

深圳市鹏明德科技有限公司

ShenZhen Pengmingde Technology Co.,Ltd

承 认 书

SPECIFICATION FOR APPROVAL

客 户
CUSTOMER

深圳市启程星科技有限公司

日 期
D A T E

2023 年 5 月 2 日

版 本
VERSION

A/0

客户承认:

确 认 ORGANIZER	审 核 CHECK	批 准 APPROVAL

深圳市鹏明德科技有限公司

ShenZhen Pengmingde Technology Co.,Ltd

制 定 ORGANIZER	审 核 CHECK	核 准 APPROVAL
陈文意	李双德	李明浩

深圳市鹏明德科技有限公司	
ShenZhen Pengmingde Technology Co.,Ltd	

产品主要技术参数

主要技术参数		Main technical specifications	
频率范围（MHZ）	2400-2483	Frequency Range(MHZ)	2400-2483
中心频率	50±10	Impedance(Ω)	50±10
特性阻抗（Ω）			
增益（dBi）	3.19	Gain(dBi)	3.19
反射损耗	≤-10	ReTurnLoss(dB)	≤-10
输出电压驻波比	≤1.92	VSWR	≤1.92
最大功率	1W	Admitted Power	1W
极化方式	垂直极化	Polarization	Linear Vertical
连接方式	IPEX	Connector Type	Weld
物理特性		Physical Properties	
天线本体材料	铜	Antenna Base	copper
工作温度	-20℃-+60℃	Operating Temp	-20℃-+60℃
保存温度	-20℃-+70℃	Storage Temp	-20℃-+70℃

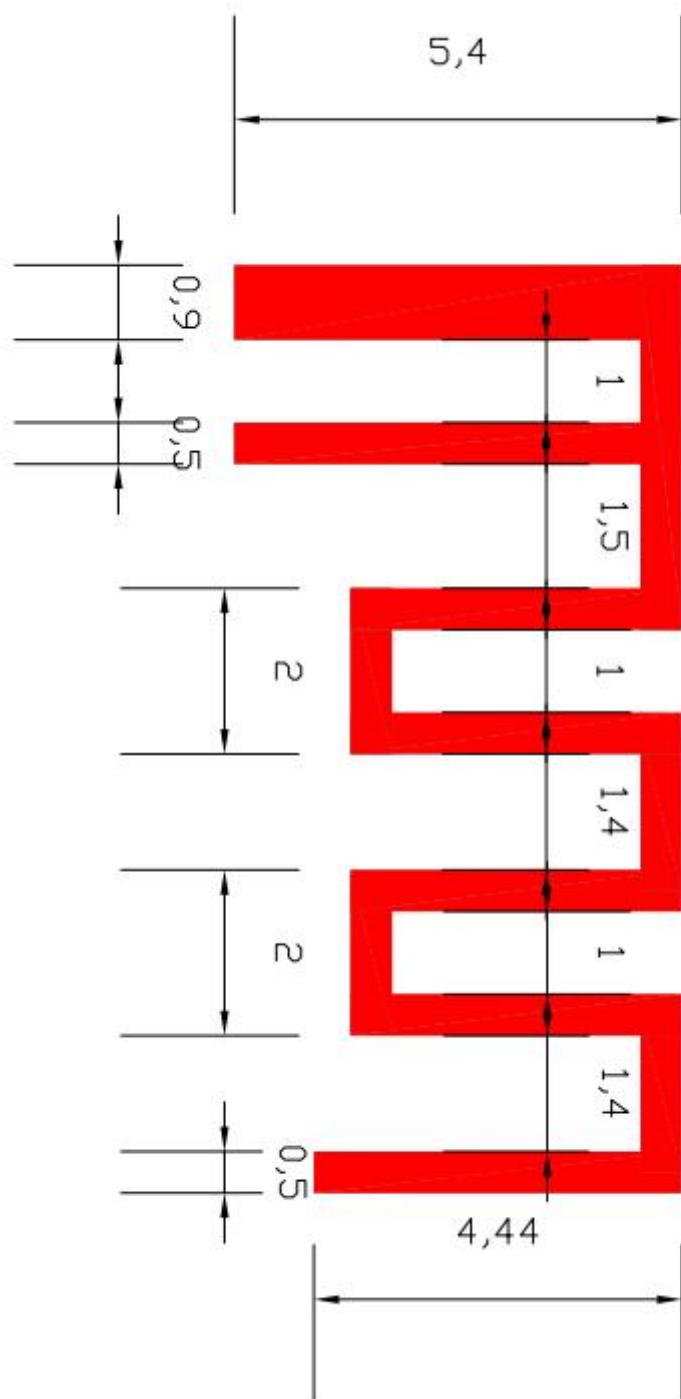
原材料清单：

组件编号	组件名称	原料主要材质	使用数量	单位	备注
1	铜	铜	1	PCS	

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单位: MM

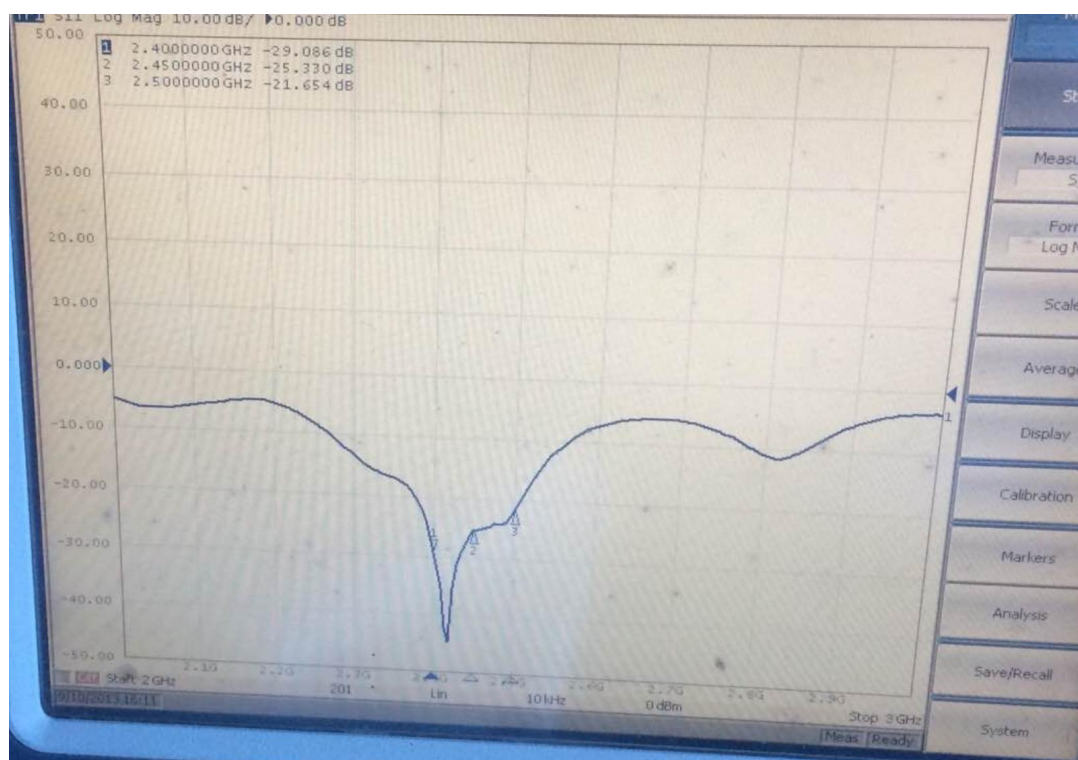
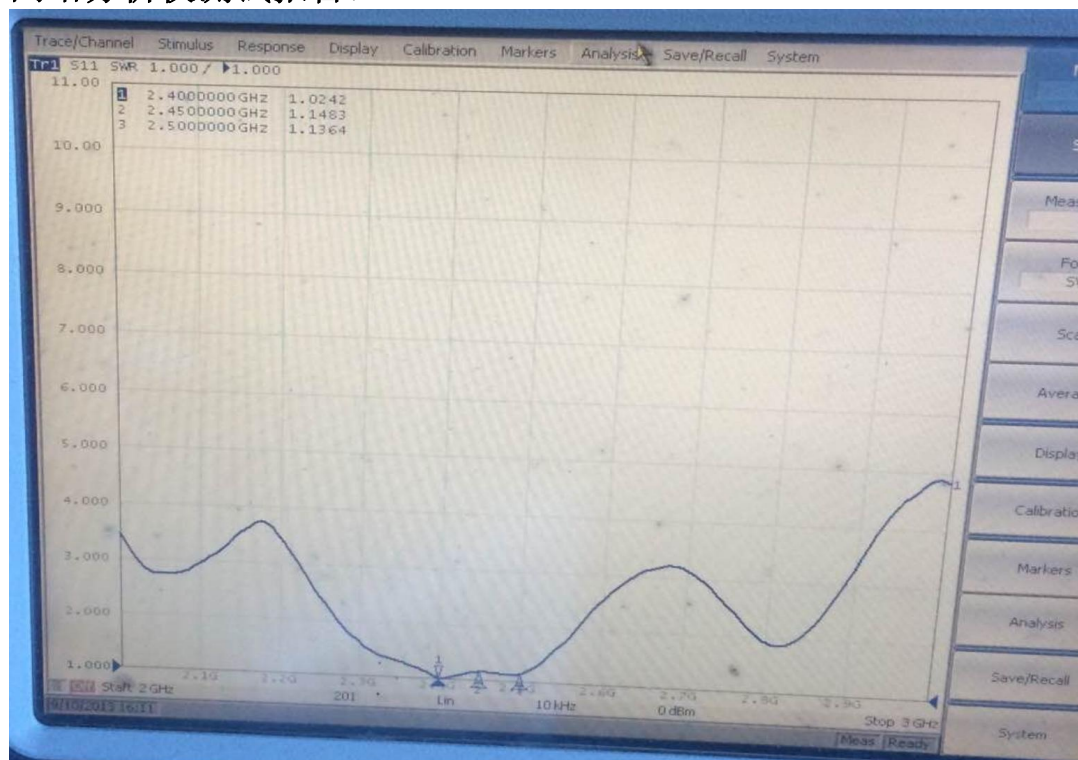


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产品主要技术参数

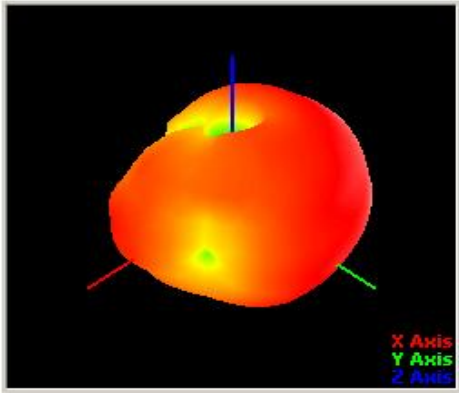
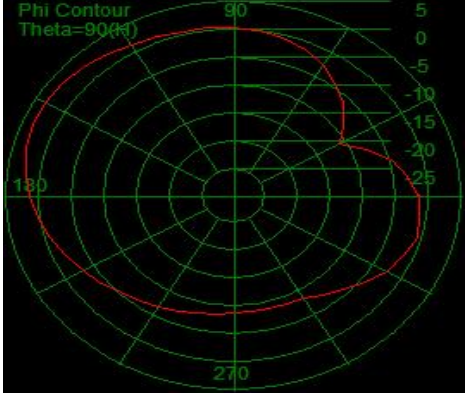
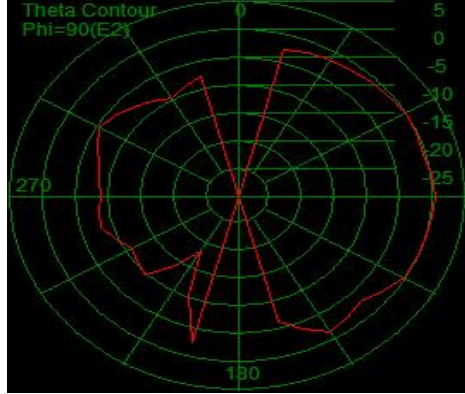
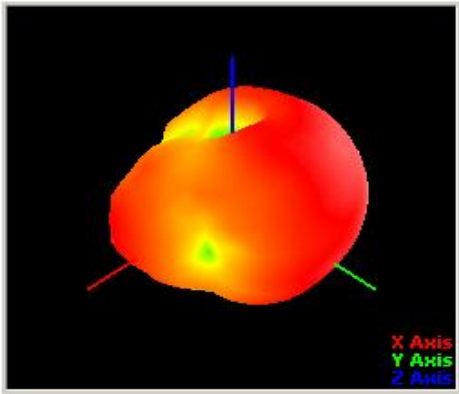
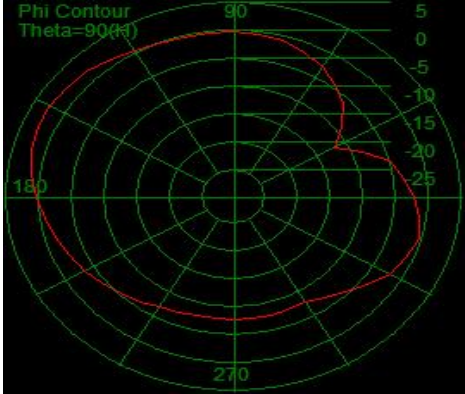
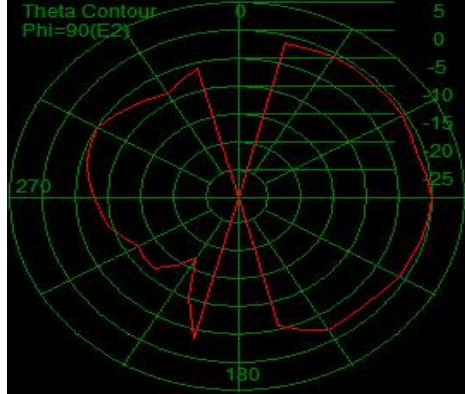
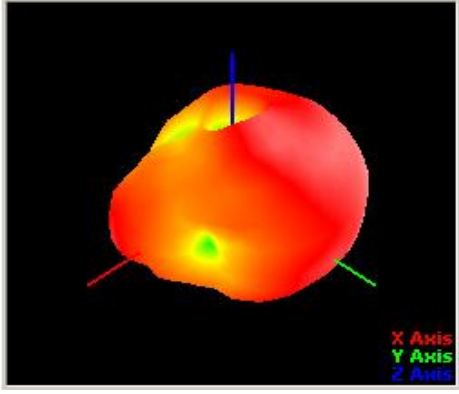
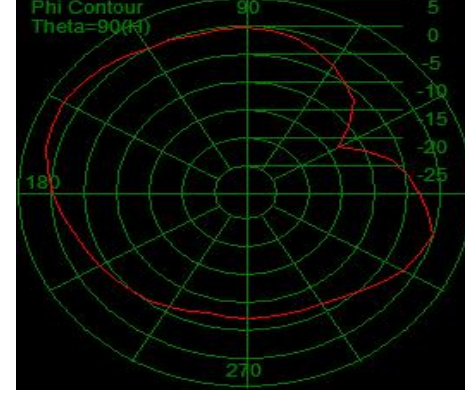
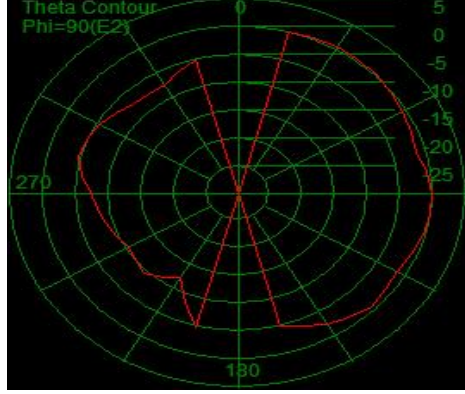
网络分析仪测试报告:



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2D、3DRaditation Pattern

 A 3D surface plot of the radiation pattern at 2.4G. The plot shows a main lobe pointing upwards along the Z-axis, with a color gradient from red (high intensity) to yellow and green. The X, Y, and Z axes are labeled in red, green, and blue respectively.	 A 2D polar plot titled 'Phi Contour Theta=90(φ)' showing the radiation pattern in the XZ-plane. The radial scale represents gain in dBi, ranging from -25 to 5. The angular scale represents Phi in degrees, from 0 to 360. The main lobe is centered at 0 degrees.	 A 2D polar plot titled 'Theta Contour Phi=90(θ)' showing the radiation pattern in the YZ-plane. The radial scale represents gain in dBi, ranging from -25 to 5. The angular scale represents Theta in degrees, from 0 to 360. The main lobe is centered at 0 degrees.
2.4G	Gain(Peak):3.07dBi	Efficiency:52.9%
 A 3D surface plot of the radiation pattern at 2.45G. The plot shows a main lobe pointing upwards along the Z-axis, with a color gradient from red (high intensity) to yellow and green. The X, Y, and Z axes are labeled in red, green, and blue respectively.	 A 2D polar plot titled 'Phi Contour Theta=90(φ)' showing the radiation pattern in the XZ-plane. The radial scale represents gain in dBi, ranging from -25 to 5. The angular scale represents Phi in degrees, from 0 to 360. The main lobe is centered at 0 degrees.	 A 2D polar plot titled 'Theta Contour Phi=90(θ)' showing the radiation pattern in the YZ-plane. The radial scale represents gain in dBi, ranging from -25 to 5. The angular scale represents Theta in degrees, from 0 to 360. The main lobe is centered at 0 degrees.
2.45G	Gain(Peak):3.19dBi	Efficiency:54.9%
 A 3D surface plot of the radiation pattern at 2.5G. The plot shows a main lobe pointing upwards along the Z-axis, with a color gradient from red (high intensity) to yellow and green. The X, Y, and Z axes are labeled in red, green, and blue respectively.	 A 2D polar plot titled 'Phi Contour Theta=90(φ)' showing the radiation pattern in the XZ-plane. The radial scale represents gain in dBi, ranging from -25 to 5. The angular scale represents Phi in degrees, from 0 to 360. The main lobe is centered at 0 degrees.	 A 2D polar plot titled 'Theta Contour Phi=90(θ)' showing the radiation pattern in the YZ-plane. The radial scale represents gain in dBi, ranging from -25 to 5. The angular scale represents Theta in degrees, from 0 to 360. The main lobe is centered at 0 degrees.
2.5G	Gain(Peak):2.81dBi	Efficiency:50.8%