

Manufacturer: Shenzhen Ruixinda Communication Equipment Co., Ltd

Customer:

Project Name: BT

RF Engineer: Liu Xiao

Testing Date: 2022-09-01

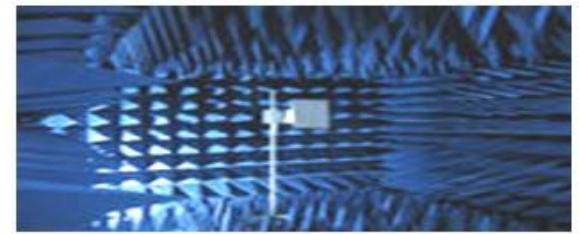
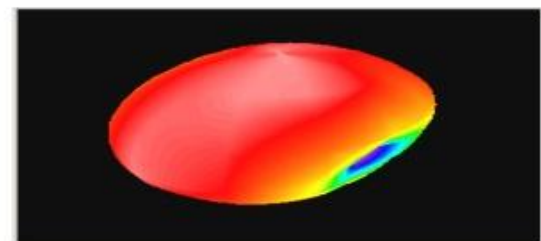
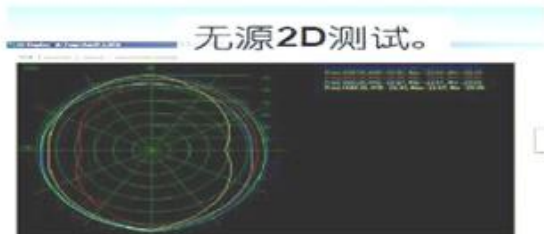
Operating band: BT

# 1. Project brief

NO.	ITEMS	DETAILS
1	工作频段 Operating band	BT
2	频率范围 Frequency range	(2400~2500MHz)
3	天线类型 Antenna Type	Monopole antenna
4	天线材质及实现形式	纯铜芯线
5	输入阻抗 Input Impedance	50 ( $\Omega$ )
6	增益 Gain	$\leq 2.1$ dBi

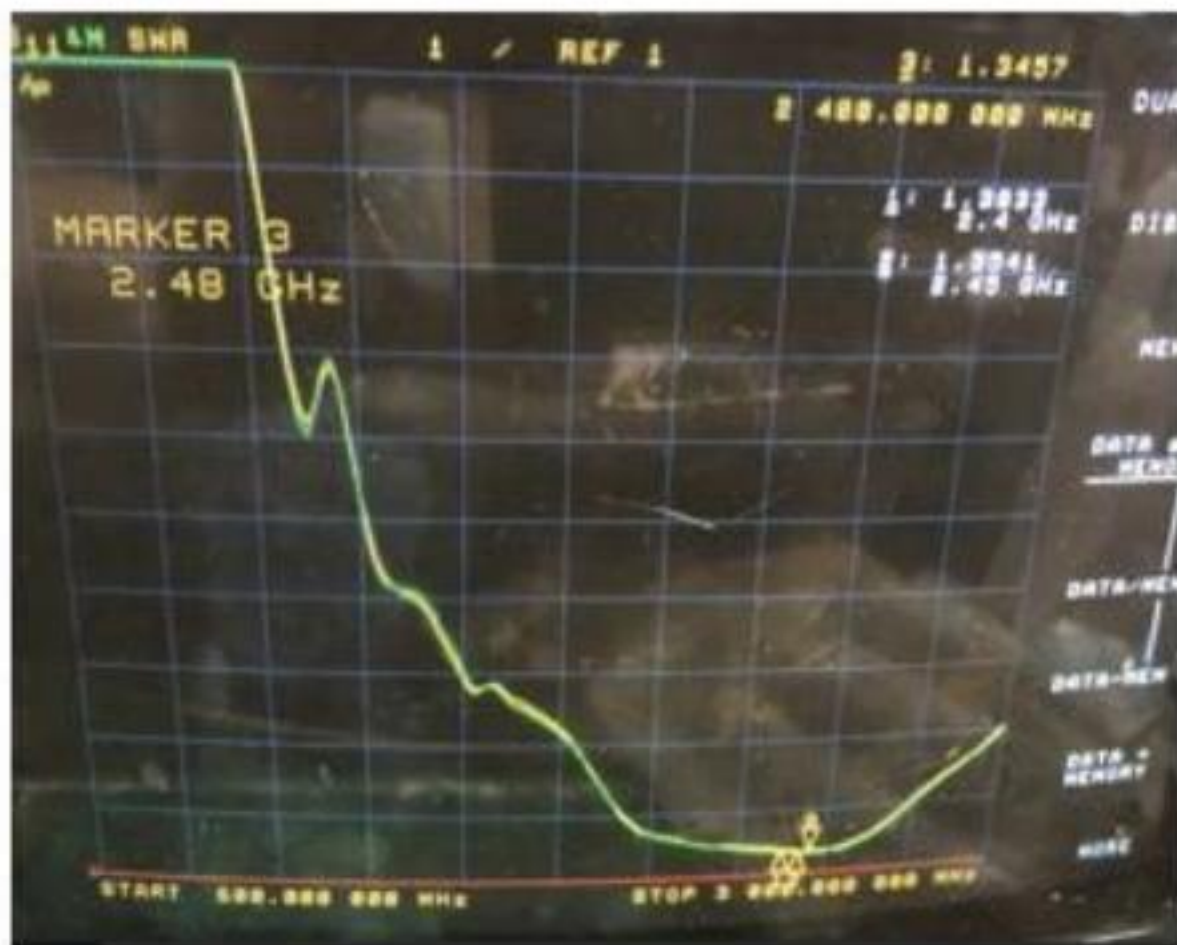
## 2. Test system and equipment

	测试项目	设备
1. S参数	1. 回波损耗 2. 驻波比	网络分析仪: HP 8753D/R3765CH
2. 耦合功率测试	1. 发射功率 2. 接收灵敏度	GSM 测试仪: Agilent 8960 E5515C LTE 测试仪: 8820C/CMW500
3. 辐射模式与增益	1. 辐射模式 2. 天线增益	1. 暗室: 7x4x3 m (ETS-3D) 2. 网络分析仪: HP 8753D



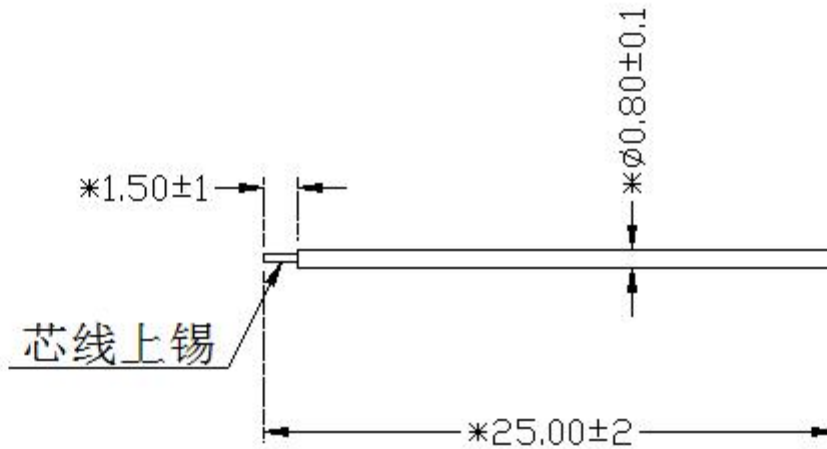
## Efficiency in free-space

<b>Frequenc y</b>	<b>Efficiency (% )</b>	<b>Gain (dB)</b>
2400MHz	42.7	1.9
2420MHz	41.3	1.7
2440MHz	38.9	1.3
2460MHz	40.1	1.6
2480MHz	42.3	1.9
2500MHz	44.1	2.1



频点	电压驻波比
2432	1.4
2452	1.3
2472	1.4

# Mechanical drawing

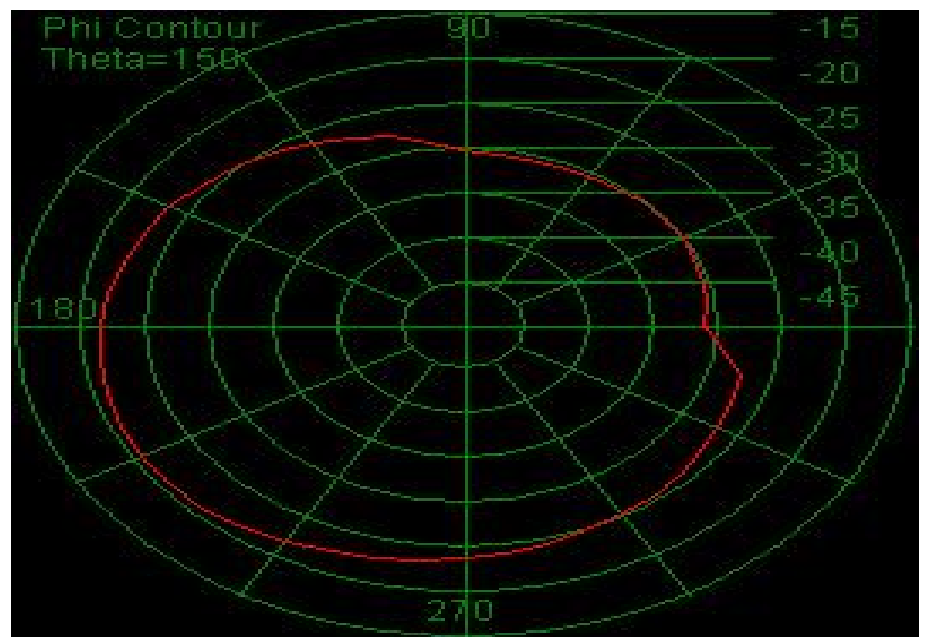
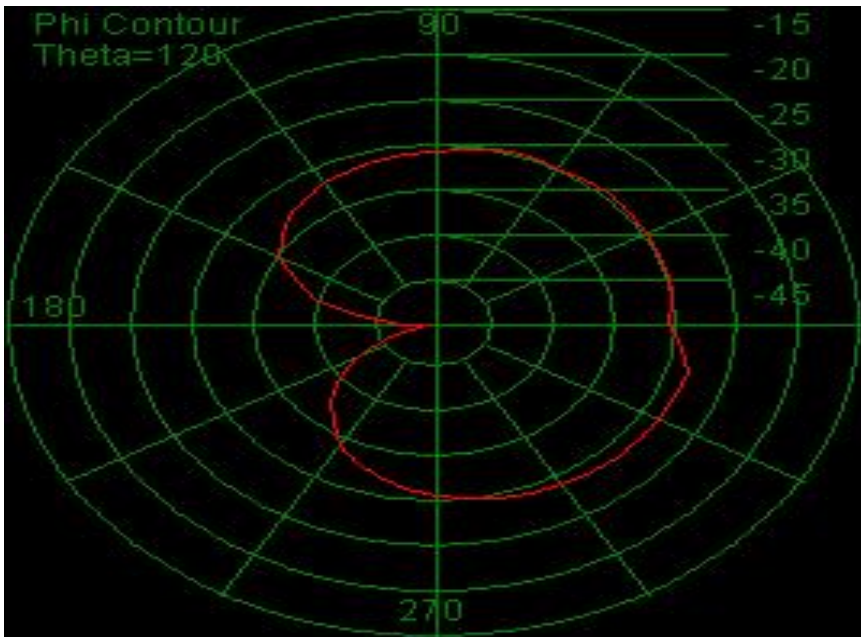
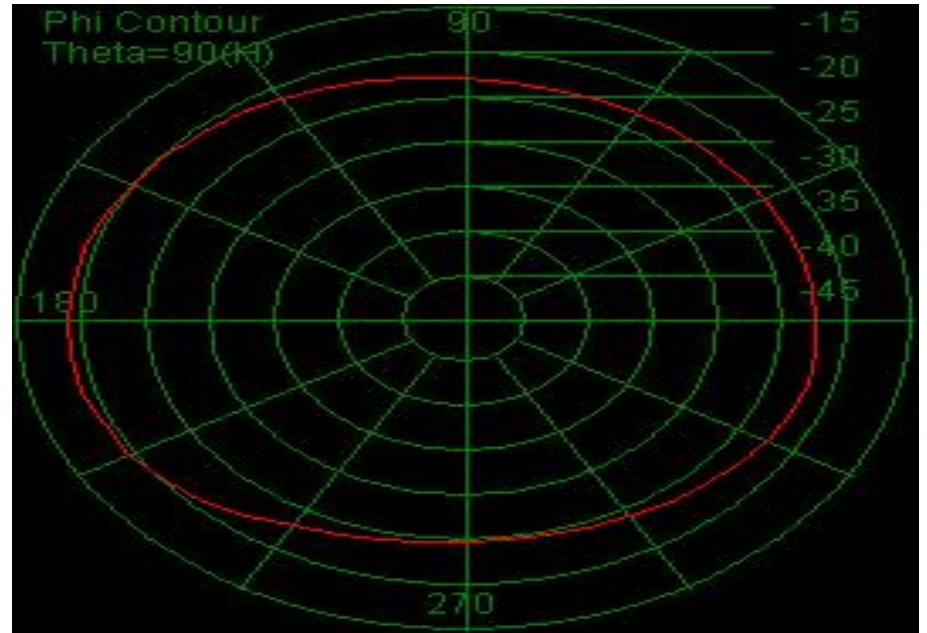
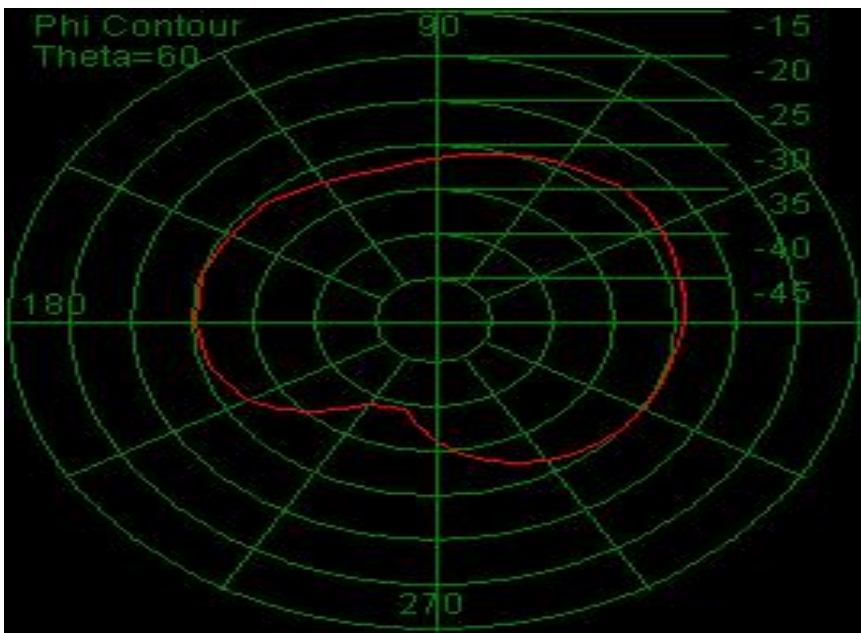


注:

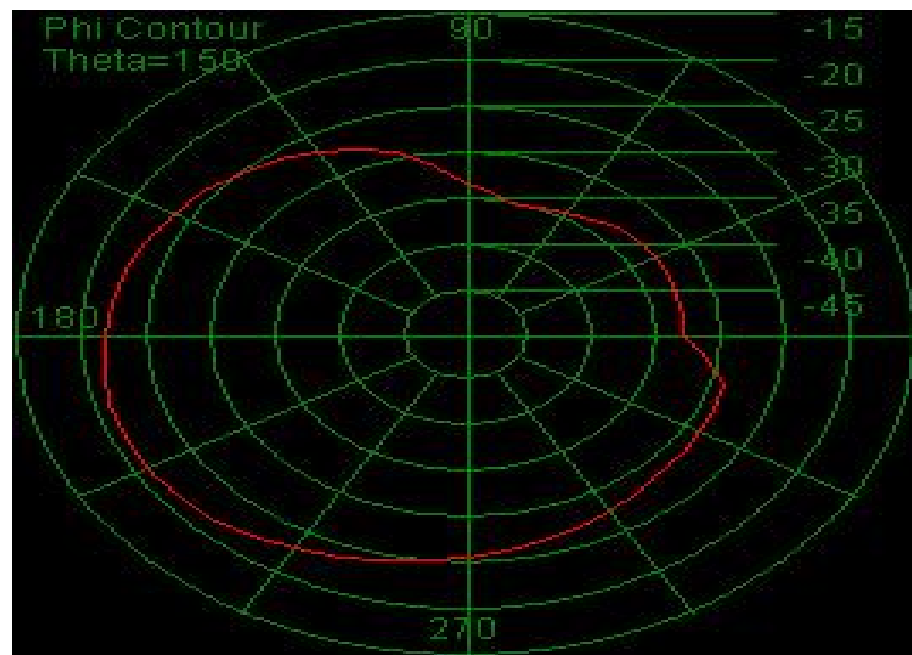
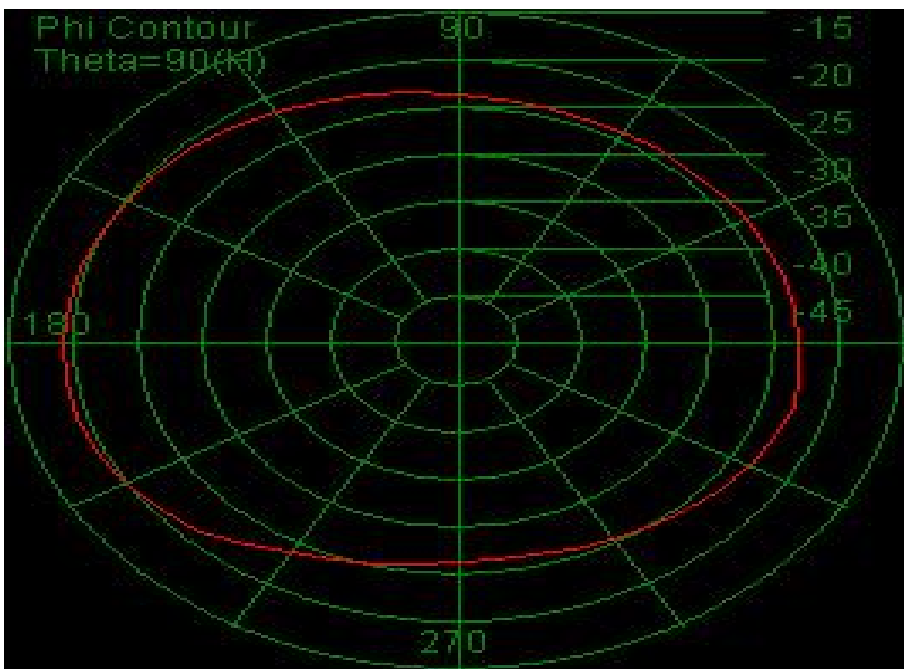
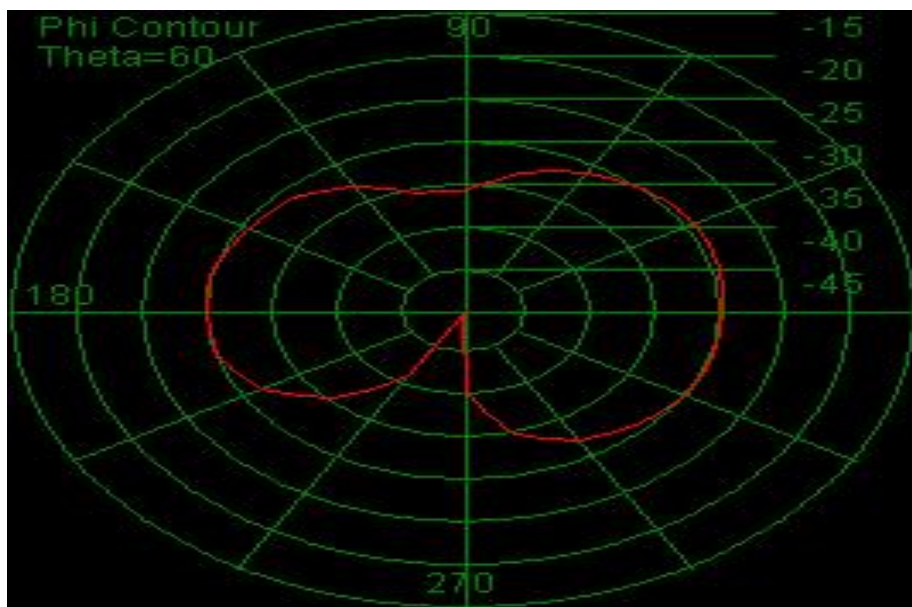
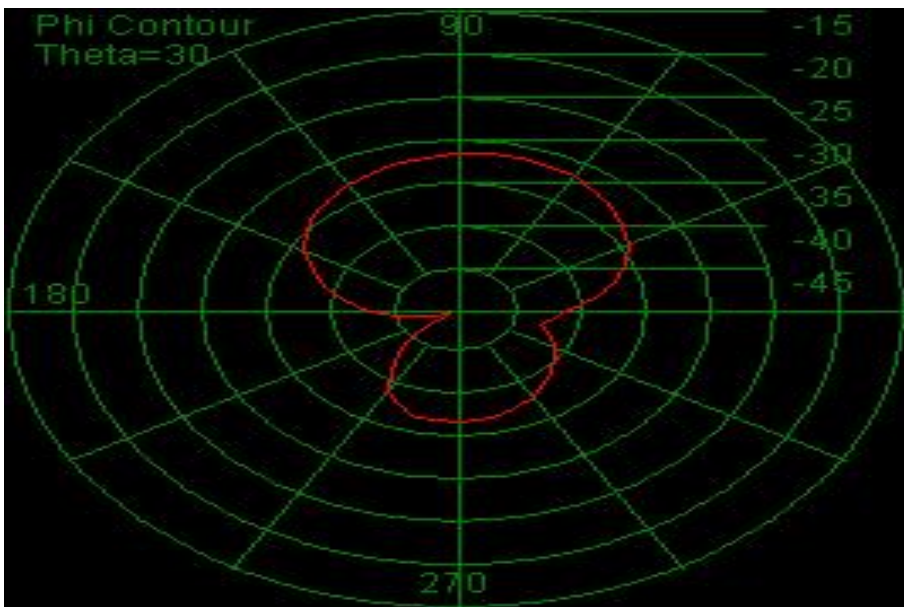
规格: 直径0.80\*长度25.0mm  
芯线需上锡

深圳市麒麟通达科技有限公司									
第三角注		机种	日期	2022-09-01	页码	1 of 1			
$\varnothing \sim 10$	$\pm 0.10$	$\circ$	公差	0.02	品名	蓝牙针脚	设计	审核	
10~20	$\pm 0.12$	$\odot$	公差	0.03	料号		工程	long	
20~40	$\pm 0.15$	$\perp$	公差	0.04	材质		射覆		
40~	$\pm 0.20$	$\nabla$	公差	0.05	表面处理		确认		
请见实际图能	位置	外观处理			单位	mm	比例	1:1	版本
								007.d	

2400mhz

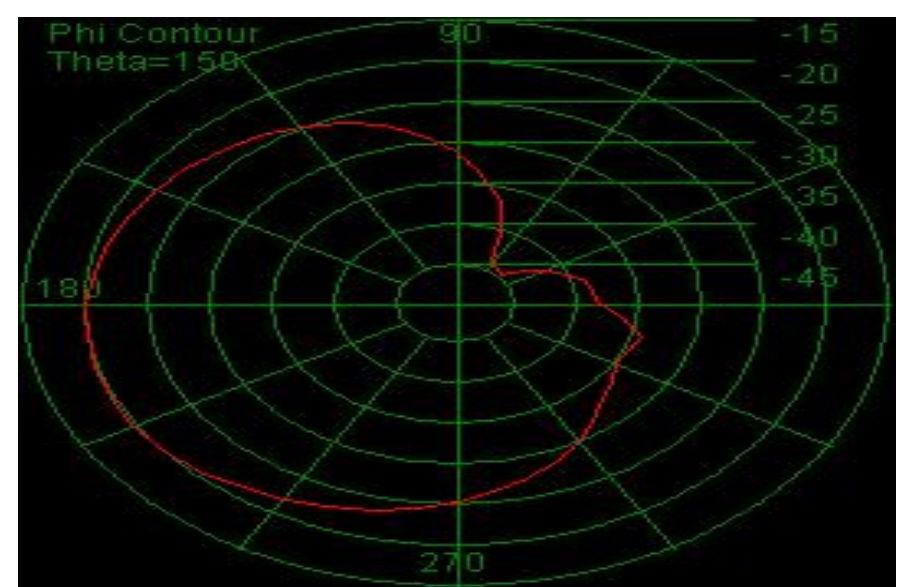
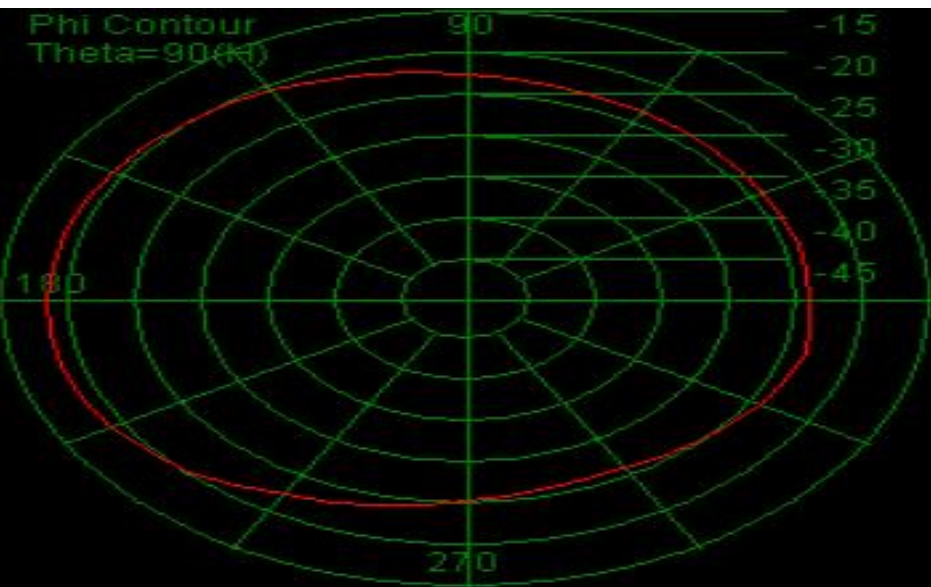
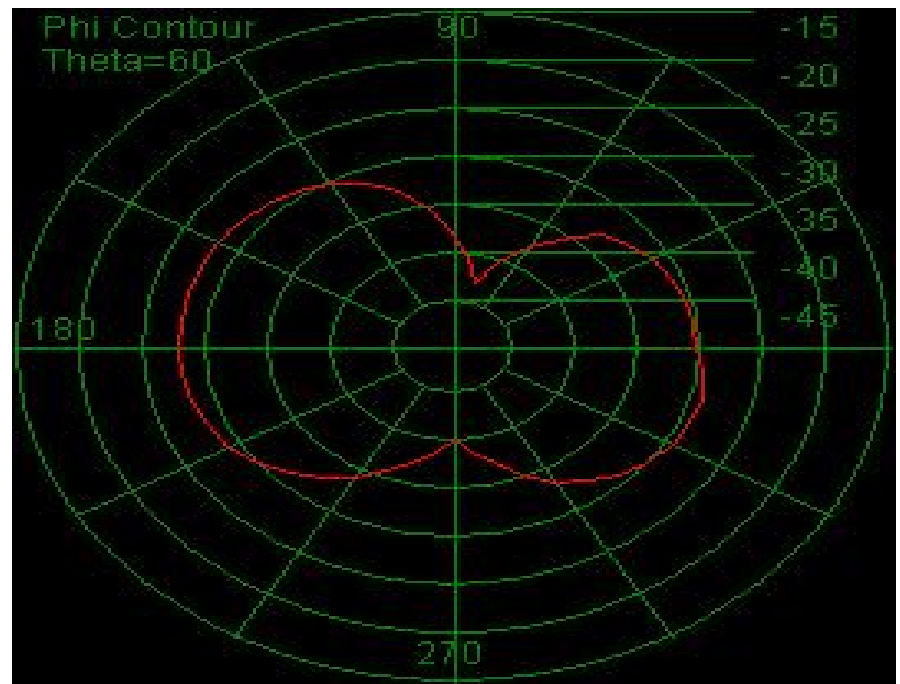
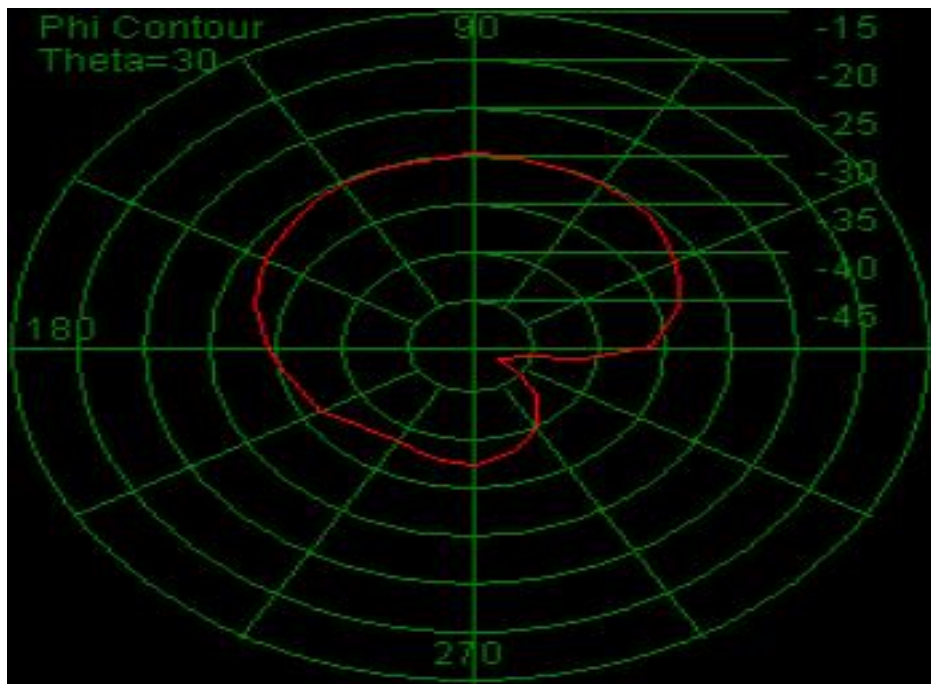


2420mhz

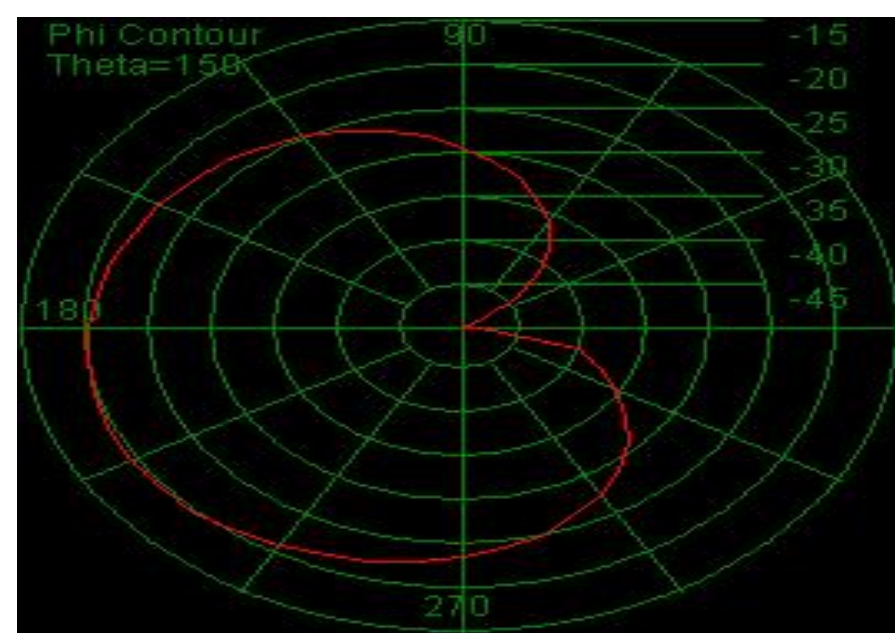
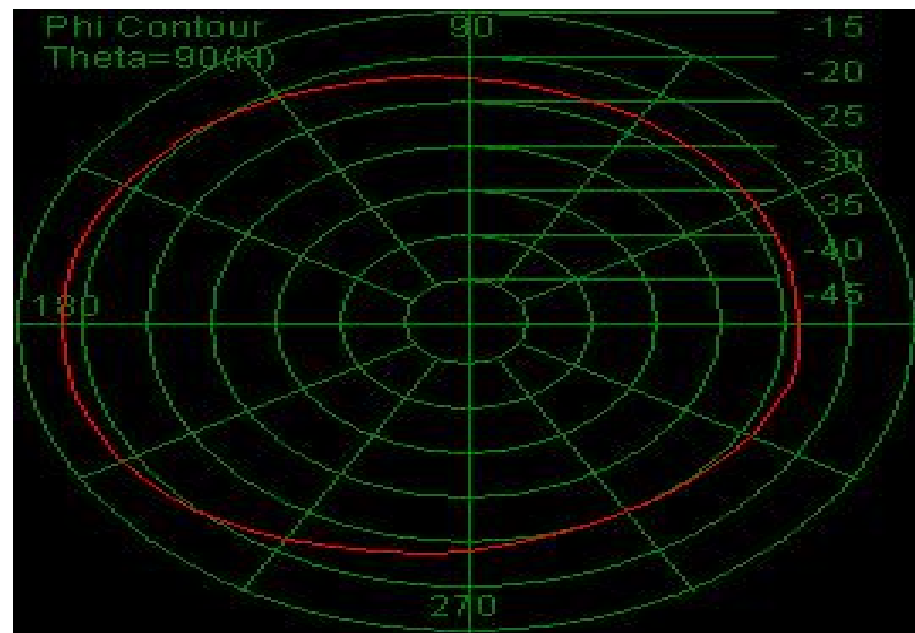
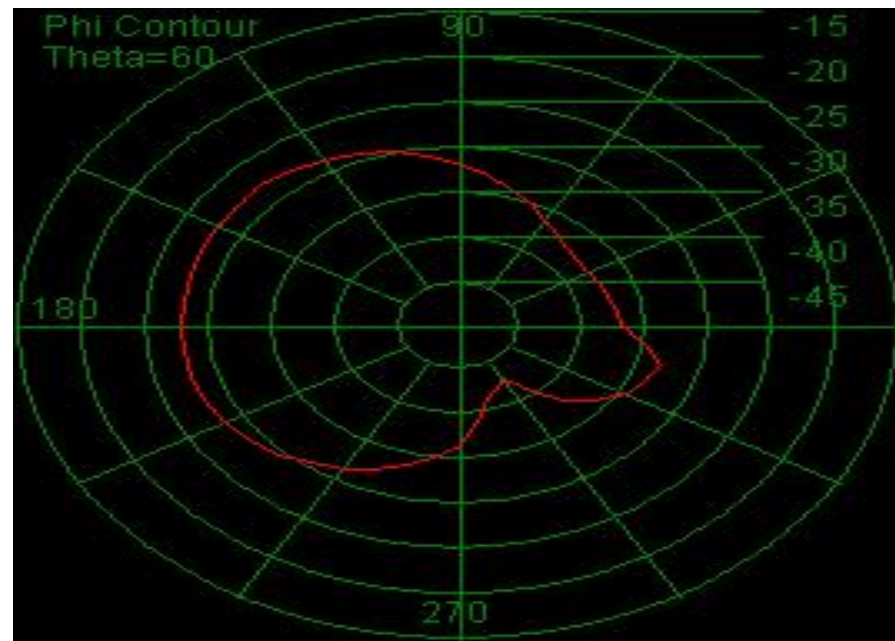
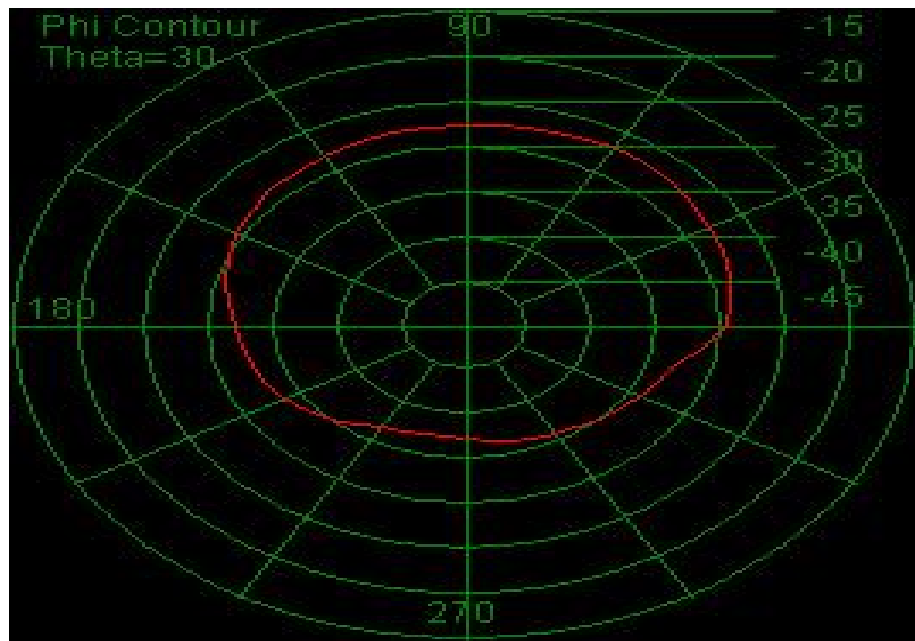




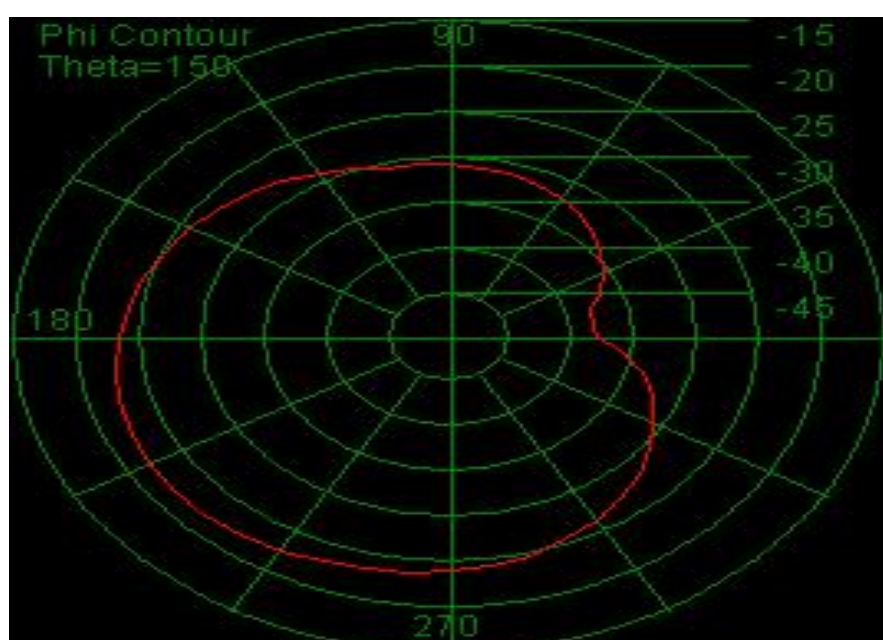
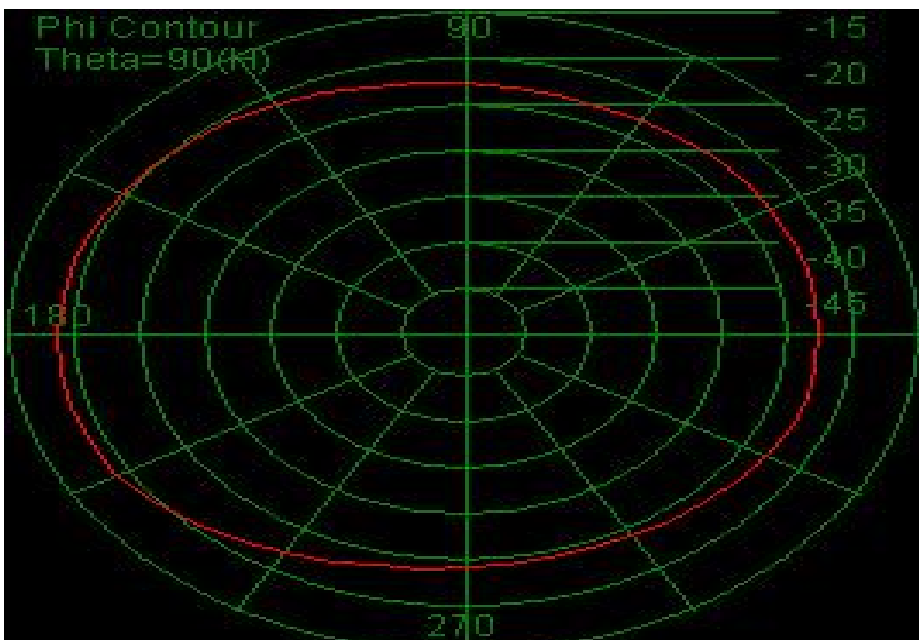
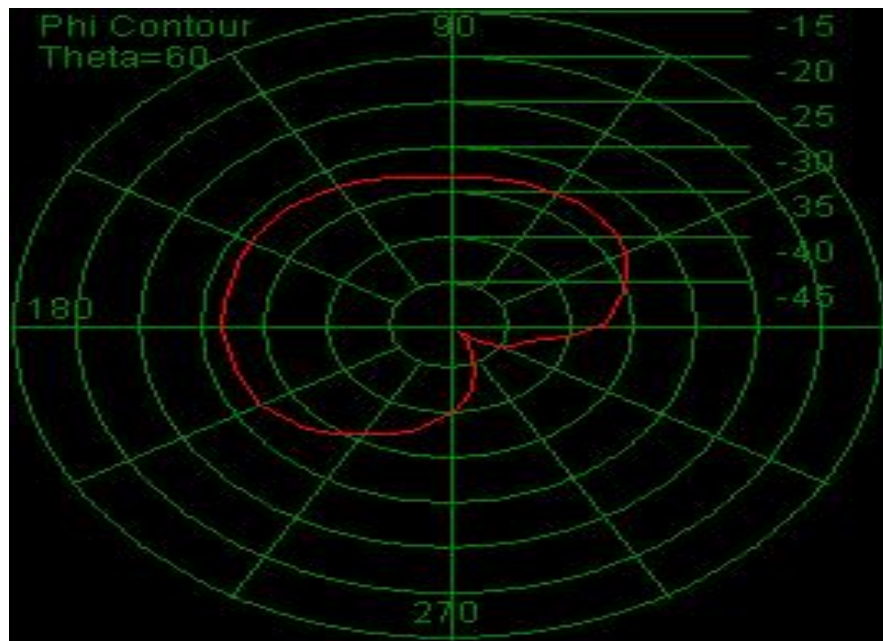
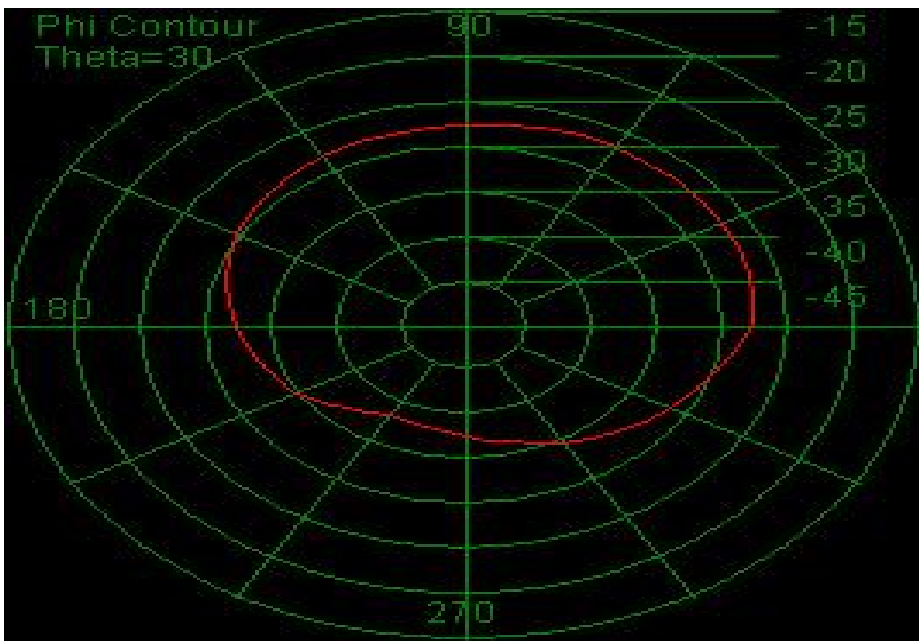
2440mhz



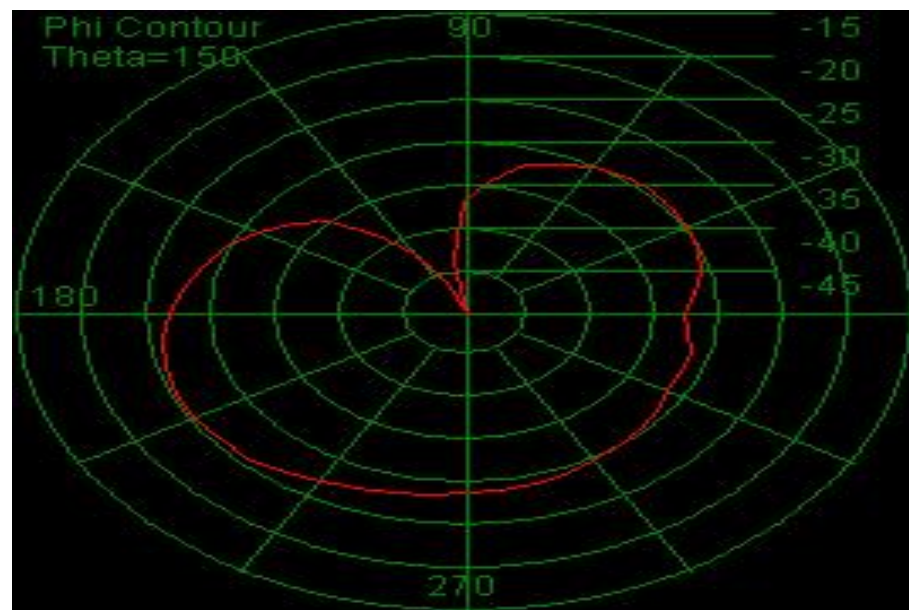
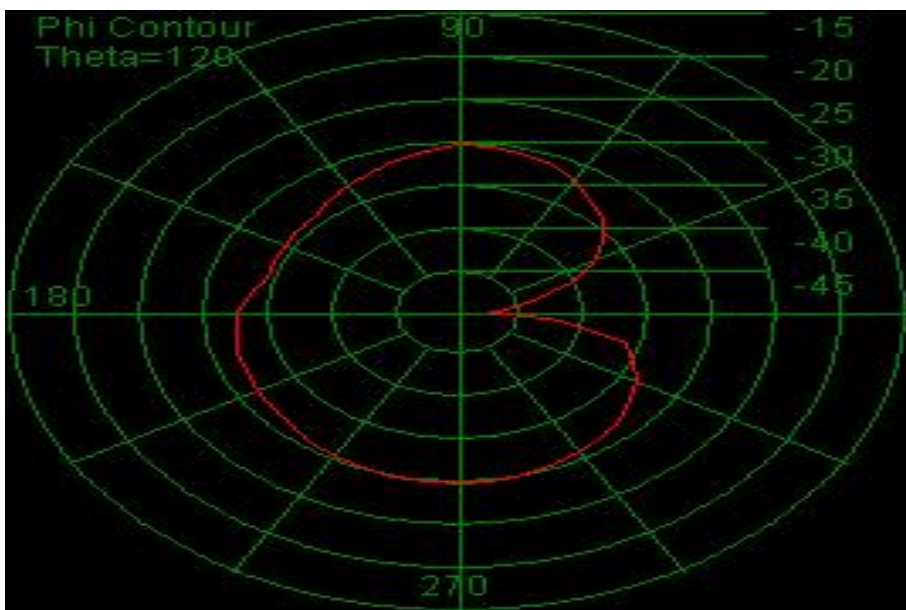
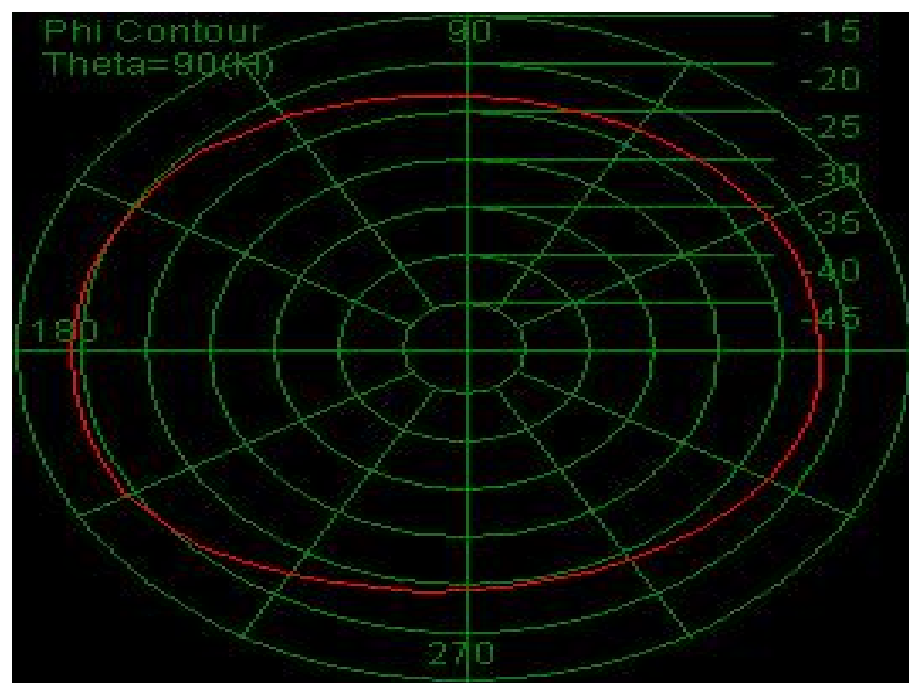
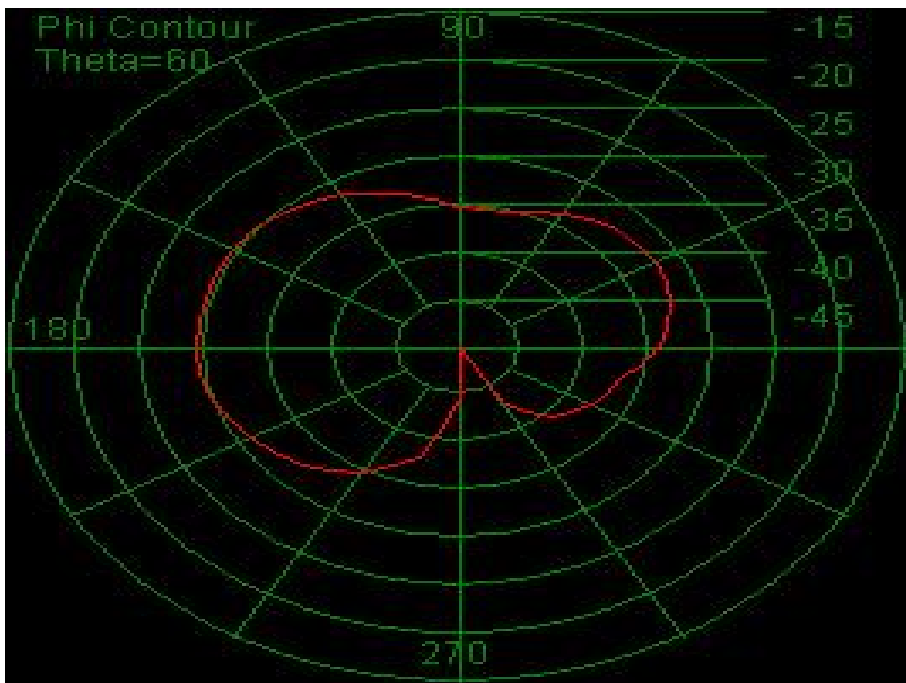
2460mhz



2480mhz



2500mhz



*The end , thanks!*