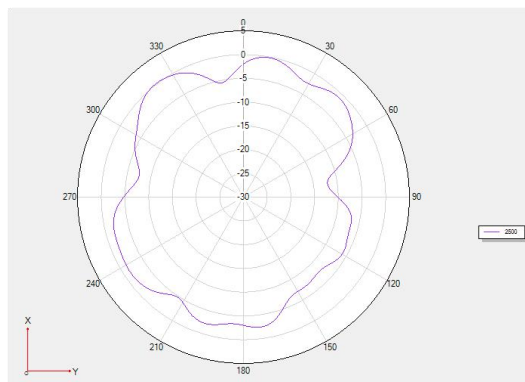


3D

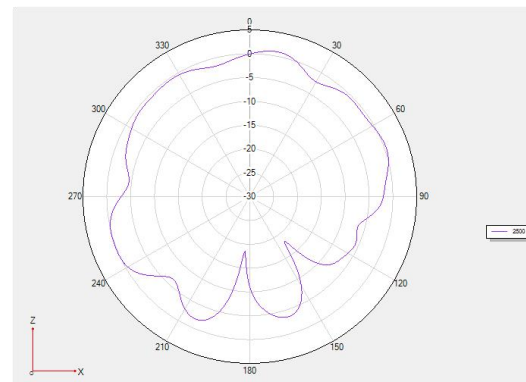


2500MHz

XY



ZX



ZY

