

Manufacturer: Shenzhen Ruixinda Communication Equipment Co., Ltd

Customer:

Project Name: BT

RF Engineer: Liu Xiao

Testing Date: 2022-09-01

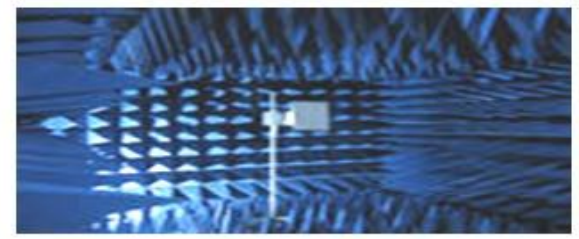
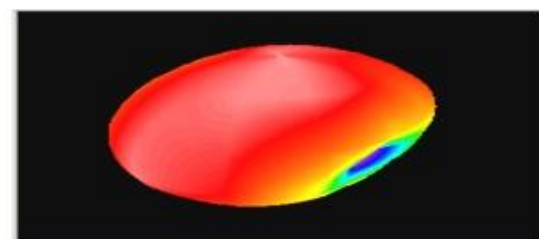
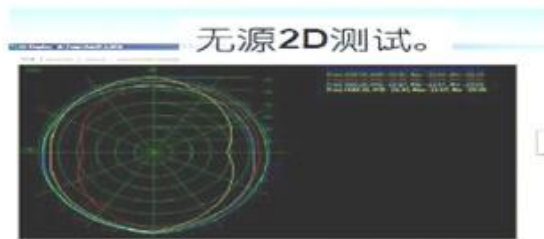
Operating band: BT

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 (Ω)
6	增益 Gain	≤ 2.1 dBi

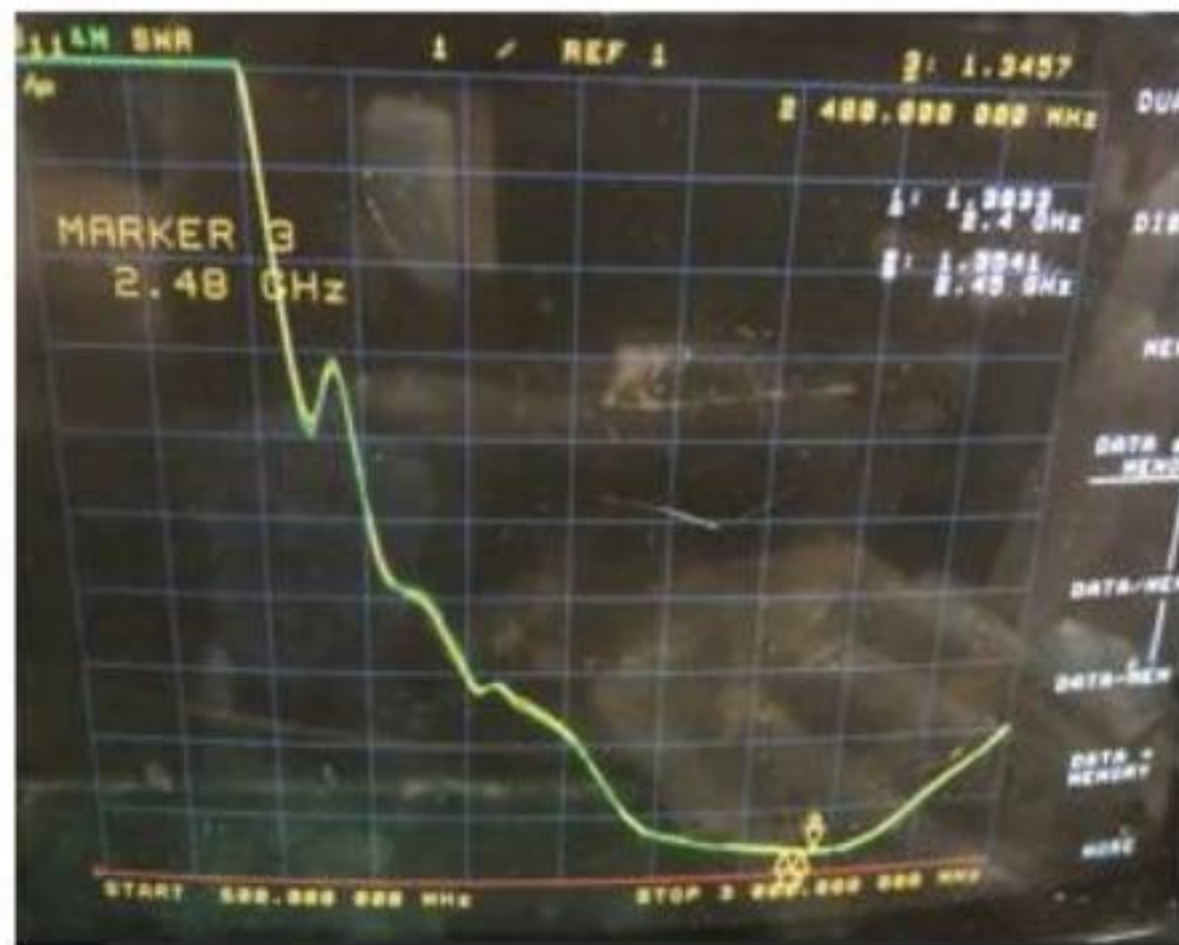
2. Test system and equipment

	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



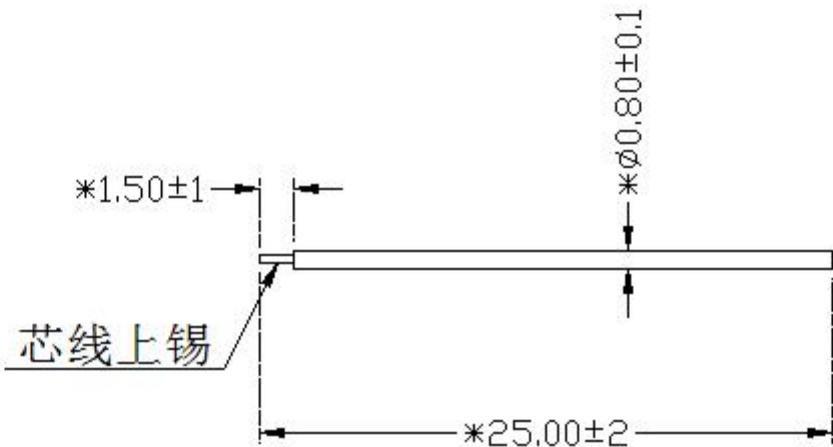
Efficiency in free-space

Frequenc y	Efficiency (%)	Gain (dB)
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

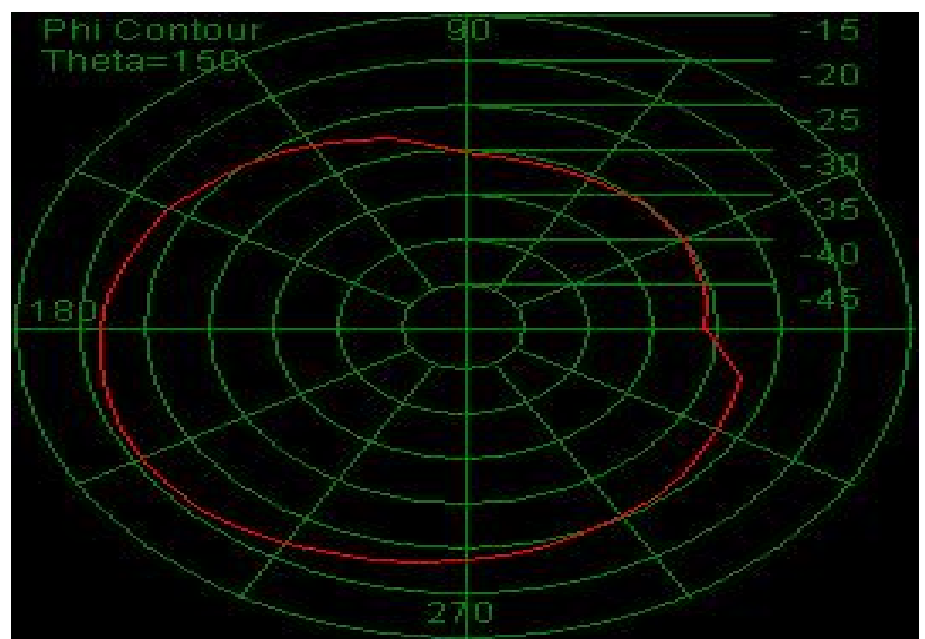
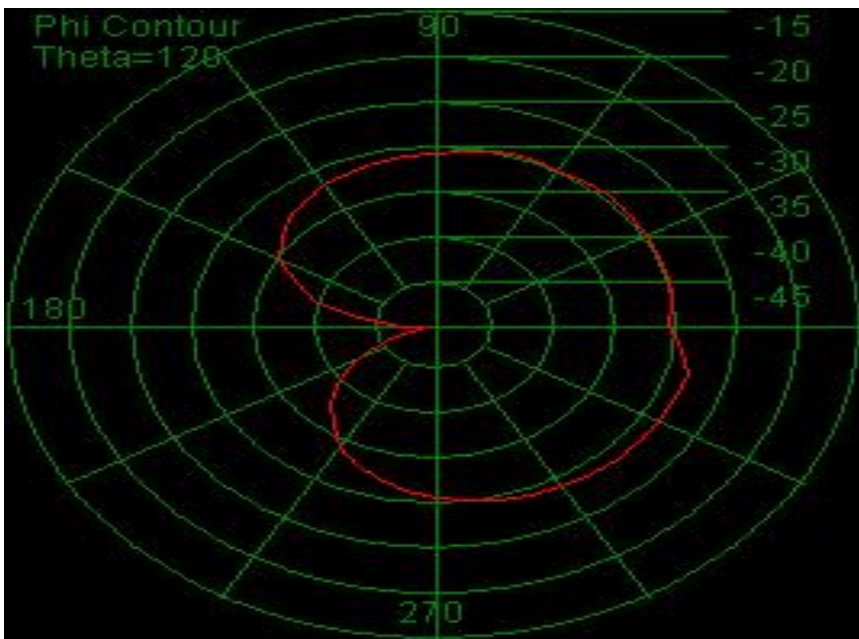
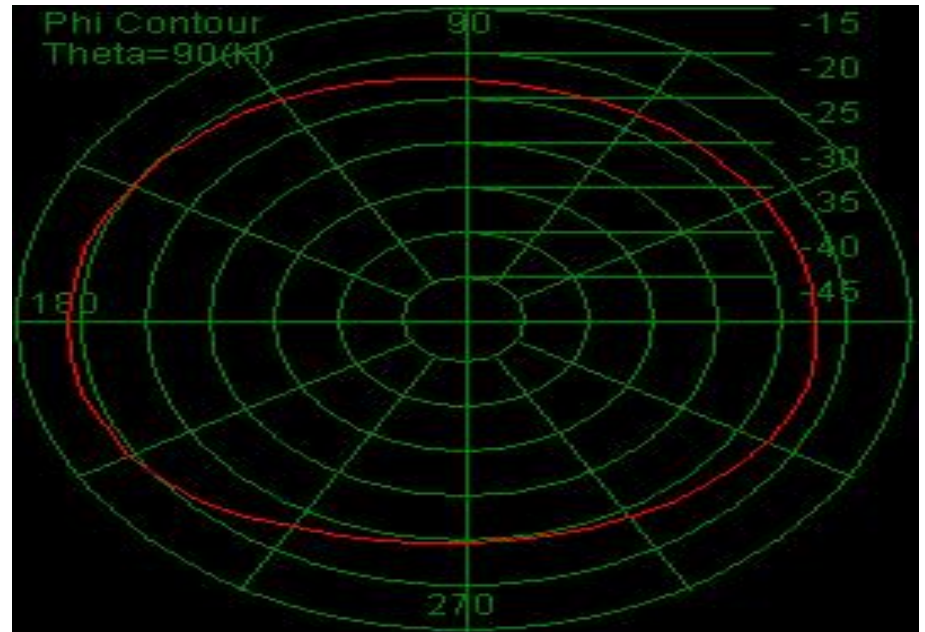
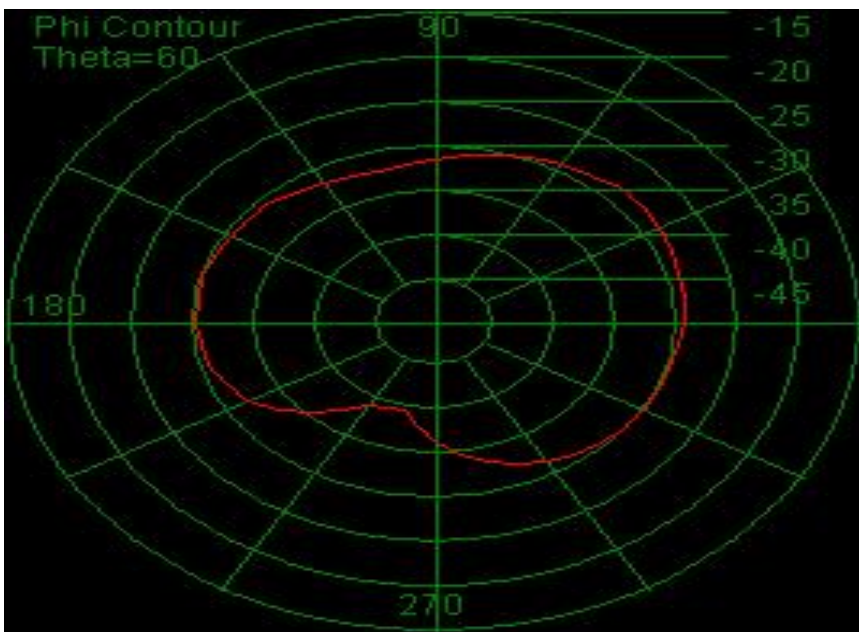


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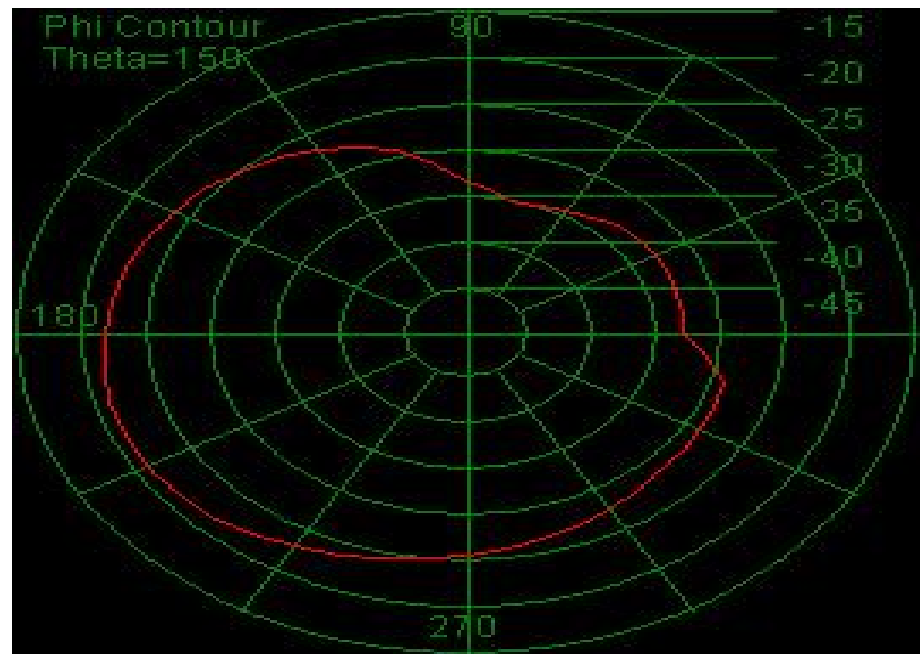
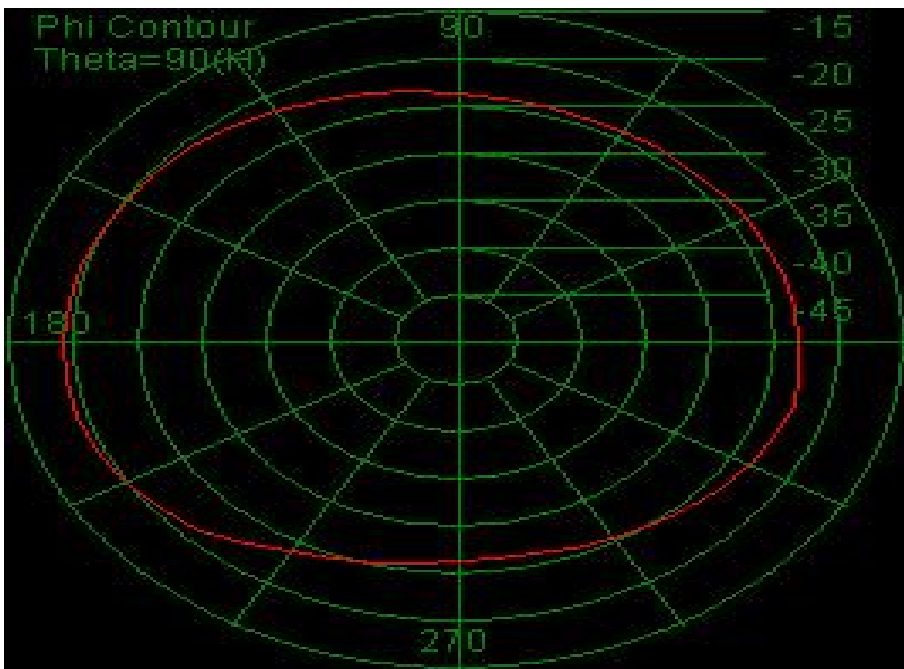
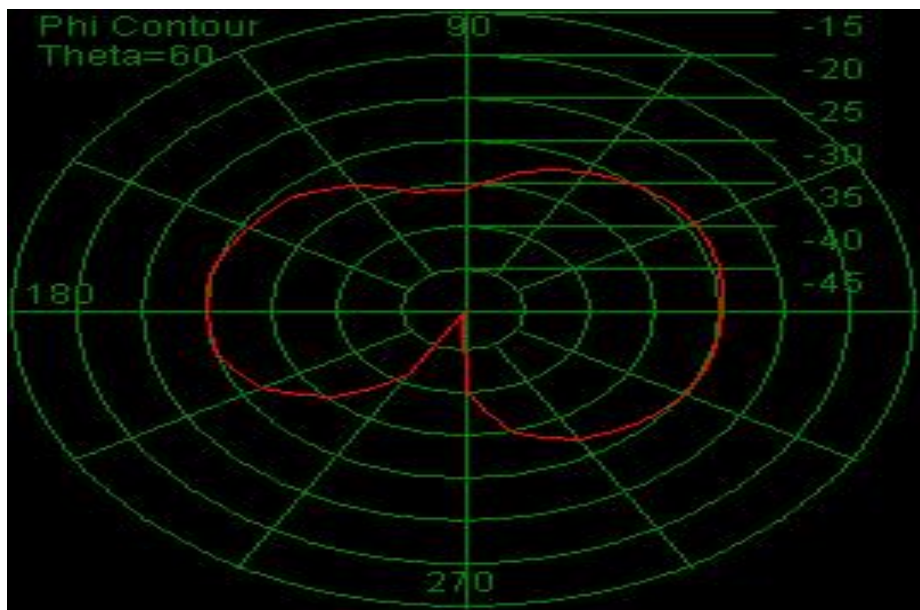
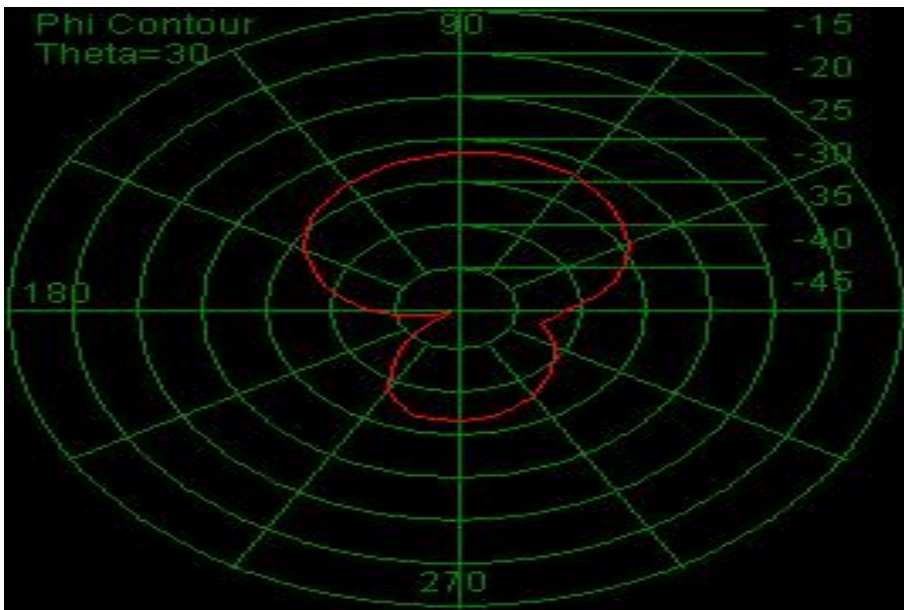
规格: 直径0.80*长度25.0mm
芯线需上锡

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		
0~10	±0.10	品名	蓝牙天线	设计		审核			
10~20	±0.12	料号		审核	工程	long			
20~40	±0.15	封固		审核	封固				
40~	±0.20	模面处理		确认					
请与实际图核对位置		外观处理		单位	mm	比例	1:1	版本	B07.d

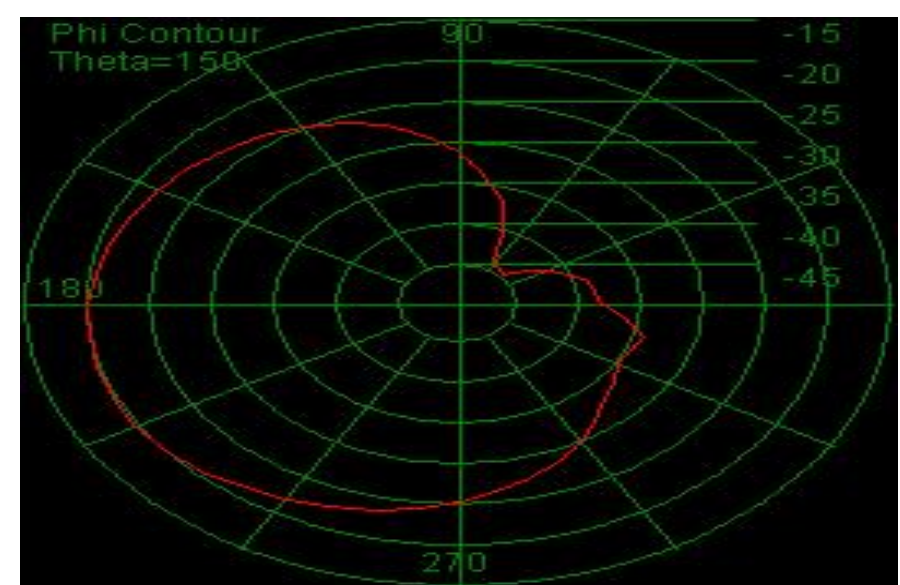
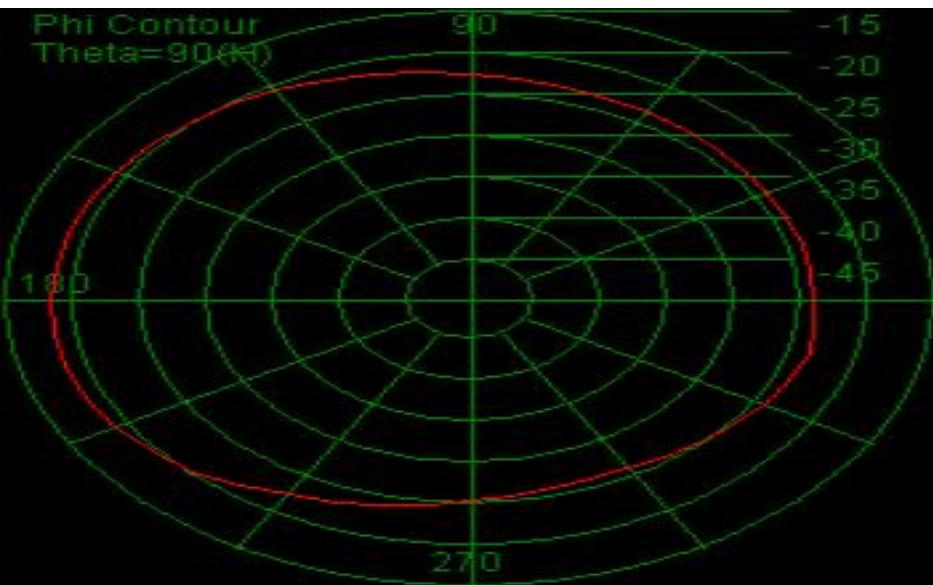
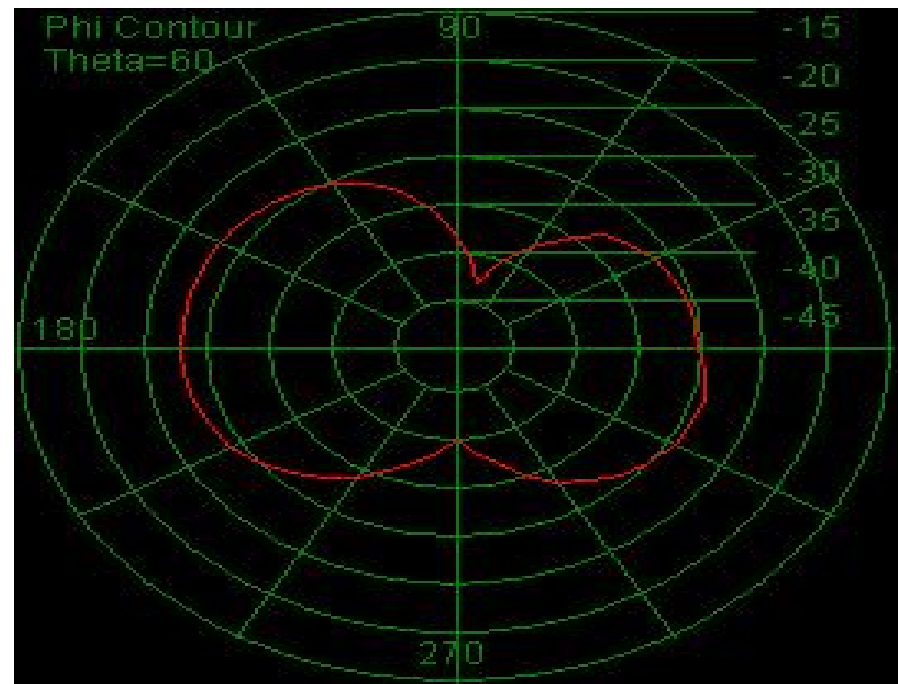
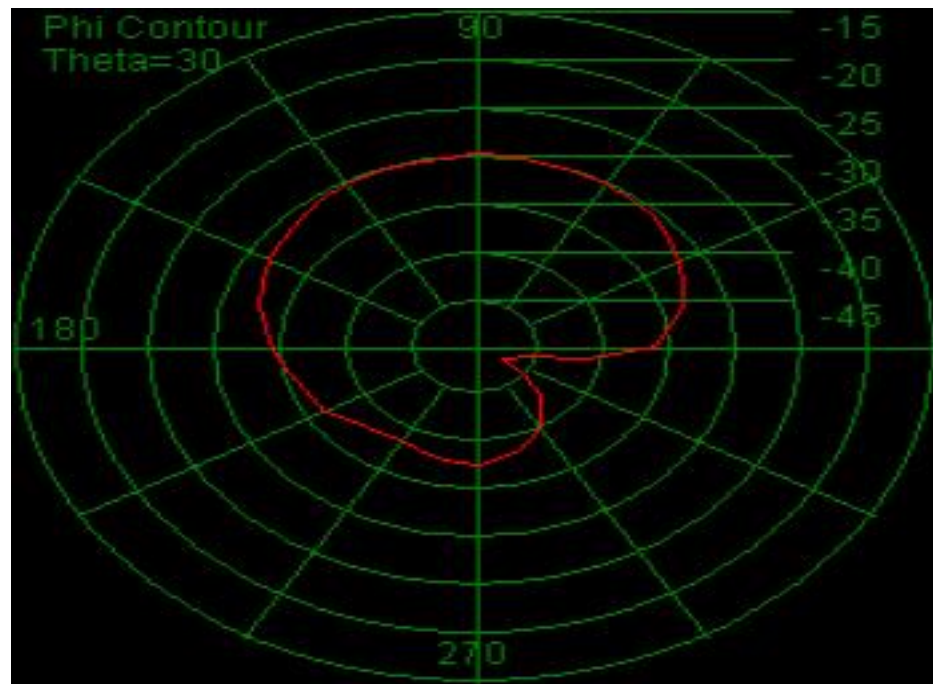
2400mhz



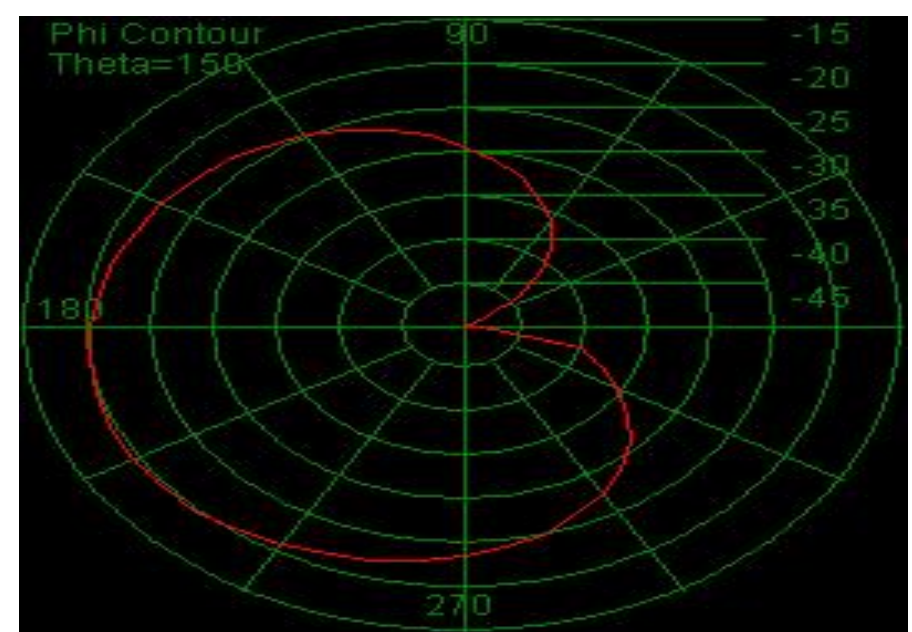
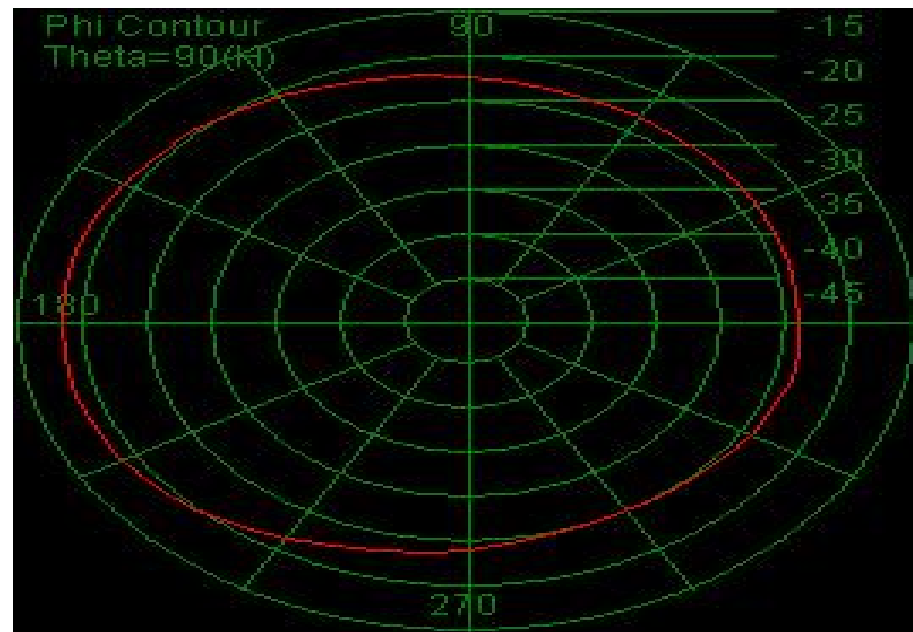
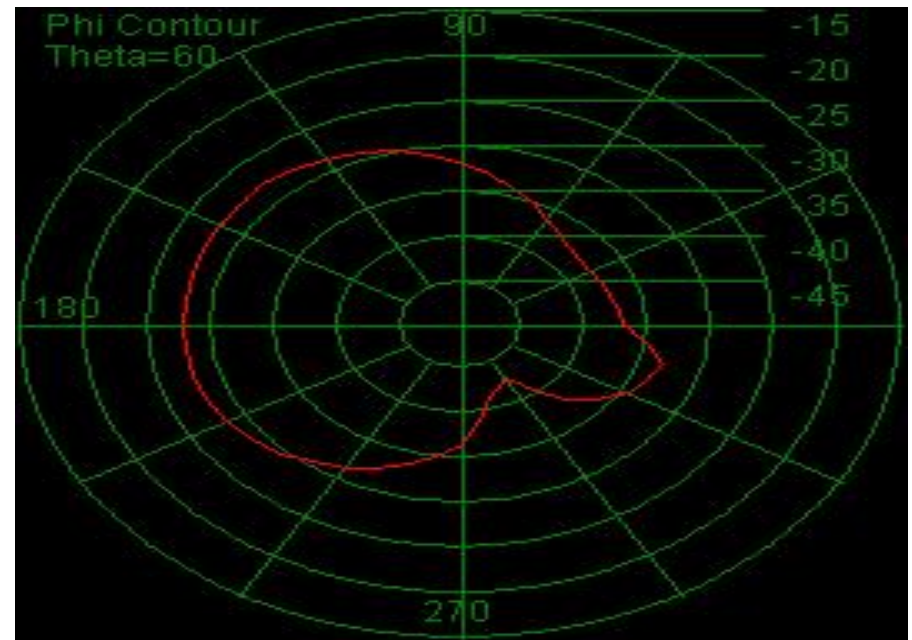
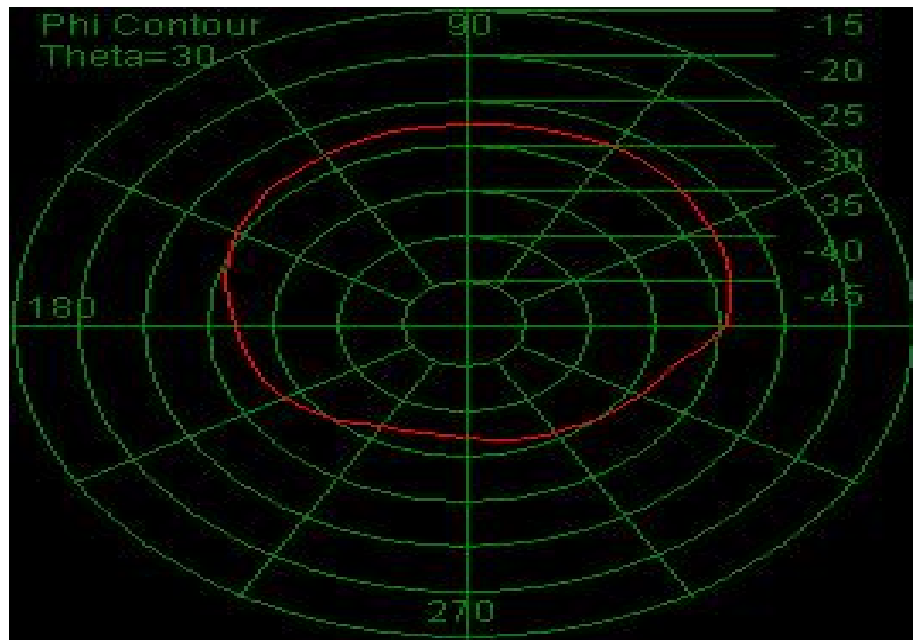
2420mhz



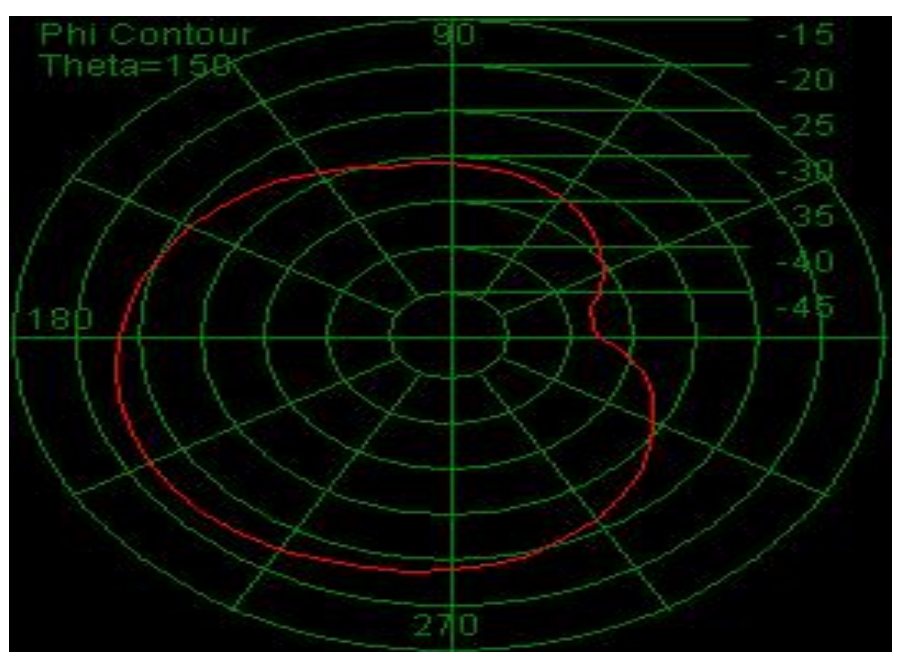
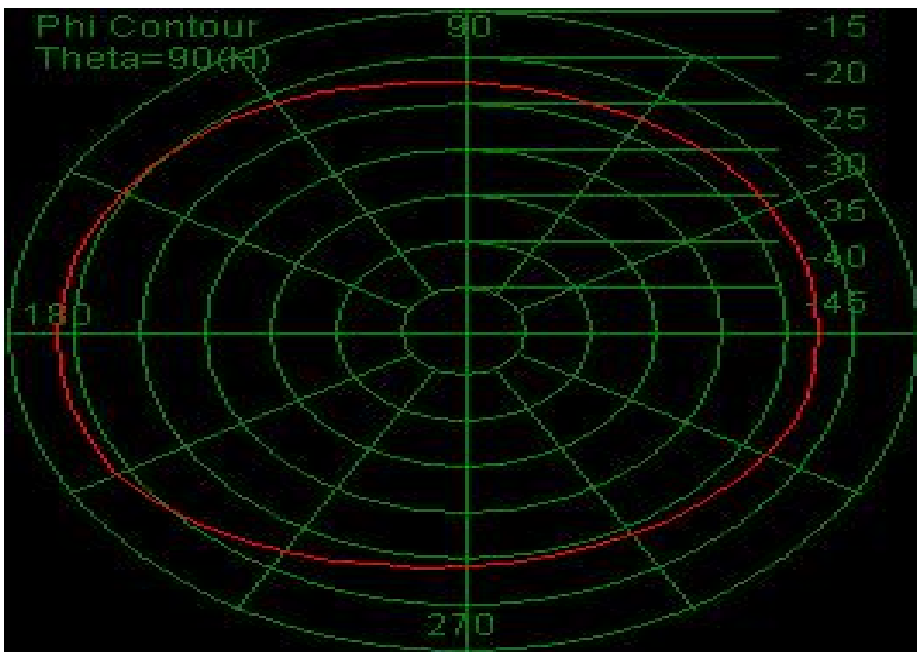
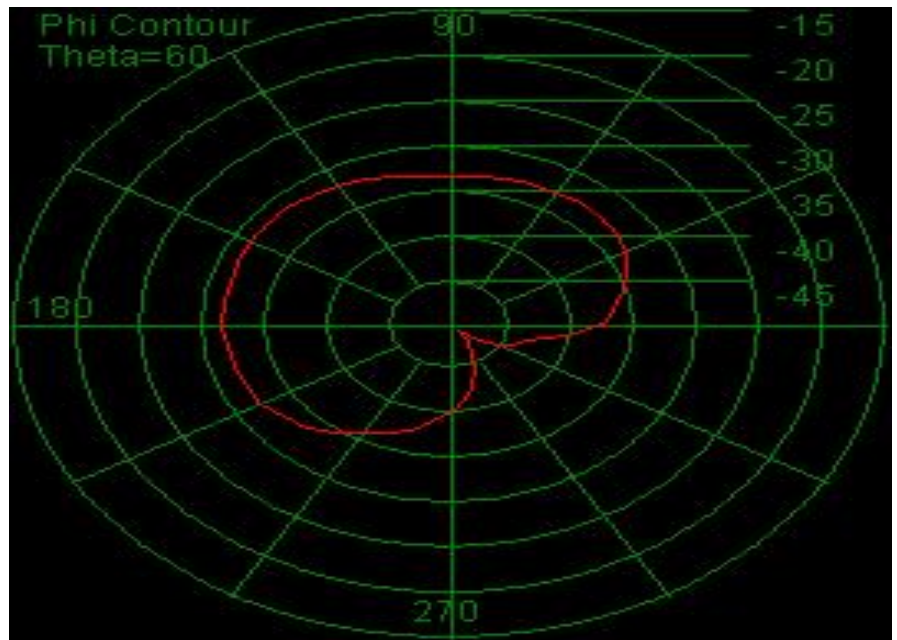
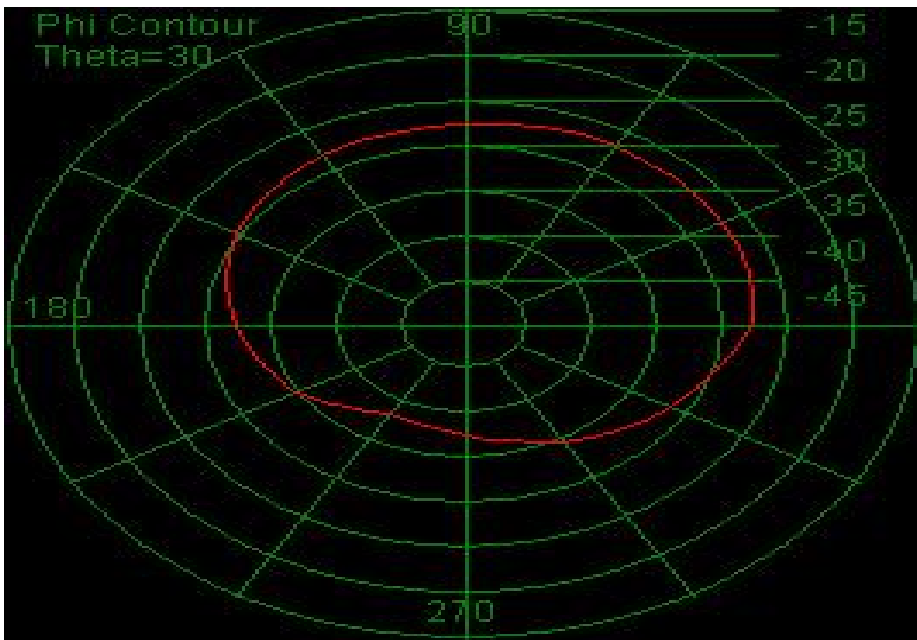
2440mhz



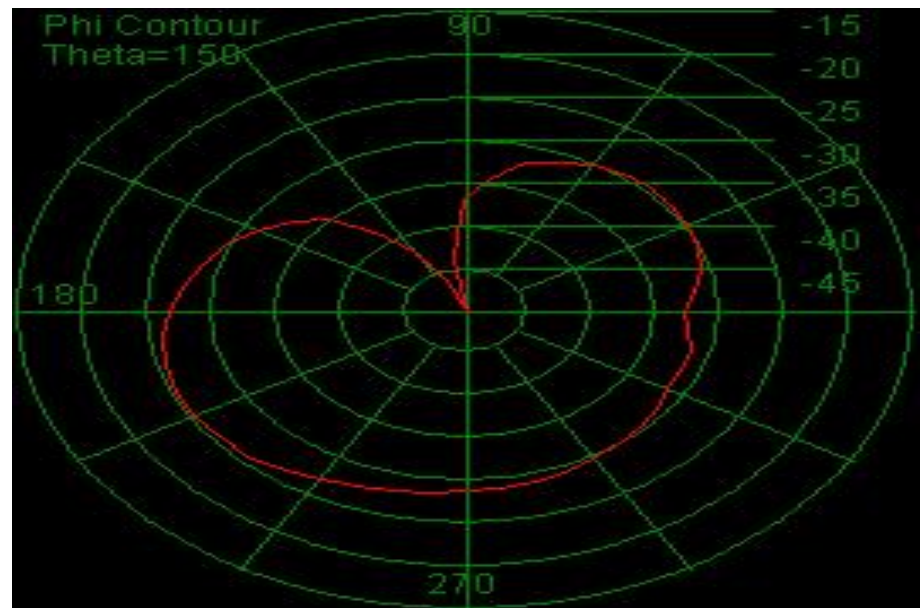
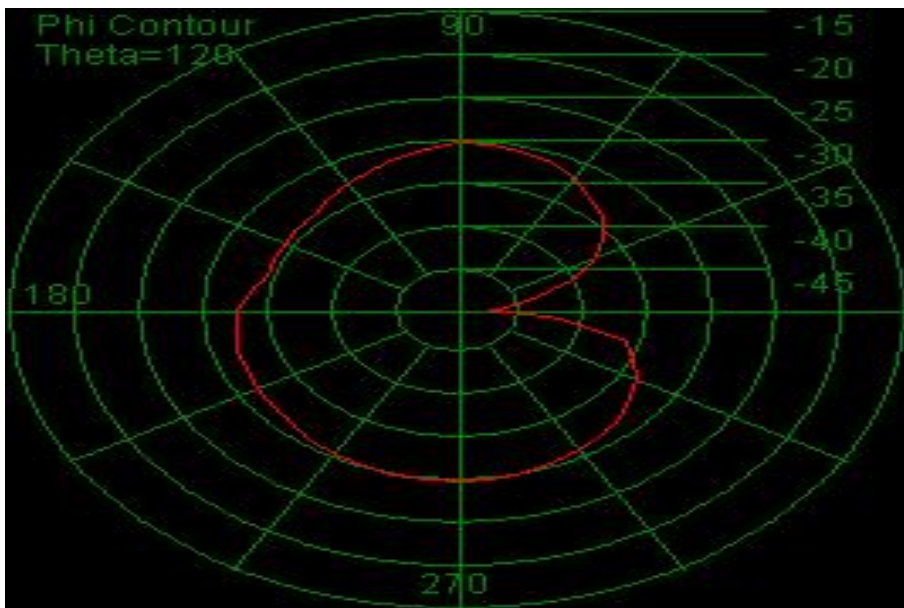
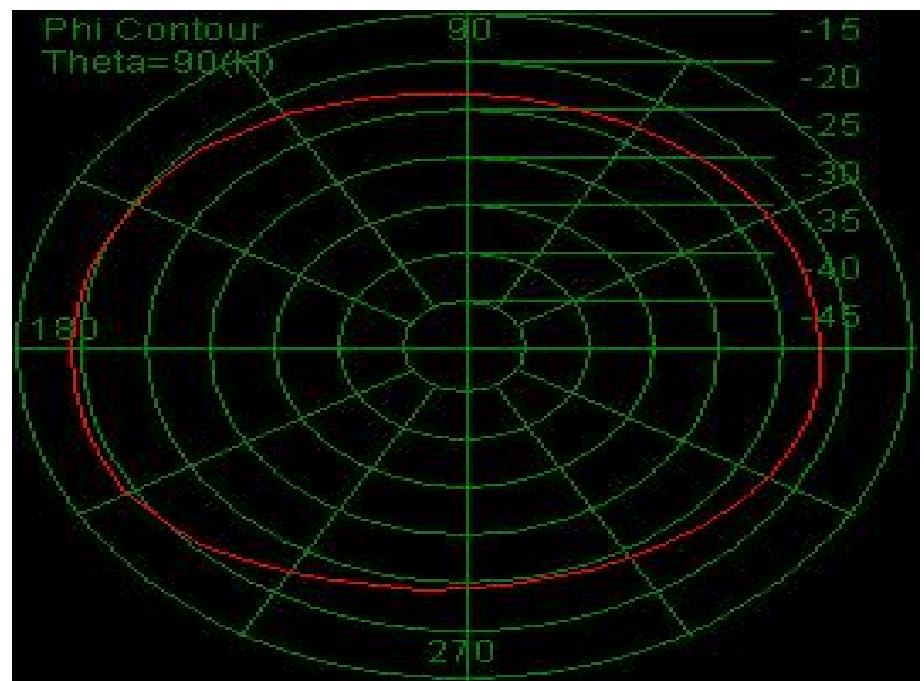
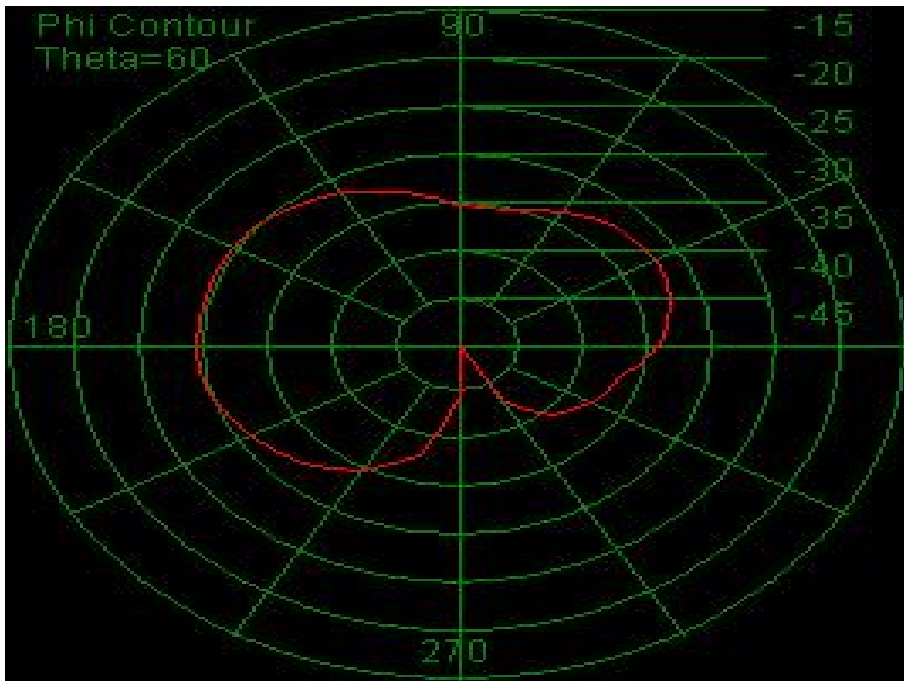
2460mhz



2480mhz



2500mhz



The end , thanks!