

			文件编号:
Specification For Approval			
客户名称: Customer:	深圳巨隆电子有限公司 Guangdong Gilong Technology Co., Ltd.		
供应商名称: Customer:	深圳市畅威达科技有限公司 Shenzhen Changweida Technology Co., Ltd		
地址: Address:	深圳市龙华区大浪街道浪口社区华盛路175号3栋302（臻嘉工业园） 302, Building 3, No. 175 Huasheng Road, Langkou Community, Dalang Street, Longhua District, Shenzhen (Zhenjia Industrial Park)		
客户料号:		供应商料号:	
产品描述:	0.81黑色3代端子 L=100MM FPC: HT-WIFI-003	配用机型:	
供应商承认(盖章):		客户承认(盖章):	
0.81黑色3代端子 L=100MM FPC: HT-WIFI-003			
制作: 曾涛	结构: 张登刚		
审核:	日期: 2025.08.13		

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产品主要技术参数

Main technical specifications

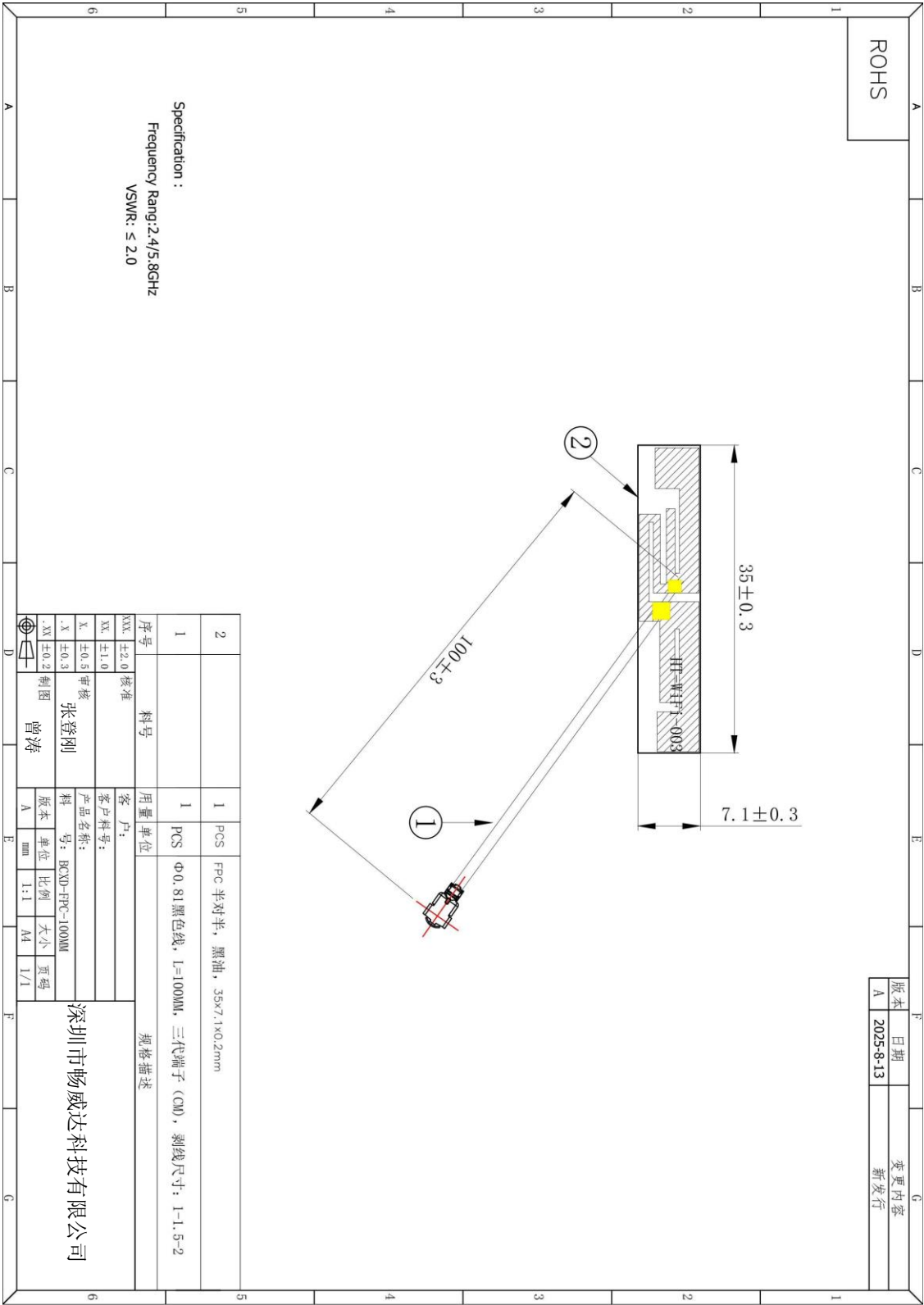
主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
中心频率 特性阻抗 (Ω)	50	Impedance(Ω)	50
增益(dBi)	2.08	Gain(dBi)	2.08
输出电压 驻波比	≤2.0	VSWR	≤2.0
极化方式	线极化	Polarization	Linear
方向性	全向性	Radiation	Omni-directional
物理性能		Physical Properties	
天线本体 材料	FPC	Antenna Base	FPC
工作温度	-20℃~+80℃	Operating Temp	-20℃~+80℃
保存温度	-20℃~+50℃	Storage Temp	-20℃~+50℃

产品主要技术参数

Main technical specifications

主要技术指标		Main technical specifications	
频率范围 (MHZ)	5150-5850	Frequency Range (MHZ)	5150-5850
中心频率 特性阻抗 (Ω)	50	Impedance(Ω)	50
增益(dBi)	1.63	Gain(dBi)	1.63
输出电压 驻波比	≤2.0	VSWR	≤2.0
极化方式	线极化	Polarization	Linear
方向性	全向性	Radiation	Omni-directional
物理性能		Physical Properties	
天线本体 材料	FPC	Antenna Base	FPC
工作温度	-20℃~+80℃	Operating Temp	-20℃~+80℃
保存温度	-20℃~+50℃	Storage Temp	-20℃~+50℃

5、成品图【End product chart】：



版本

日期

变更内容

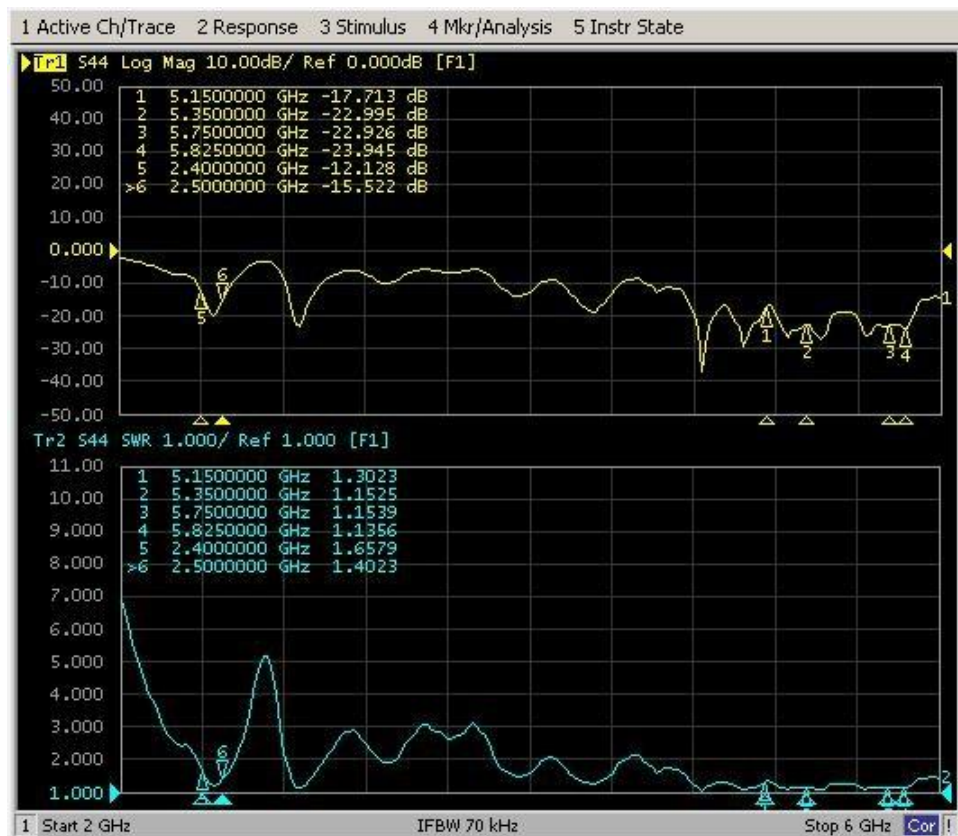
A

2025-8-13

新发行

6、测试报告【Testing report】

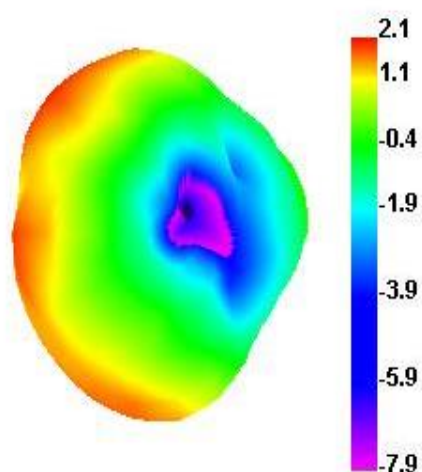
6.1 网络分析仪测试报告



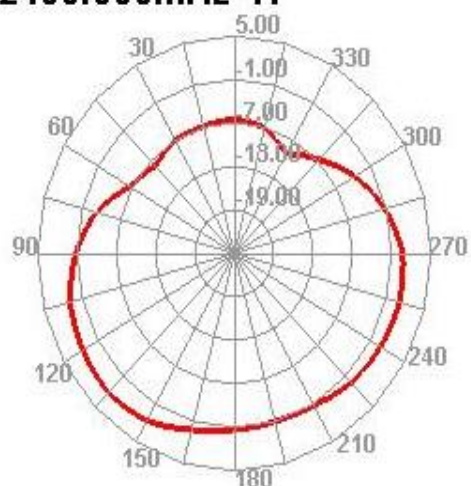
频率(MHz)	Return Loss(dB)	VSWR
2400	-12.12	1.65
2500	-15.52	1.40
5150	-17.71	1.30
5350	-22.99	1.15
5750	-22.92	1.15
5850	-15.52	1.13

6.2: 暗室 2D、3D Radiation Pattern, 效率及增益

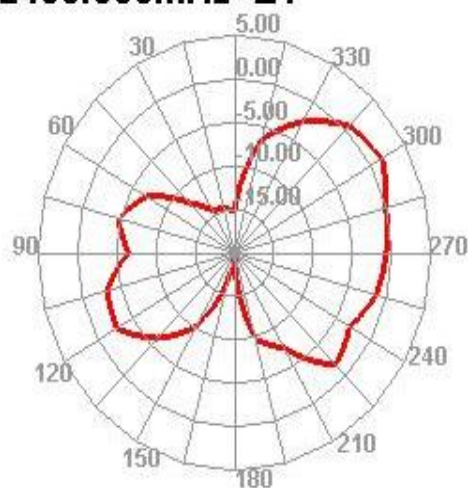
2400.000MHz



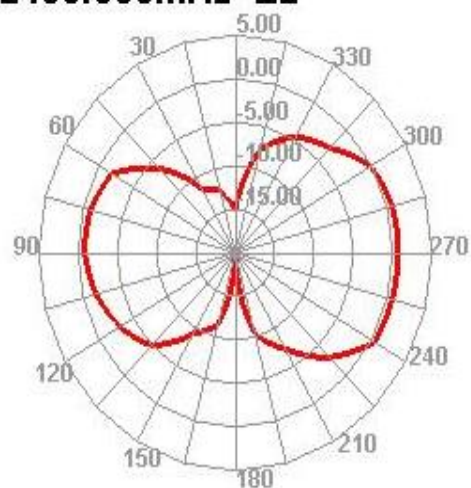
2400.000MHz H



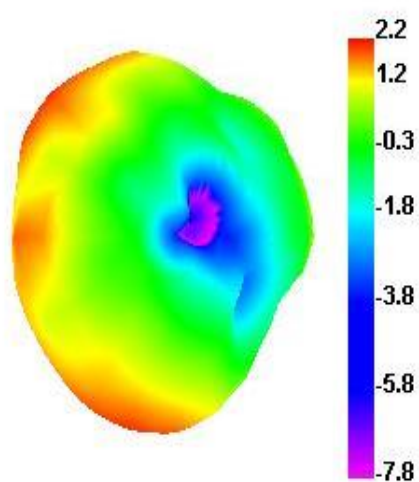
2400.000MHz E1



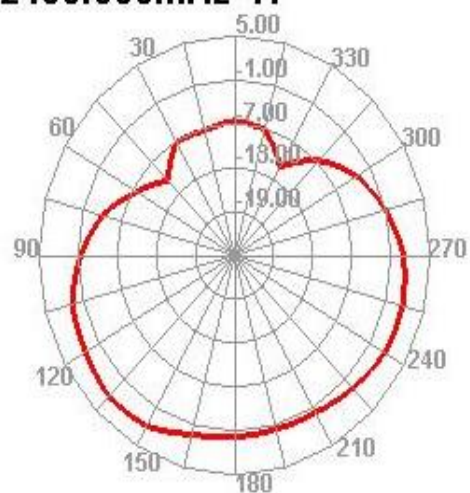
2400.000MHz E2



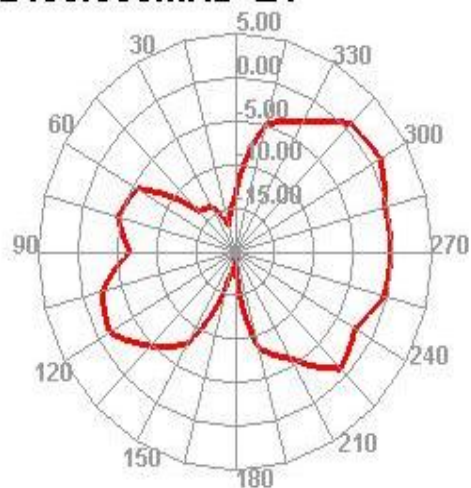
2450.000MHz



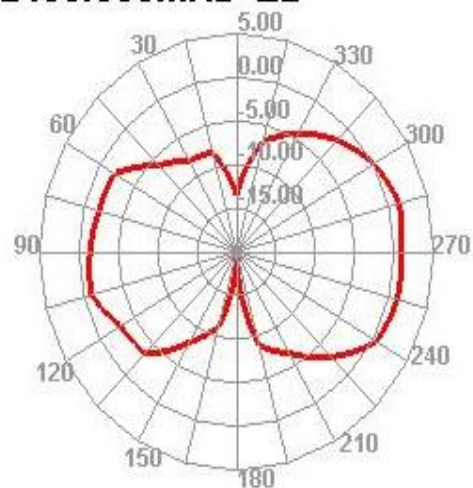
2450.000MHz H



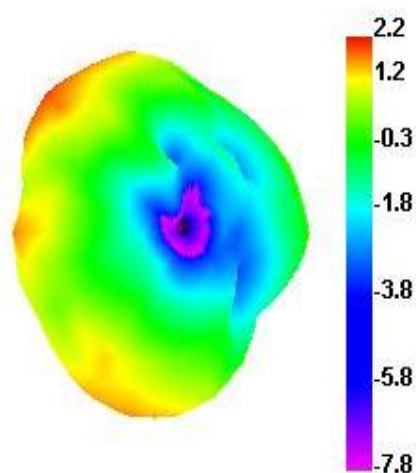
2450.000MHz E1



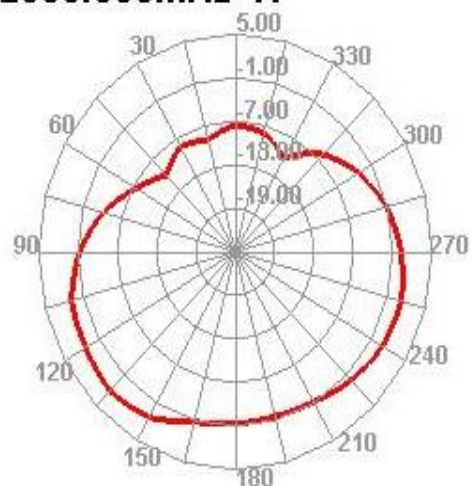
2450.000MHz E2



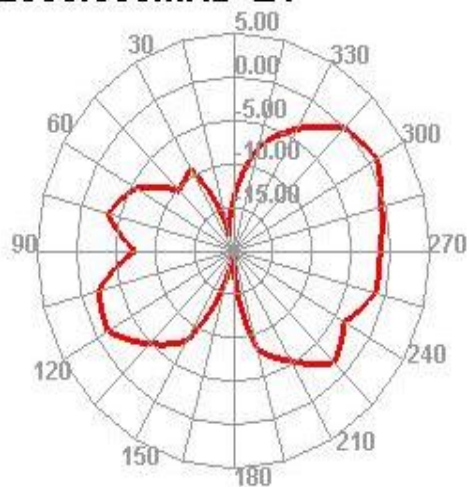
2500.000MHz



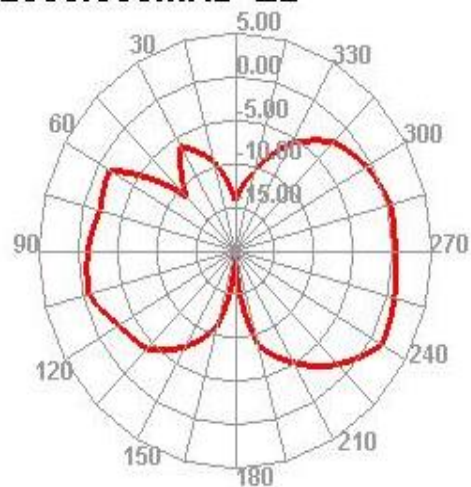
2500.000MHz H



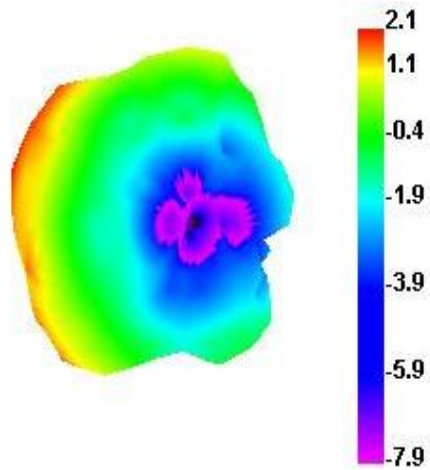
2500.000MHz E1



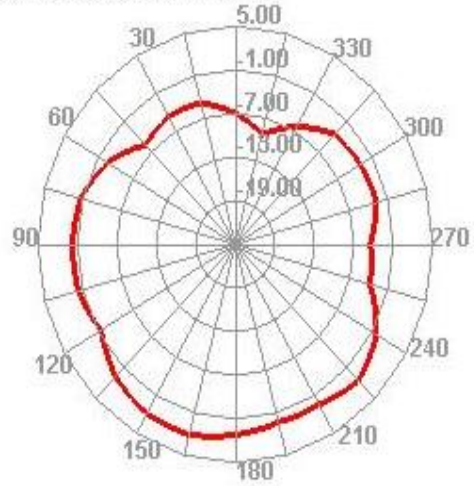
2500.000MHz E2



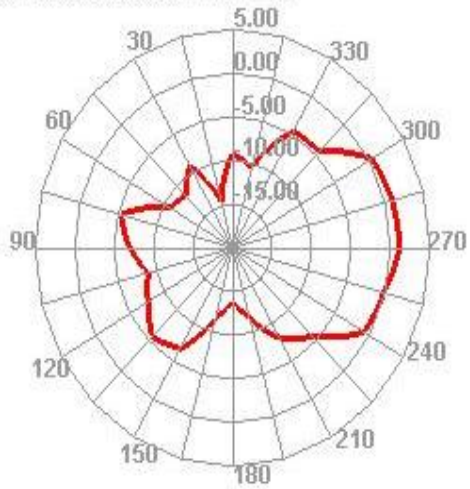
5150.000MHz



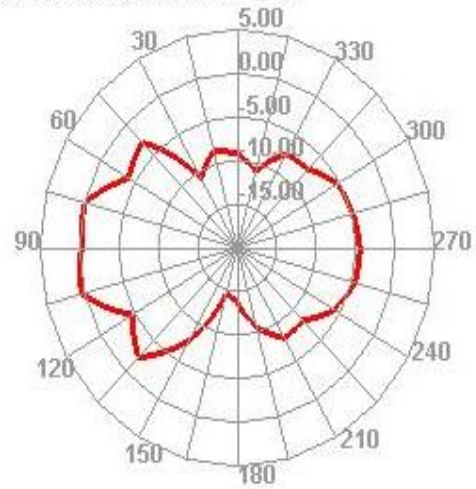
5150.000MHz H



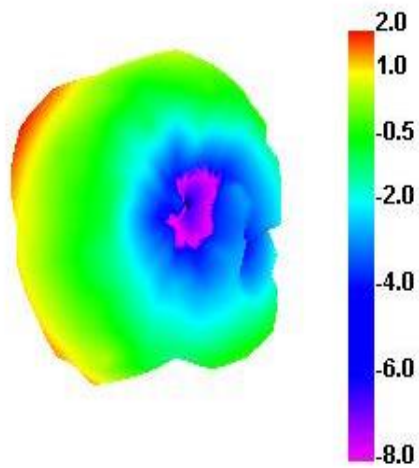
5150.000MHz E1



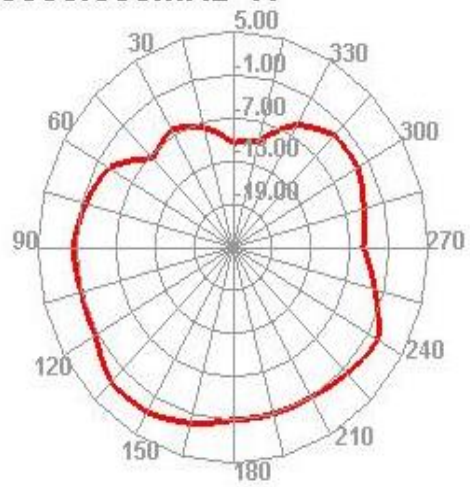
5150.000MHz E2



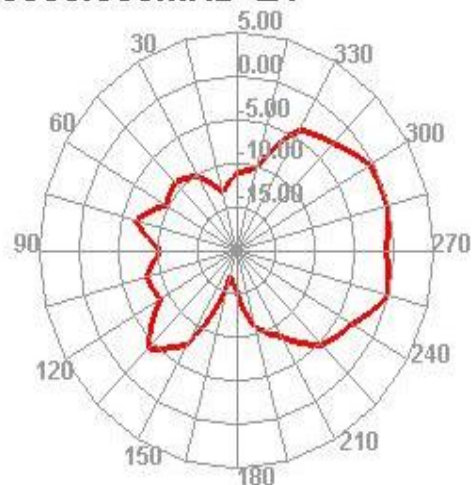
5500.000MHz



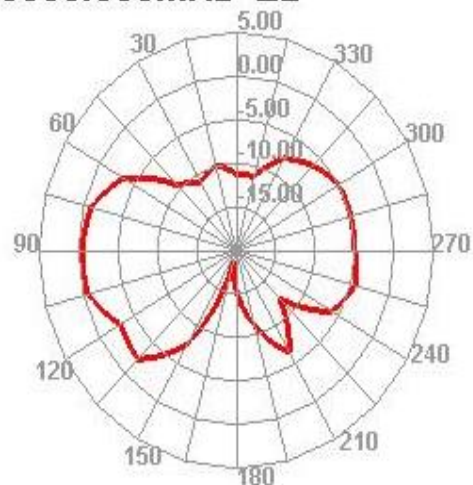
5500.000MHz H



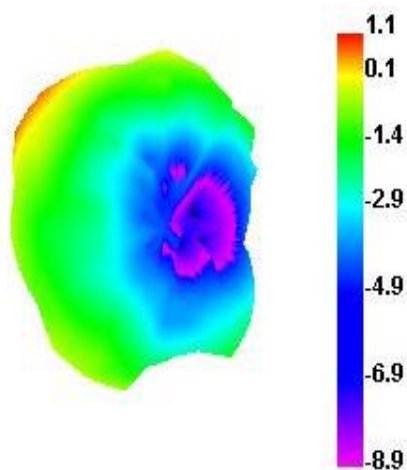
5500.000MHz E1



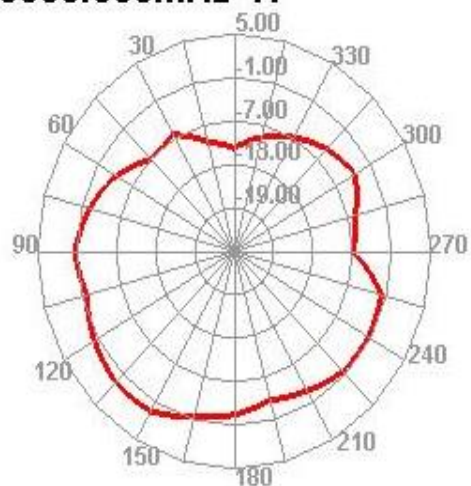
5500.000MHz E2



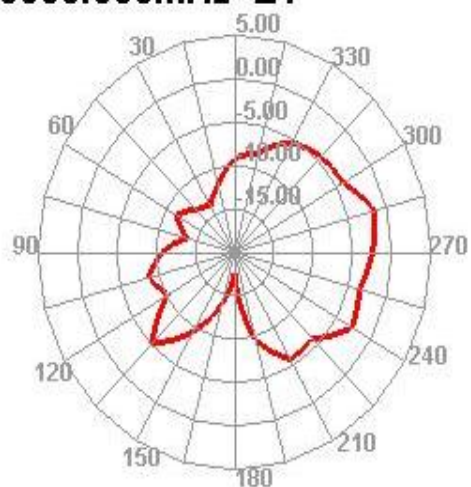
5850.000MHz



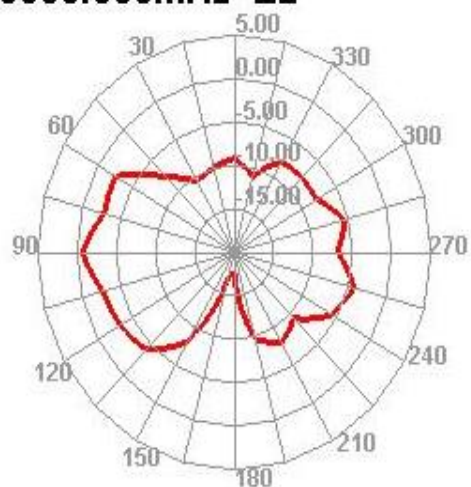
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



Frequency / MHz	Gain/ dBi	Efficiency / %
2400	2.03	48.02
2450	2.08	49.18
2500	2.05	48.03
5150	1.53	43.7
5350	1.62	42.04
5750	0.83	43.8
5850	1.06	42.2