



东莞市顶益通讯科技有限公司
Dong-guan TopGain Communication Technology Co.,Ltd.

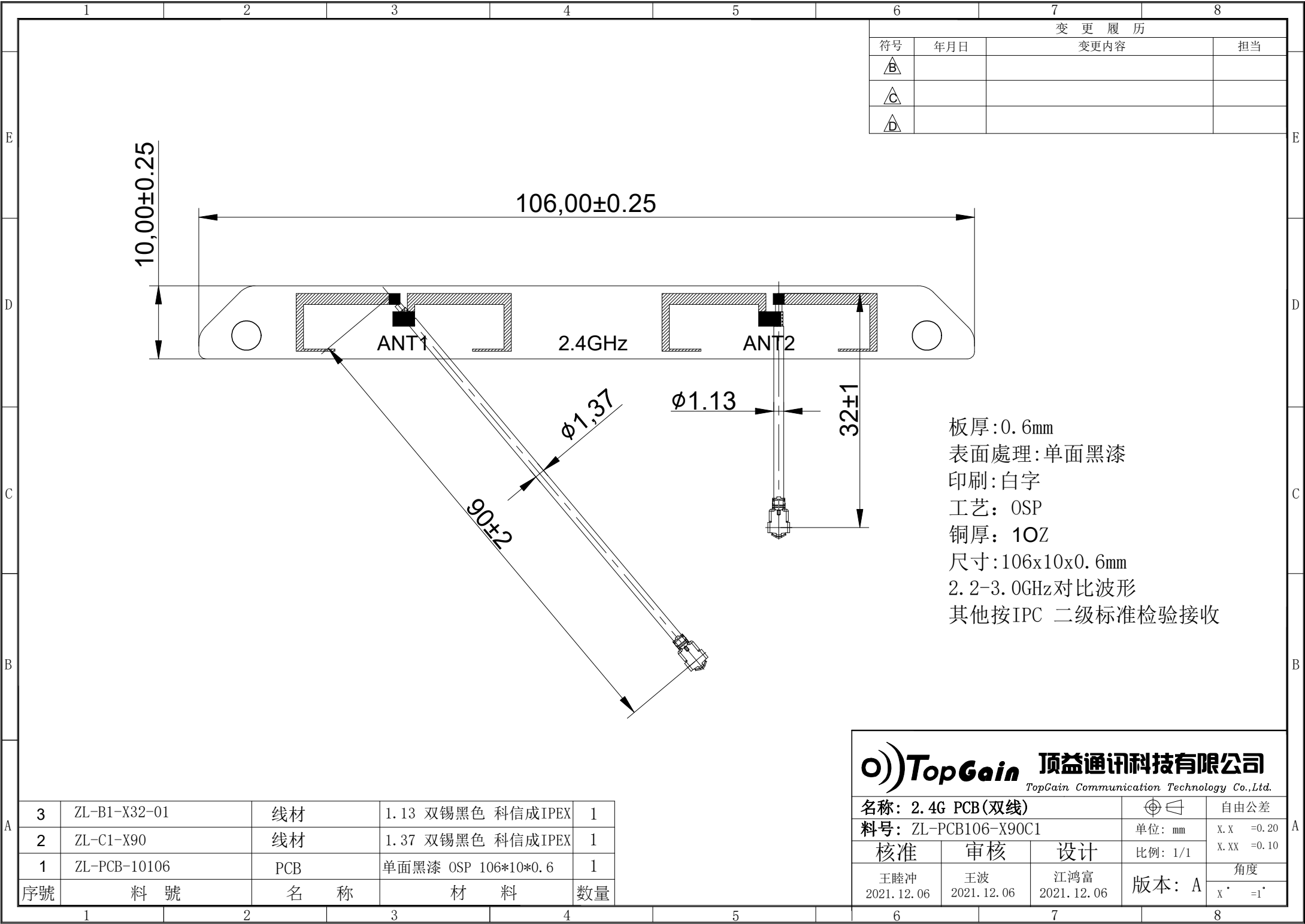
	2.4G ANT1 & 2.4G ANT2	
料号 Part No.	19340100079ZL-PCB106-X90C1	
材质 Material	FR4/RG137cable/ RG113cable	
客户回签/The customer sign back	编制日期/Date:	2022.08.29
审核/Checked:	设计/Design By:	江鸿富
批准/Approved:	审核/Checked By:	王睦冲



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规格

A. Electrical Characteristics	
阻抗	50 Ohm
频率范围	2.4-2.5GHz
VSWR	2.0Max
B. Material & Mechanical Characteristics	
辐射方向	全向
极化方式	垂直
线材规格	1.37 黑色 L=90mm
	1.13 黑色 L=32mm
接头型号	IPEX
颜色	黑色
C. Environmental	
工作温度	- 20 °C ~ + 70 °C
储存温度	- 40 °C ~ + 80 °C



变 更 履 历			
符号	年月日	变更内容	担当
△A			
△C			
△D			

板厚:0.6mm
表面處理:单面黑漆
印刷:白字
工艺: OSP
铜厚: 10Z
尺寸:106x10x0.6mm
2.2-3.0GHz对比波形
其他按IPC 二级标准检验接收

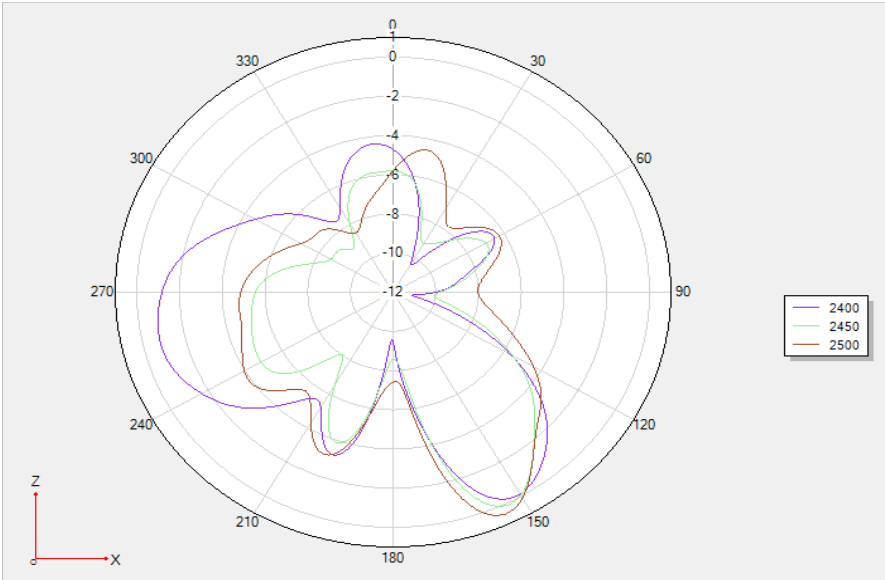
3	ZL-B1-X32-01	线材	1.13 双锡黑色 科信成IPEX	1
2	ZL-C1-X90	线材	1.37 双锡黑色 科信成IPEX	1
1	ZL-PCB-10106	PCB	单面黑漆 OSP 106*10*0.6	1
序號	料 號	名 称	材 料	数量

o)))TopGain 顶益通讯科技有限公司 TopGain Communication Technology Co.,Ltd.			
名称: 2.4G PCB(双线)			自由公差
料号: ZL-PCB106-X90C1			单位: mm
核准	审核	设计	比例: 1/1
王睦冲 2021.12.06	王波 2021.12.06	江鸿富 2021.12.06	版本: A
			角度
			X° =1°

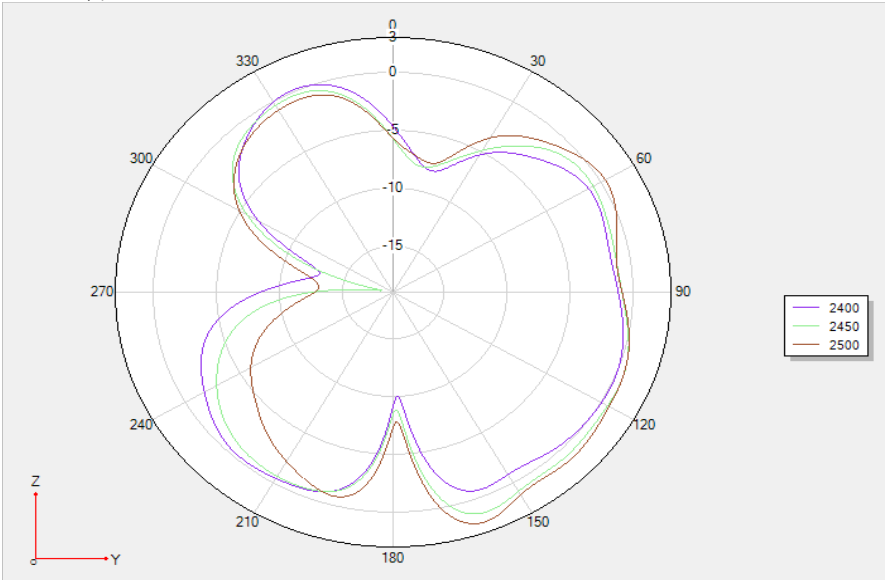
ANT1增益效率测试报告

Frequency / MHz	2400	2420	2440	2460	2480	2500
Efficiency / %	44.77	44.06	42.56	47.27	49.77	49.2
Gain/ dB	1.66	1.35	0.79	1.64	2.3	2.61

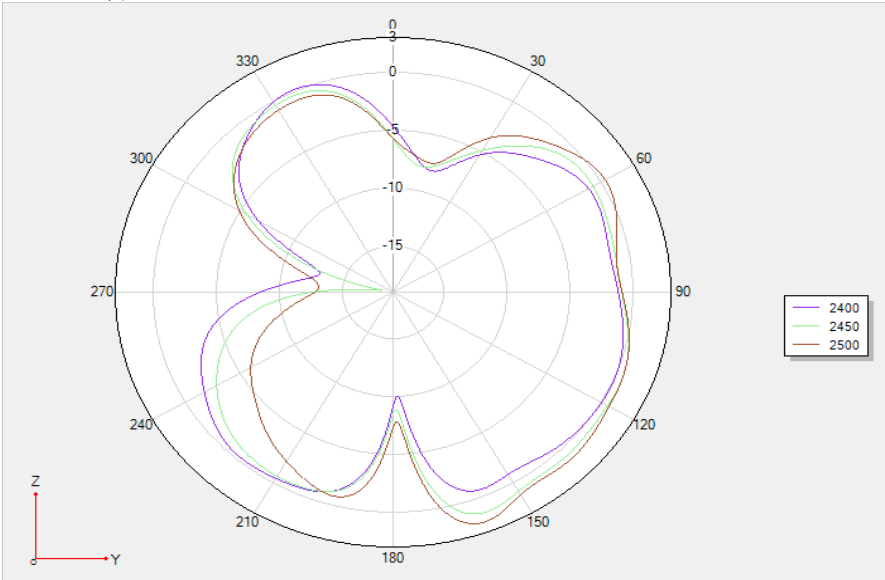
Phi 0 2D图



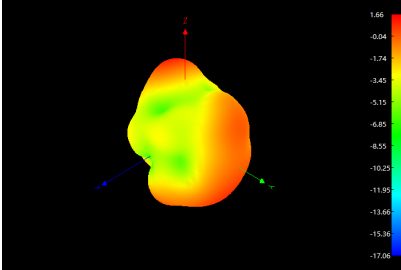
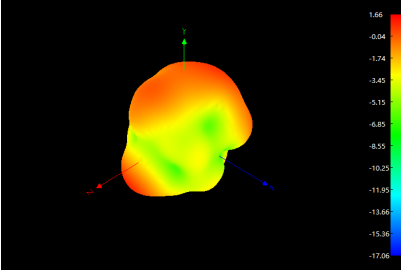
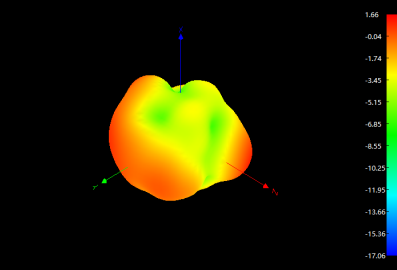
Phi 90 2D图



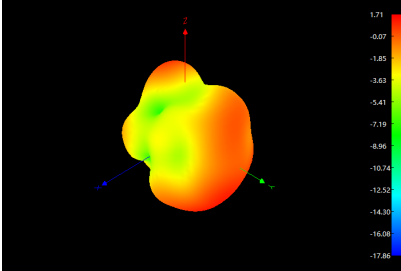
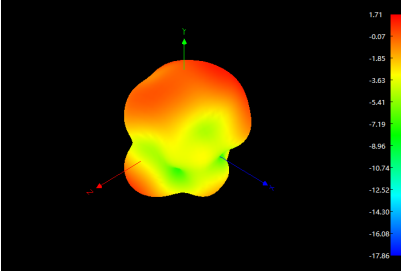
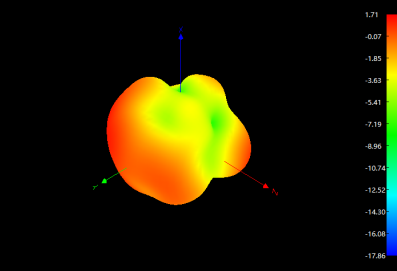
Theta 90 2D图



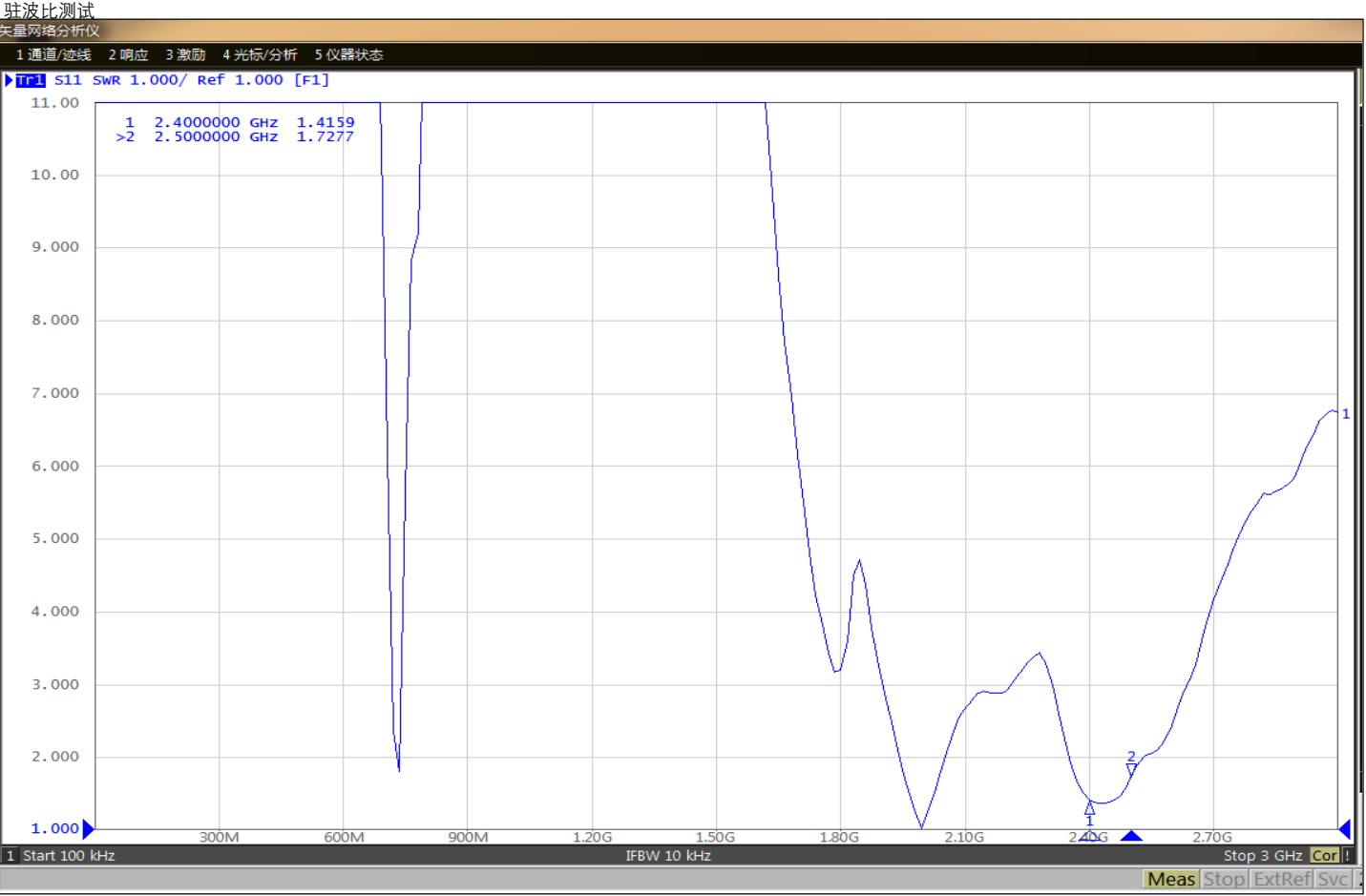
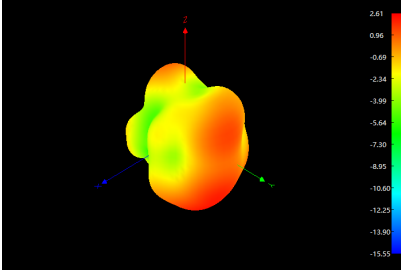
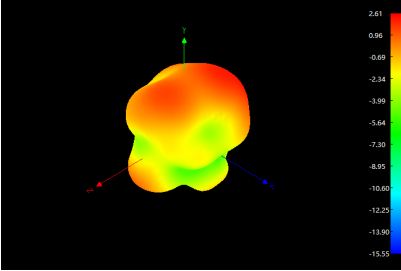
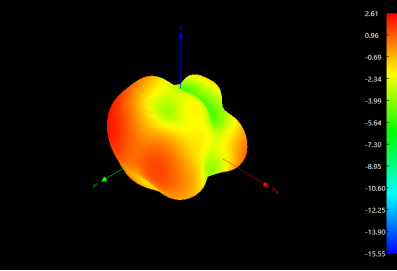
2400MHz



2450MHz



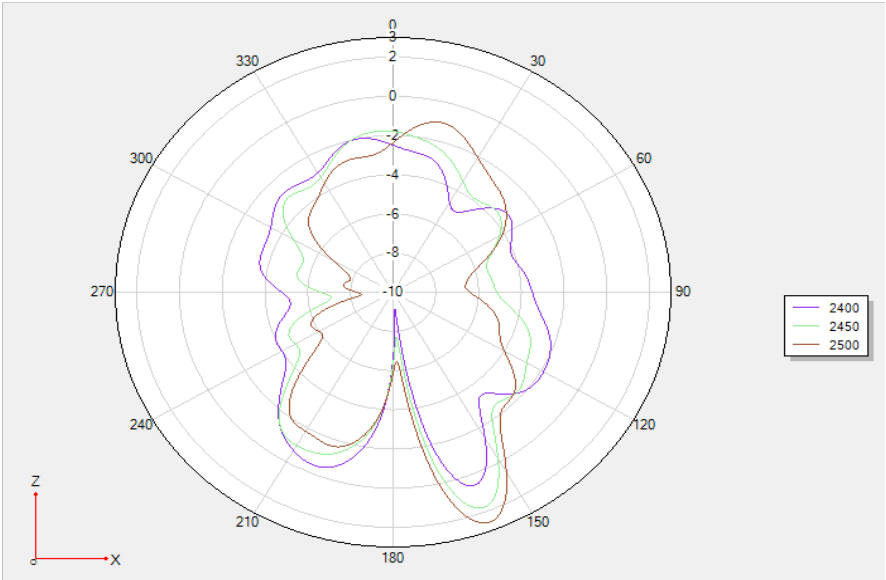
2500MHz



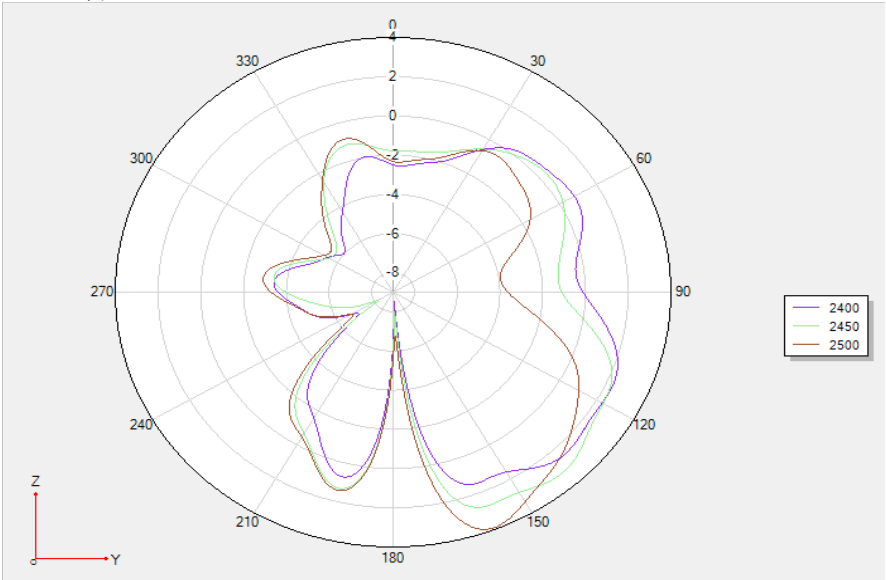
ANT2增益效率测试报告

Frequency / MHz	2400	2420	2440	2460	2480	2500
Efficiency / %	65.61	65.16	65.92	64.12	62.95	56.62
Gain/ dB	2.53	2.88	3.08	3.13	3.59	3.93

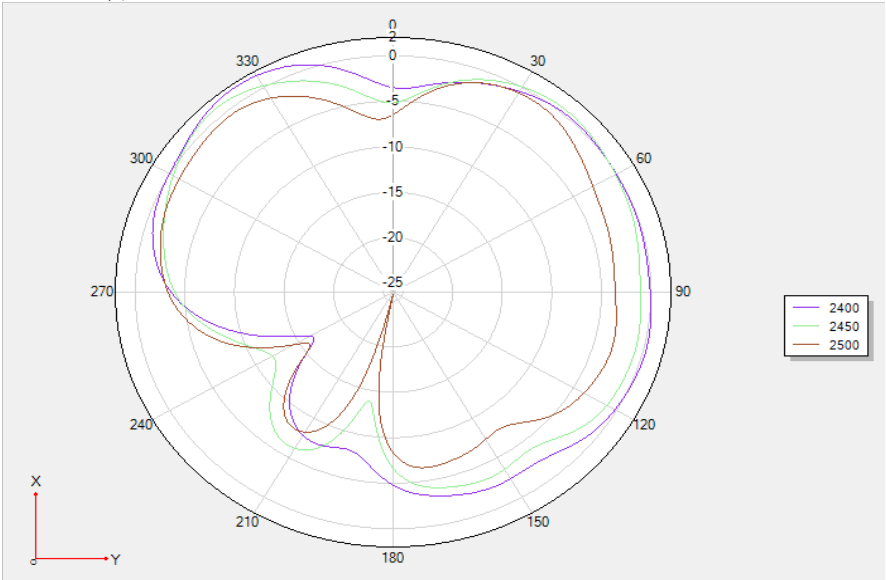
Phi 0 2D图



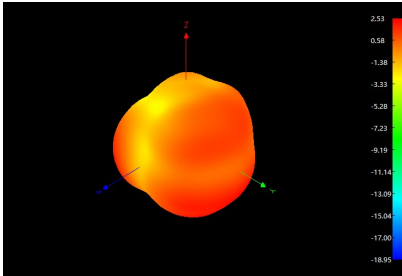
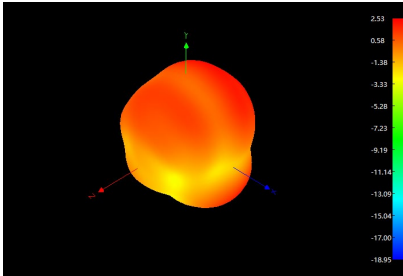
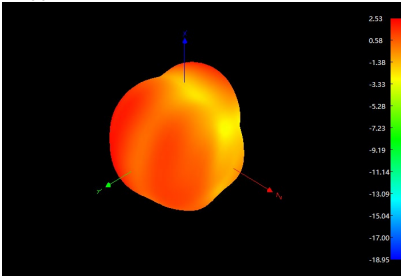
Phi 90 2D图



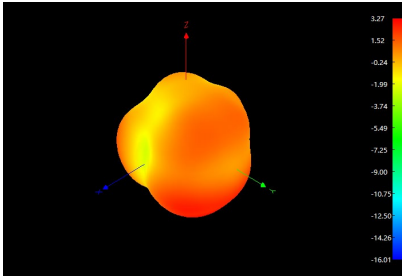
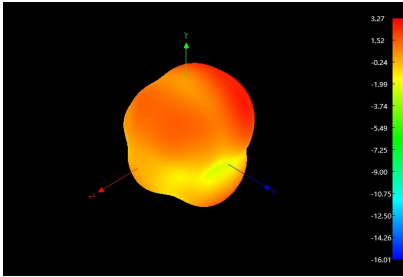
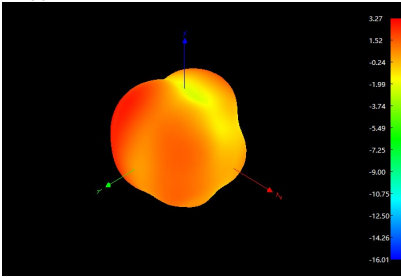
Theta 90 2D图



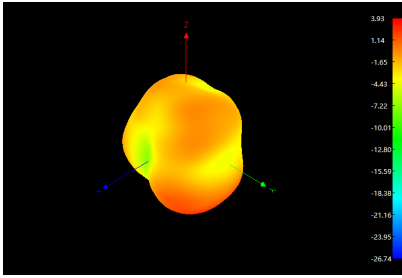
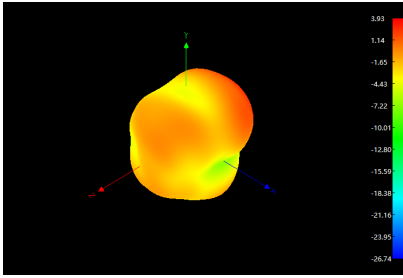
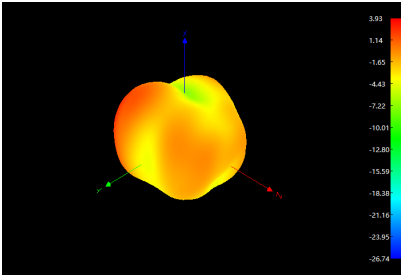
2400MHz



2450MHz



2500MHz



驻波比测试

矢量网络分析仪

1 通道/迹线 2 响应 3 激励 4 光标/分析 5 仪器状态

光标 2 2.500000000 GHz

确定 关闭

S11 SWR 1.000/ Ref 1.000 [F1]

