

规格书

Specification

客户名称:
CUSTOMER:

客户料号:
CUSTOMER P/N:

客户品名:
DESCRIPTION:

捷雷料号:
JL P/N: C168-JL-7038

捷雷品名:
PART NO: NDM-WIFI 2.4G EST 天线

版本:
Revision: V1.0

核准	审核	编制
Frank	Eason	张仙
2021.09.10	2021.09.10	2021.09.10

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版本描述

日期	批准	版本	描述
2021-09-10		V1.0	初版

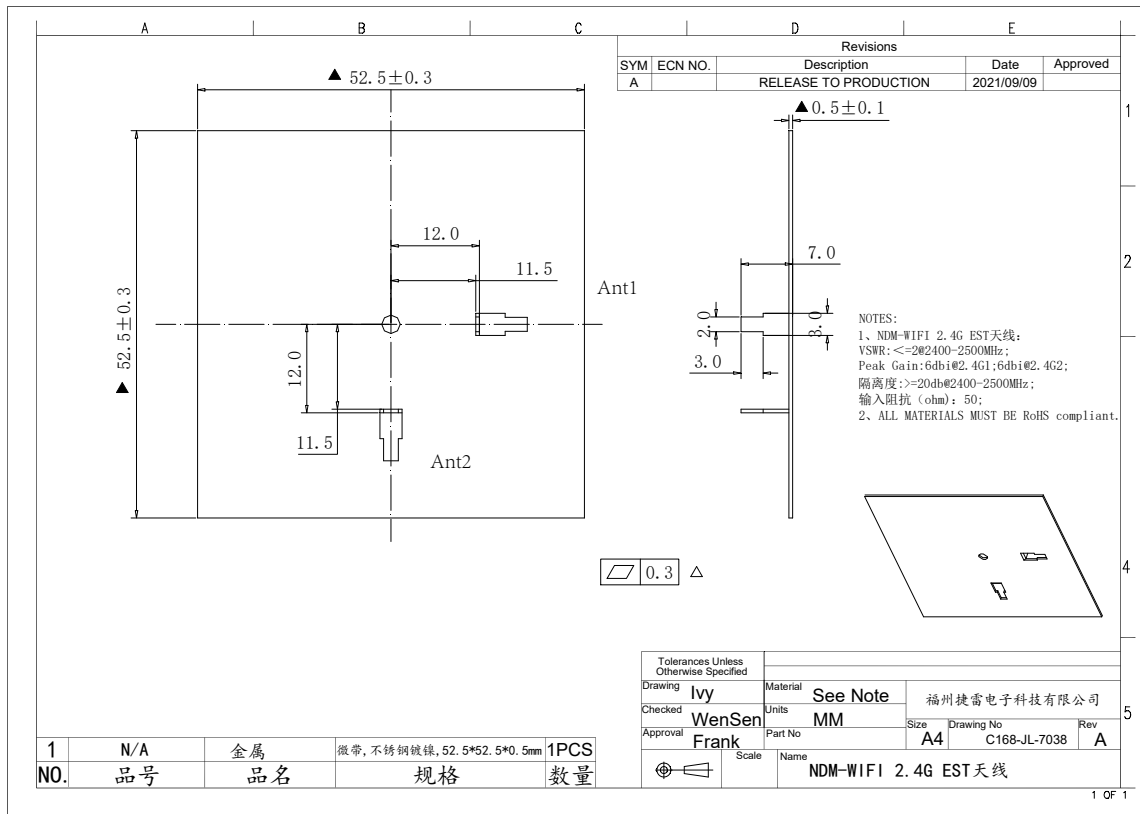
1. Product Performance

电性能指标/Electrical specifications		
天线编号 (见图纸)	2.4G1	2.4G2
频率范围(MHz)/Frequency range(MHz)	2400~2500	
电压驻波比/VSWR	≤2	
输入阻抗(Ohm)/Impedance(Ohm)	50	
增益(dBi)/Peak Gain(dBi)	6.90	6.24
极化形式/Polarization Type	Horiznotal	Vertical
水平面波瓣宽度/Horizontal Beamwidth(°)	70	
垂直面波瓣宽度/Vertical Beamwidth(°)	70	
隔离度/Isolation(dB)	≥20	
机械指标/Mechanical specifications		
天线尺寸 (mm) /Dimensions(mm)	52.5*52.5*7	
工作温度(°C)/Operation Temperature(°C)	-40~70	
存储温度(°C) /Storage Temperature (°C)	-40~70	

2. Environmental Performance Test

NO	项目 Item	测试条件 Test Condition	规格要求 Requirement	结论
1	高温测试 /High temperature test	参考 GB-T2423.2 规范，温度 70℃，测试时间 24 小时。 Refer to GB-T2423.2, the temperature is 70 °C and the time is 24 hours.	静置常温干燥后，检查外观，样品无变形、剥离、裂纹、皱纹异色、鱼鳞纹。 After drying at room temperature, check appearance, samples without deformation, stripping, cracks, wrinkles, different color, fish scale lines.	<input checked="" type="checkbox"/> 合格/Pass <input type="checkbox"/> 不合格/Fail <input type="checkbox"/> 不适用/NA
2	低温测试 /Low temperature test	参考 GB-T2423.2 规范，温度 -40℃，测试时间 24 小时。 Refer to GB-T2423.2, the temperature is -40 °C and the time is 24 hours.	静置常温干燥后，检查外观，样品无变形、剥离、裂纹、皱纹异色、鱼鳞纹。 After drying at room temperature, check appearance, samples without deformation, stripping, cracks, wrinkles, different color, fish scale lines.	<input checked="" type="checkbox"/> 合格/Pass <input type="checkbox"/> 不合格/Fail <input type="checkbox"/> 不适用/NA

3. Mechanical Dimension Drawing

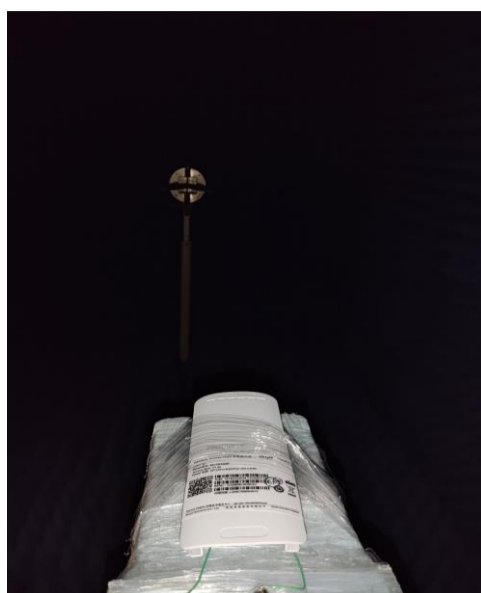
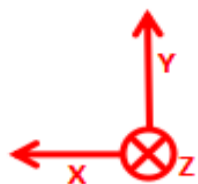




TEST Result

检测结果记录

样机信息
(含S/N号)



H: xoy
E1: xoz
E2: zoy

备注说明

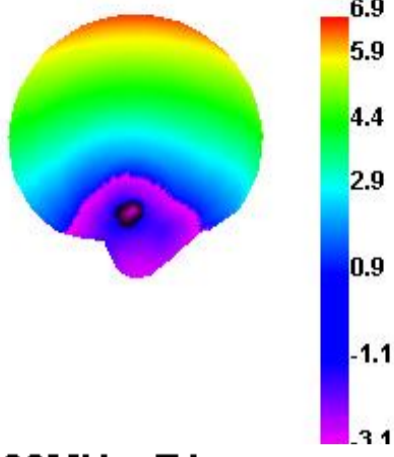
Freq (MHz)	Effi (%)	Gain (dB)	Freq (MHz)	Effi (%)	Gain (dB)	Freq (MHz)	Effi (%)	Gain (dB)
2400	70.96	6.9	2440	68.01	6.7	2480	63.68	6.52
2410	70.46	6.89	2450	68.8	6.76	2490	61.54	6.37
2420	70.15	6.85	2460	66.72	6.66	2500	58.79	6.15
2430	69.41	6.8	2470	64.36	6.54			

2.4G antennal

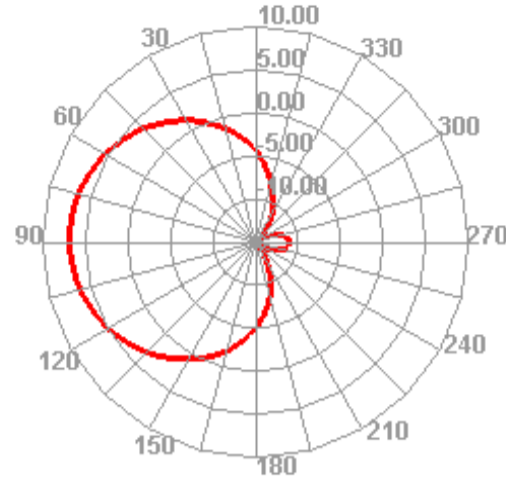
检测人员/日期

/20230504

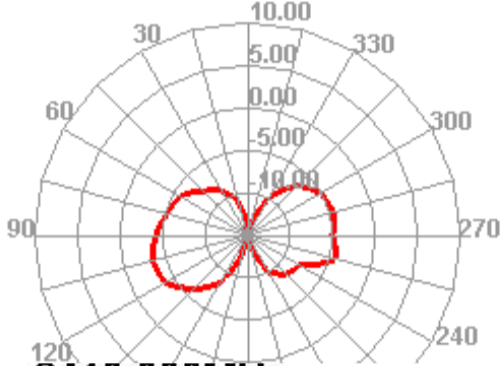
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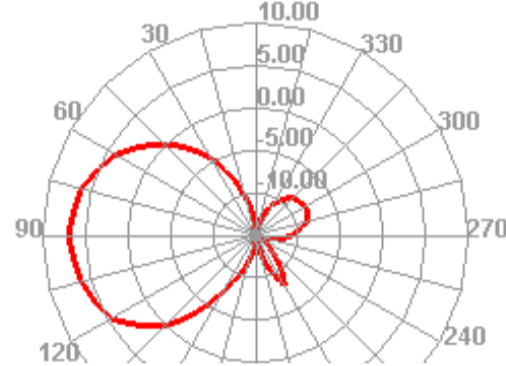
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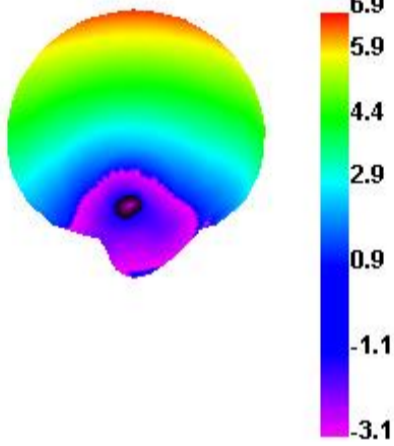
2400.000MHz E1



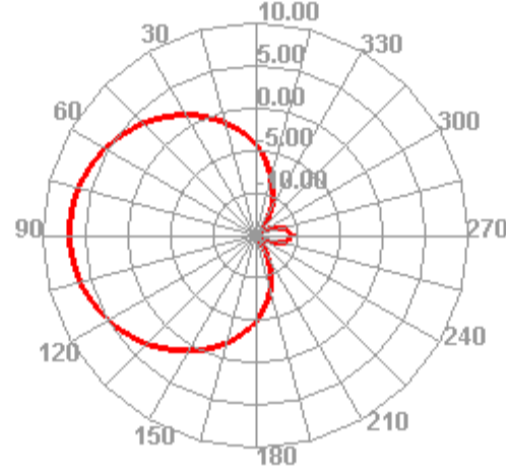
2400.000MHz E2



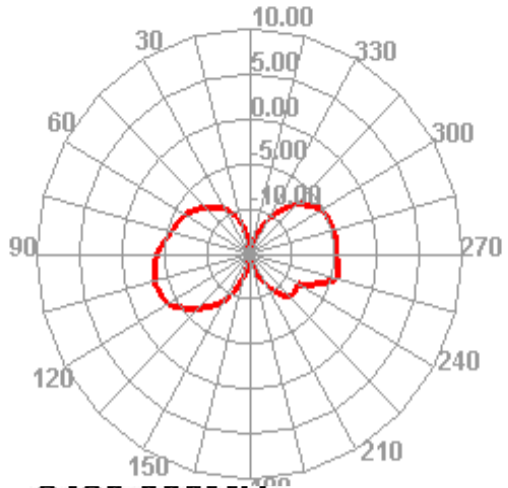
2410.000MHz



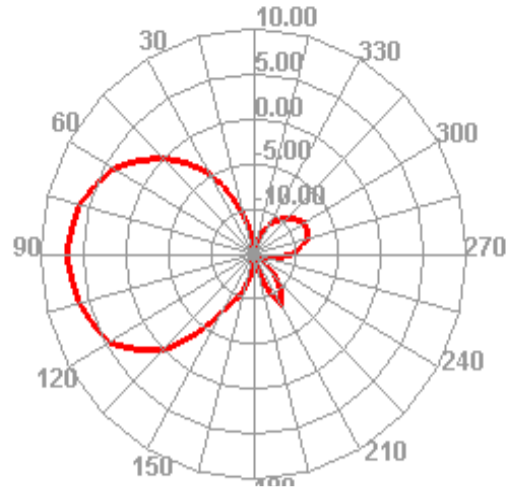
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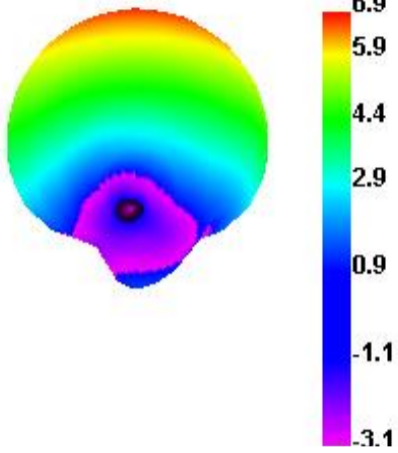
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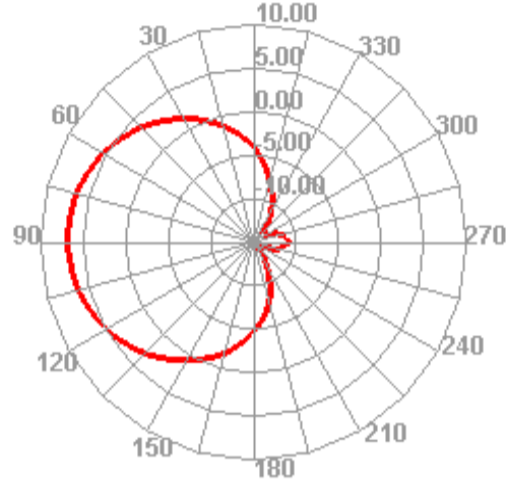
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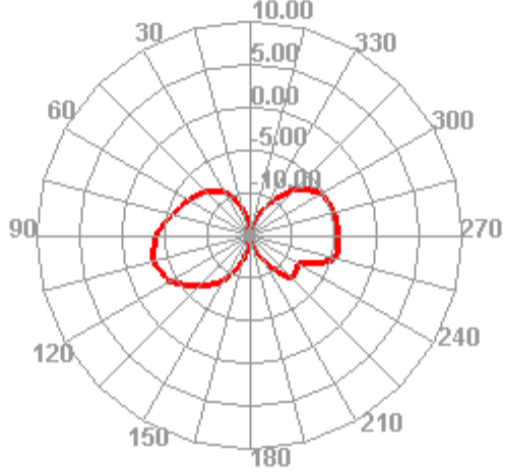
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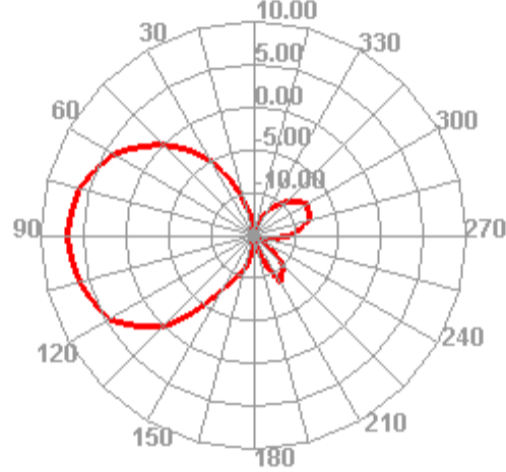
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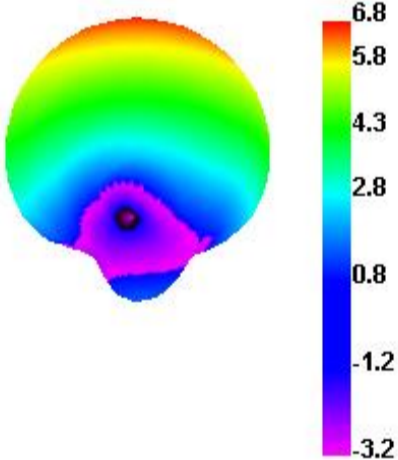
2420.000MHz E1



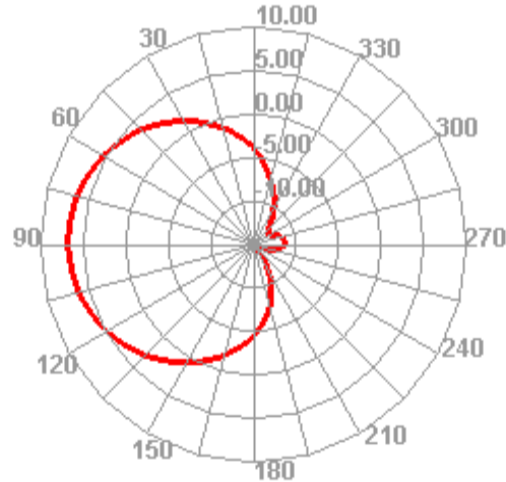
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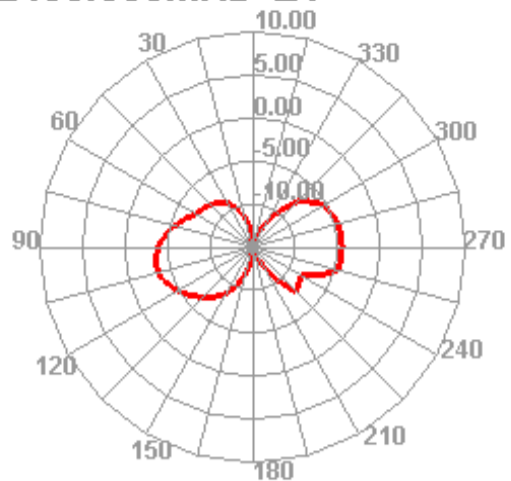
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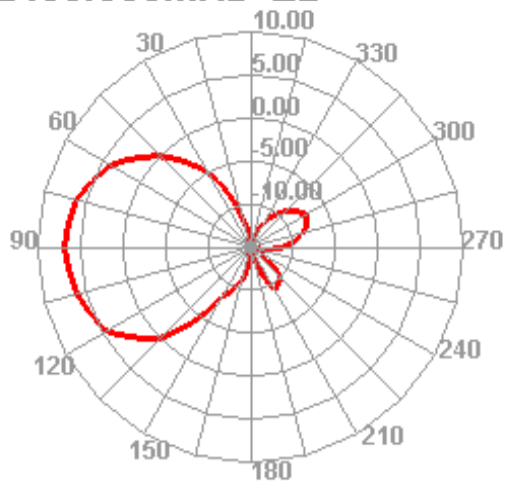
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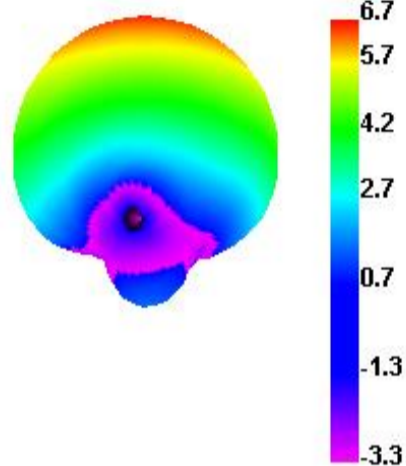
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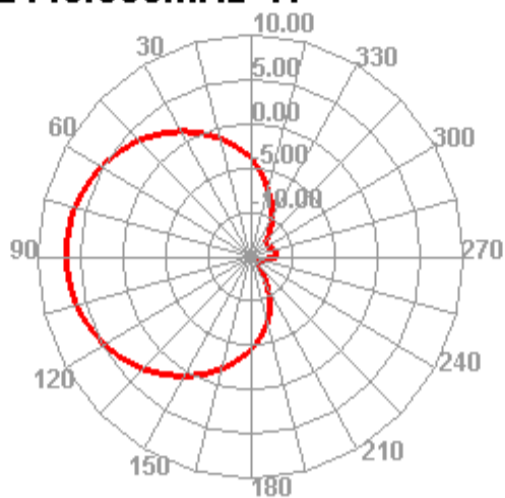
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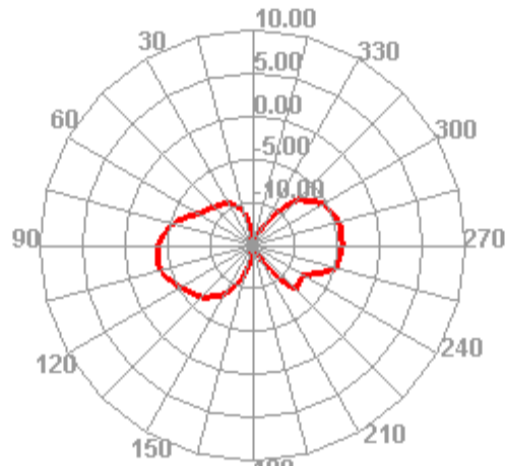
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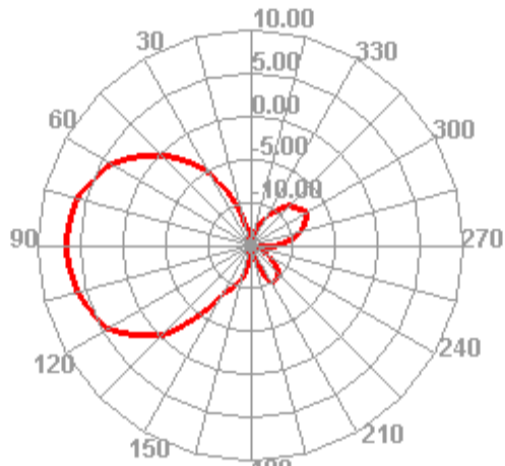
2440.000MHz H



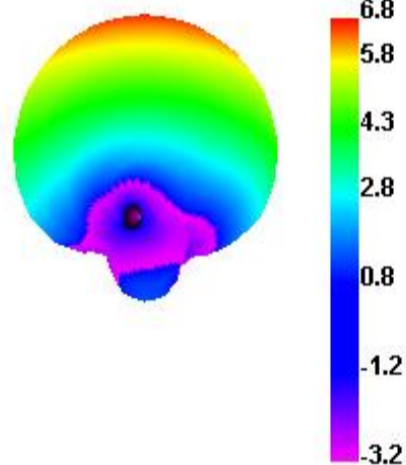
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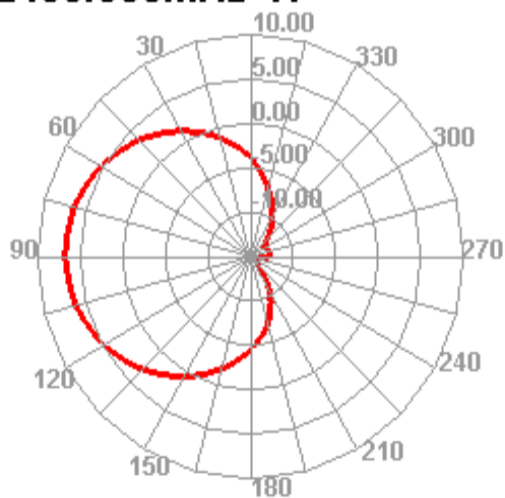
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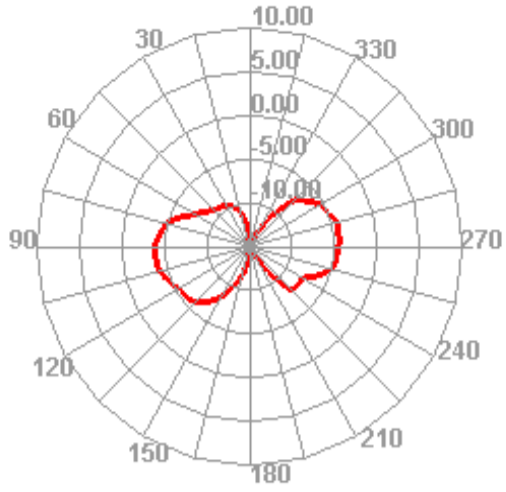
2450.000MHz



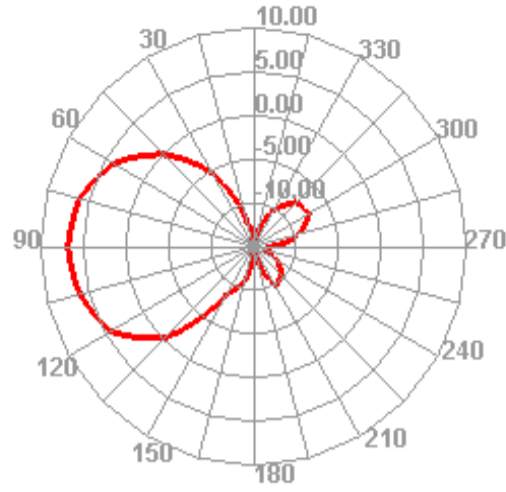
2450.000MHz H



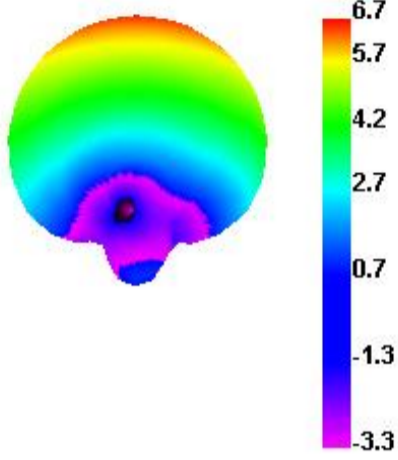
2450.000MHz E1



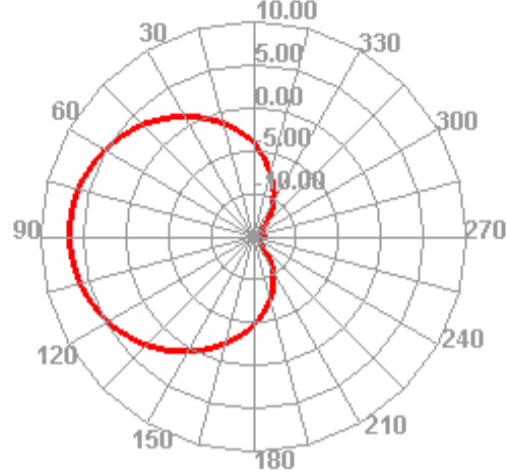
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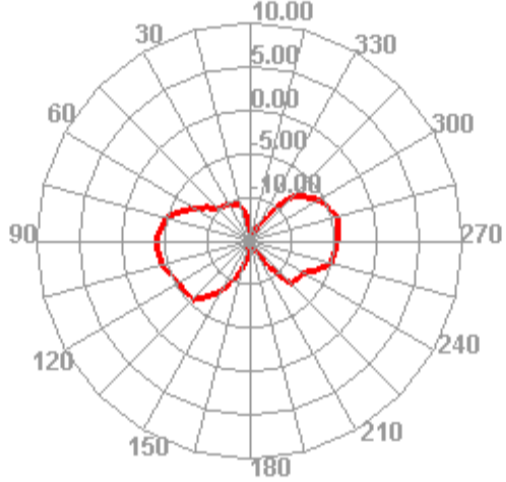
2460.000MHz



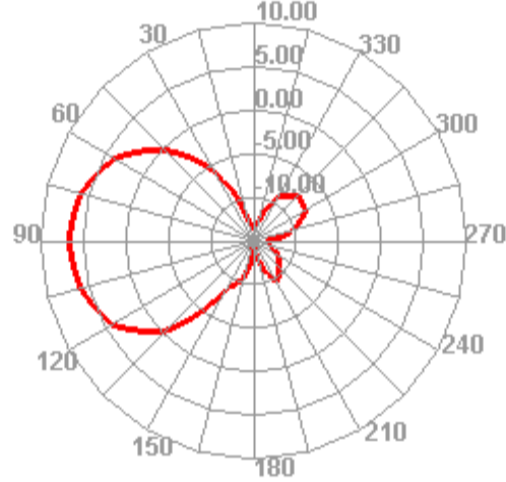
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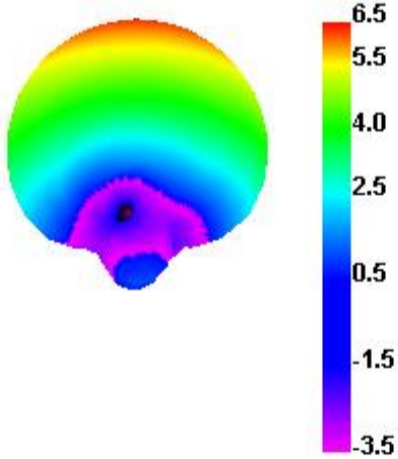
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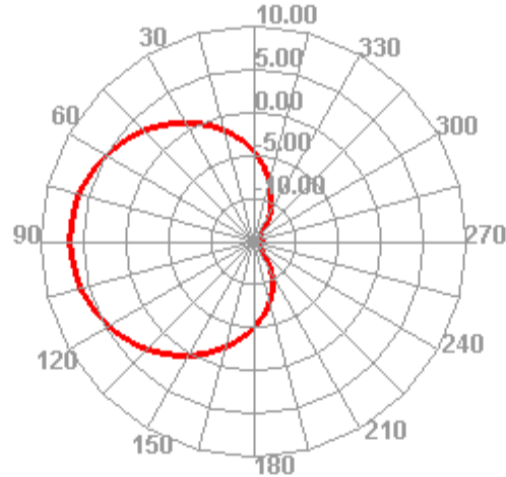
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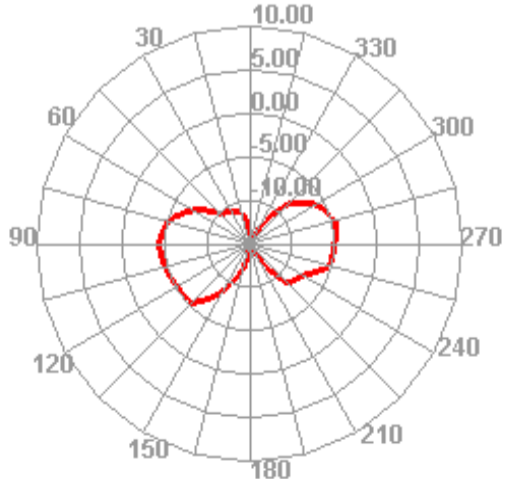
2470.000MHz



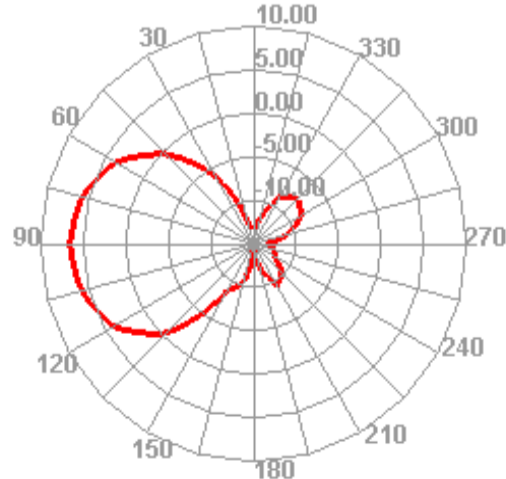
2470.000MHz H



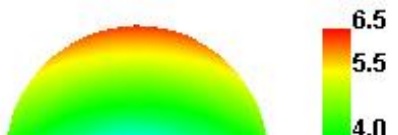
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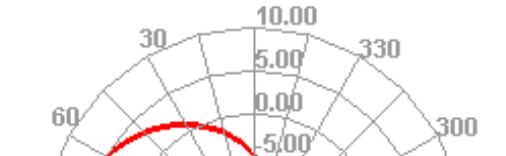
2470.000MHz E2

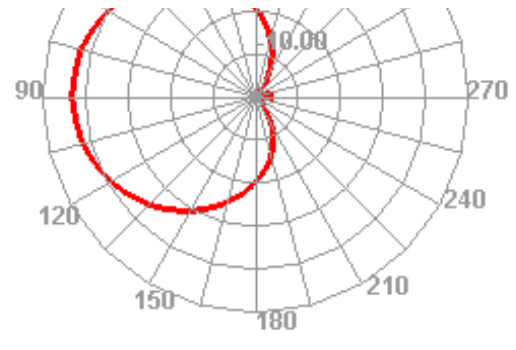
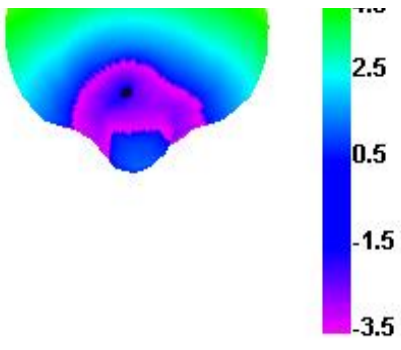


2480.000MHz



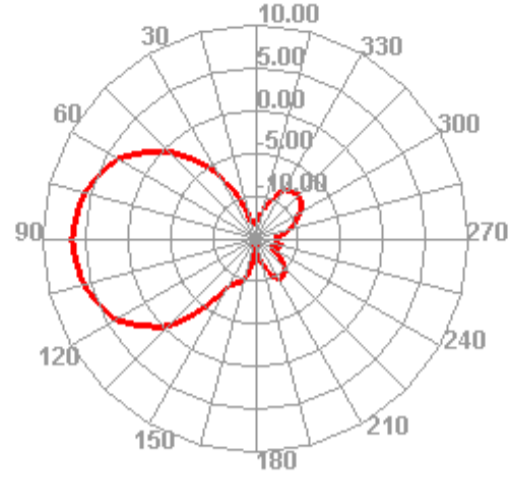
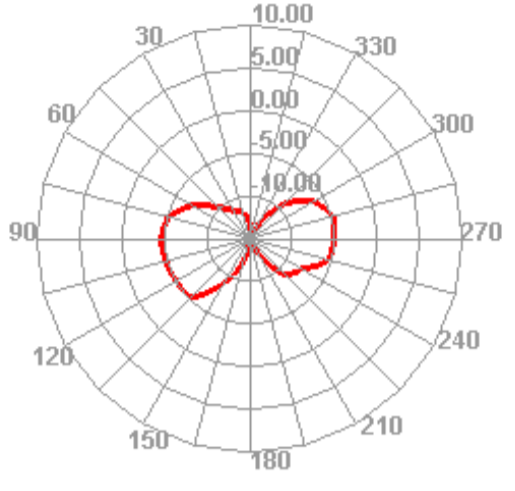
2480.000MHz H





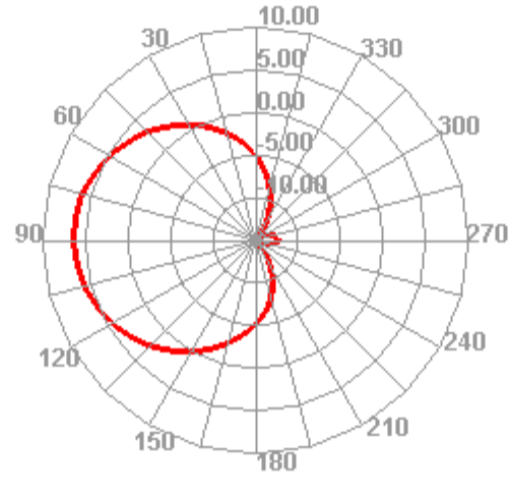
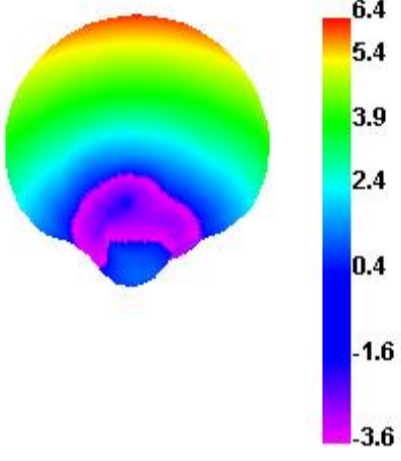
2480.000MHz E1

2480.000MHz E2

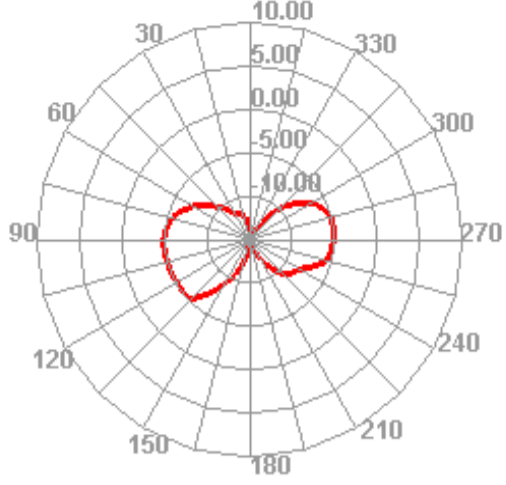


2490.000MHz

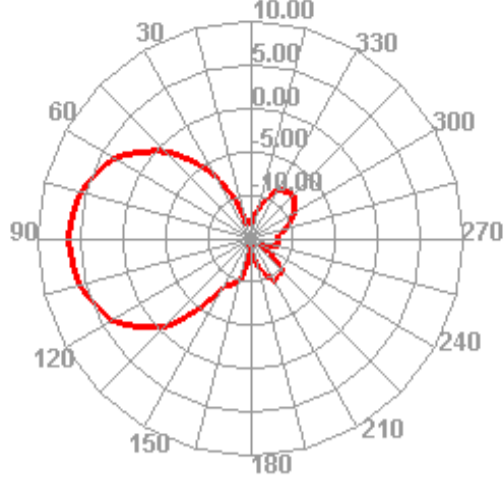
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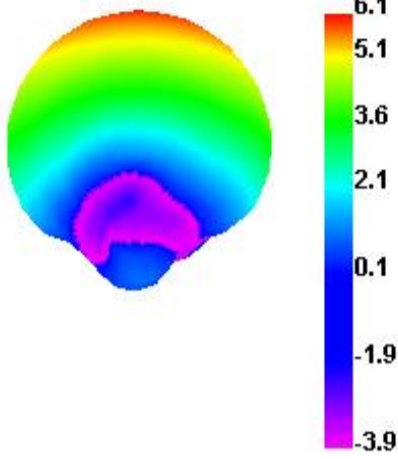
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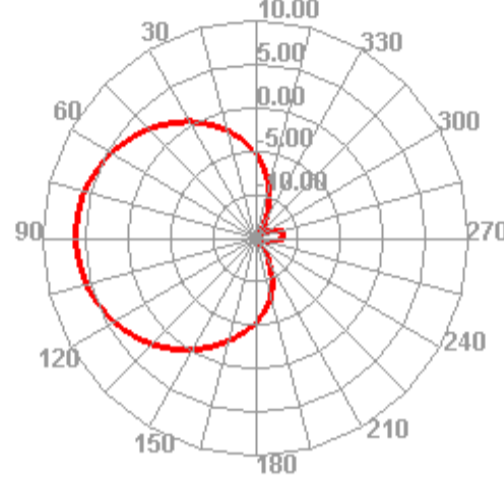
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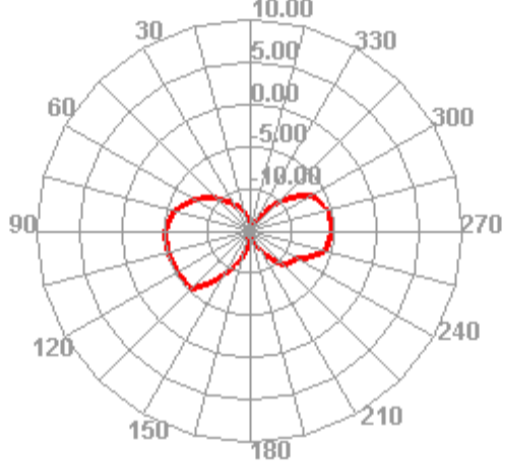
2500.000MHz



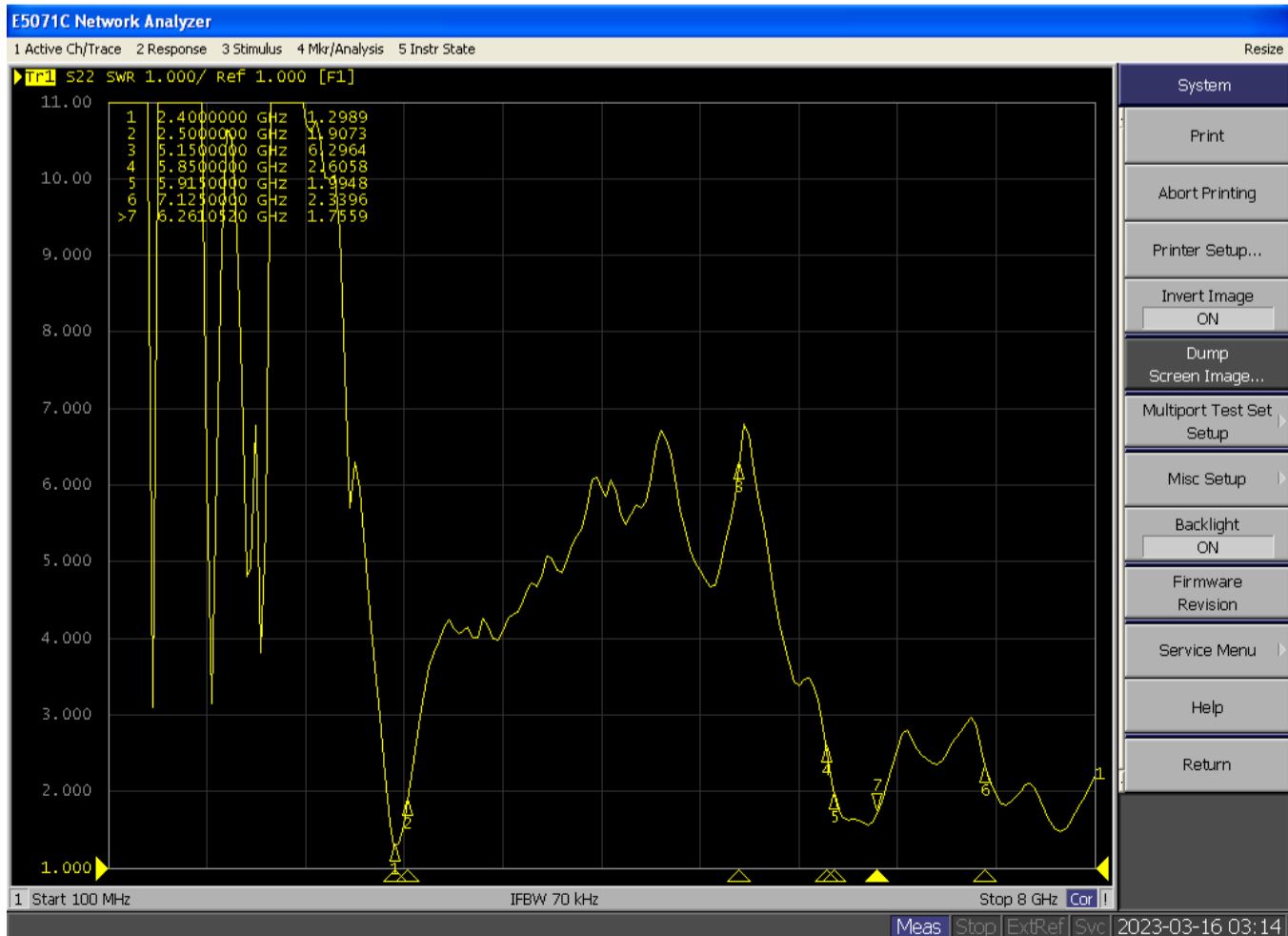
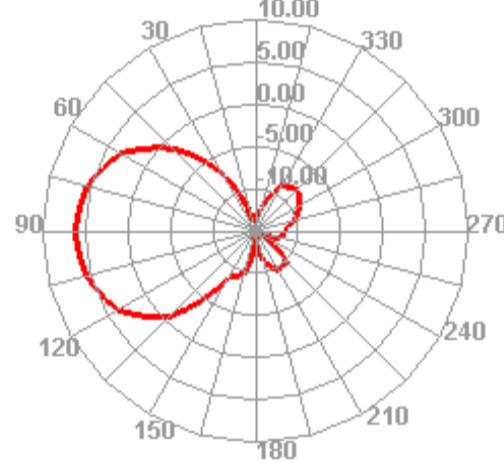
2500.000MHz H



2500.000MHz E1

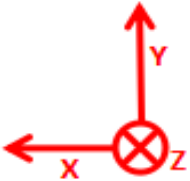



2500.000MHz E2





检测结果记录表

申请人/送样人	\	软件版本		硬件版本	—
样机信息 (含S/N号)	  <p>H: xoy E1: xoz E2: zoy</p>				

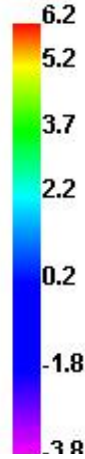
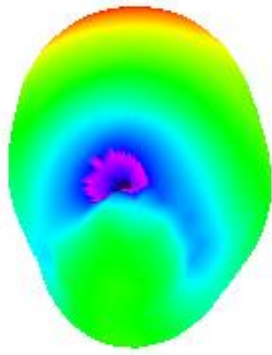
备注说明

Freq (MHz)	Effi (%)	Gain (dB)	Freq (MHz)	Effi (%)	Gain (dB)	Freq (MHz)	Effi (%)	Gain (dB)
2400	64.12	6.24	2440	61.5	5.92	2480	57.97	5.59
2410	63.52	6.2	2450	62.26	5.94	2490	56.22	5.49
2420	62.8	6.12	2460	60.62	5.78	2500	53.82	5.35
2430	62.52	6.05	2470	58.68	5.63			

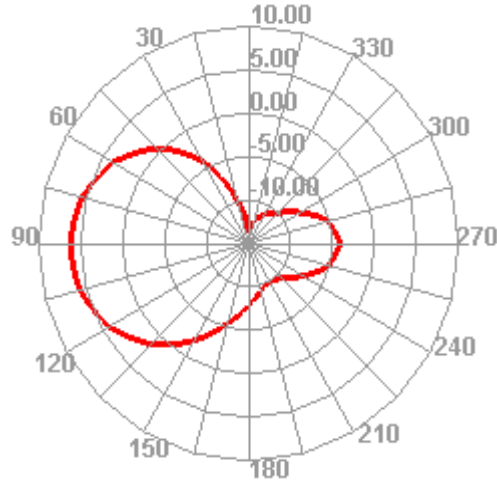
2.4G antenna 2

检测人员/日期 /20230504

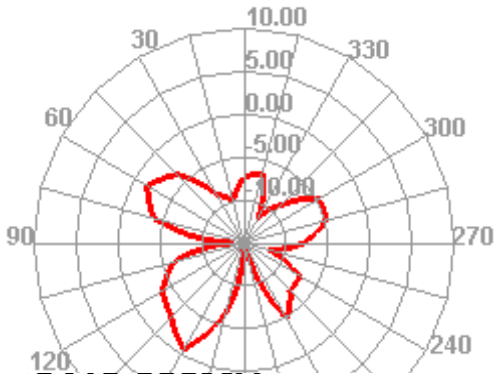
2400.000MHz



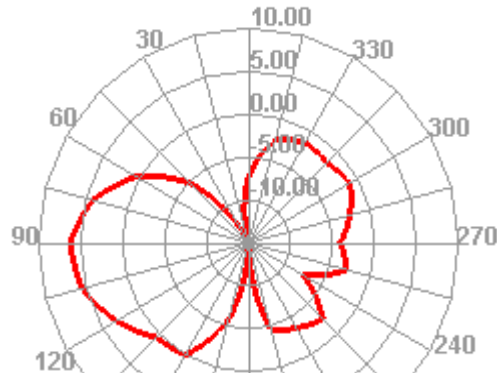
2400.000MHz H



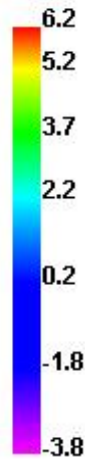
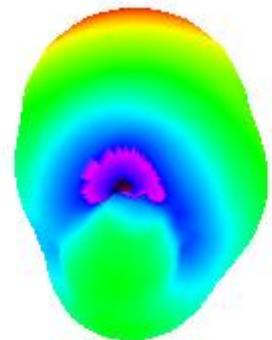
2400.000MHz E1



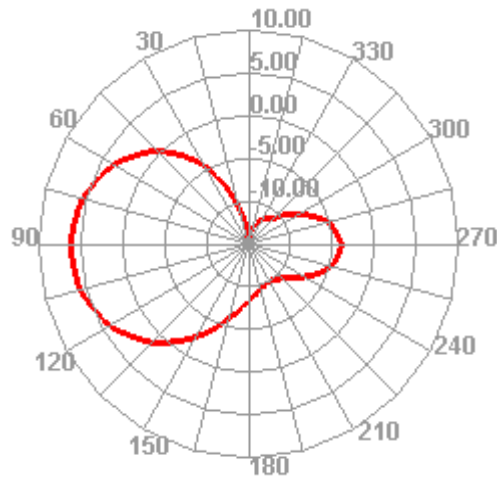
2400.000MHz E2



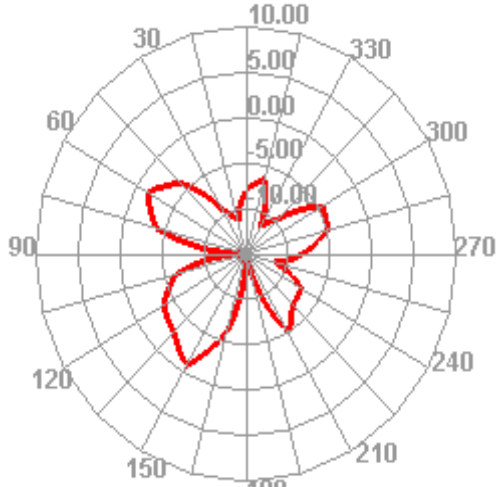
2410.000MHz



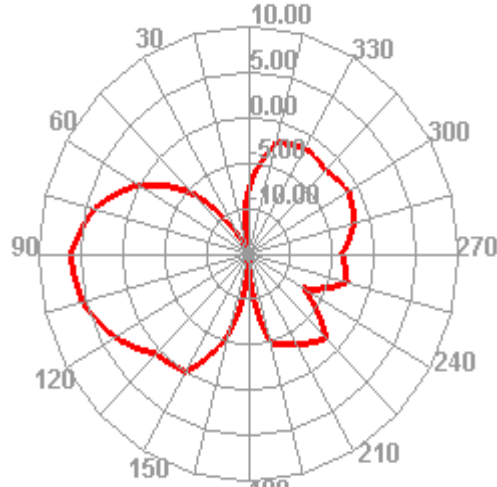
2410.000MHz H



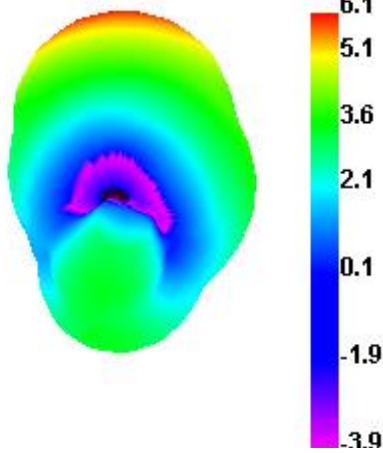
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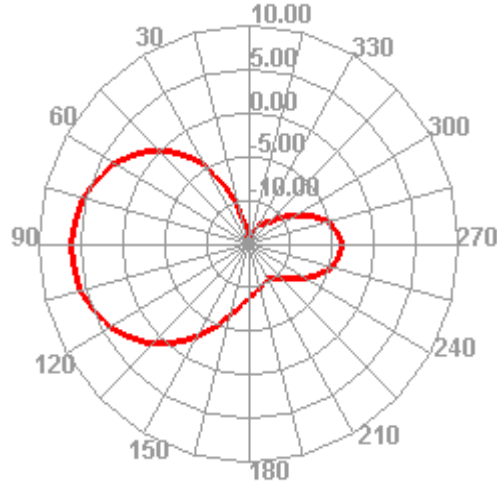
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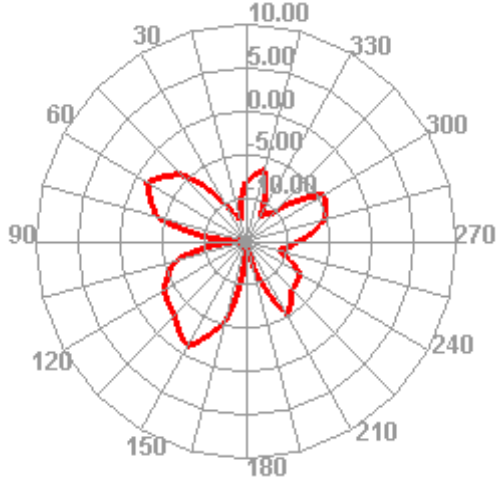
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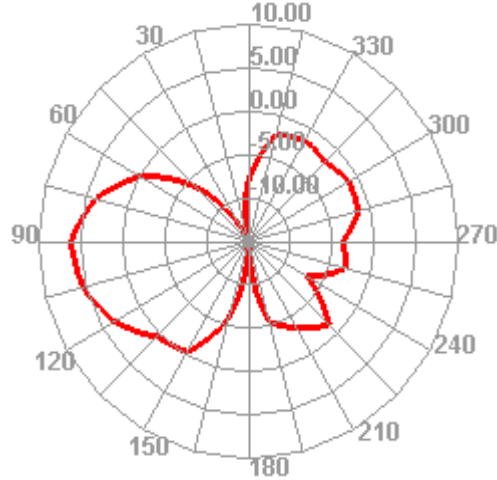
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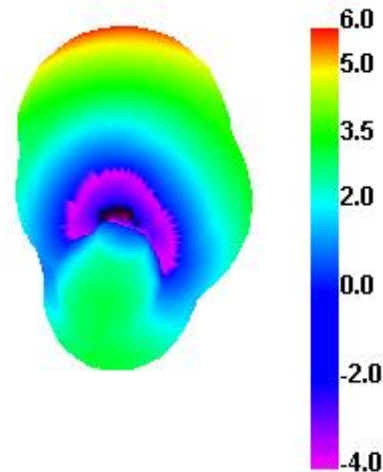
2420.000MHz E1



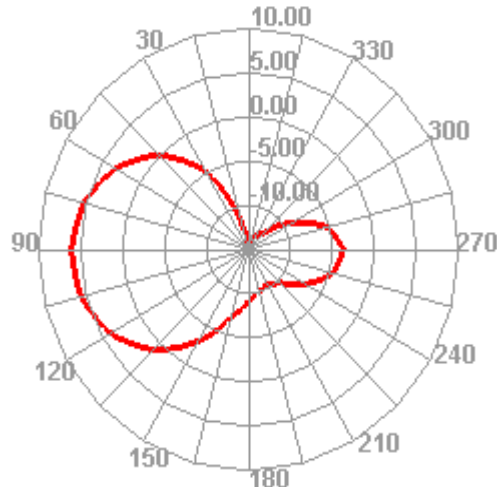
2420.000MHz E2



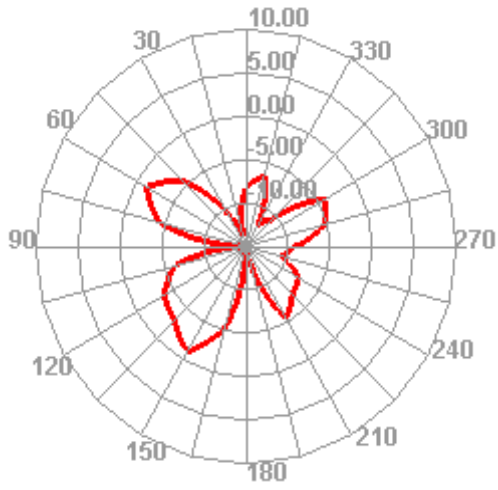
2430.000MHz



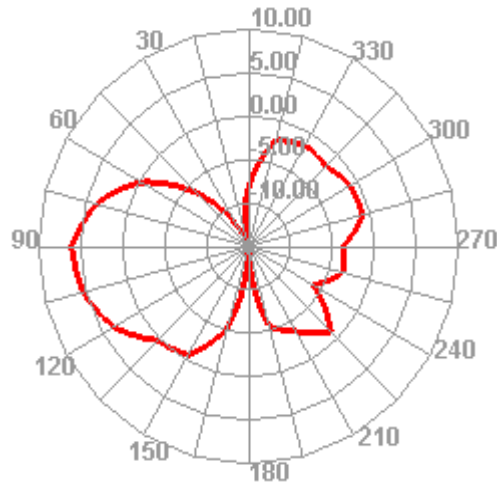
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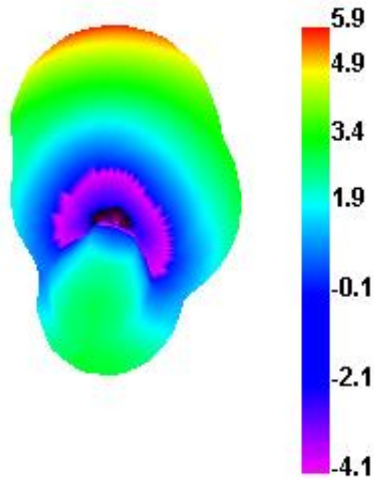
2430.000MHz E1



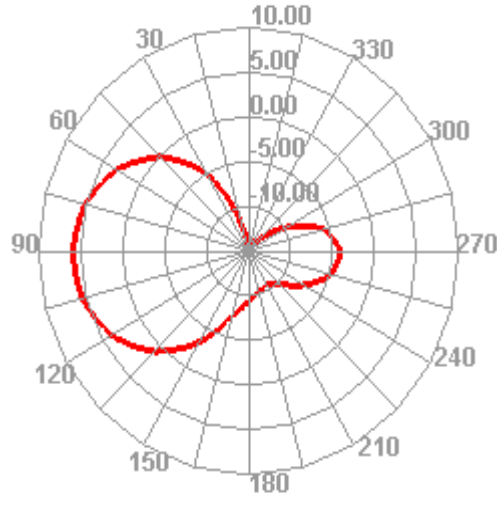
2430.000MHz E2



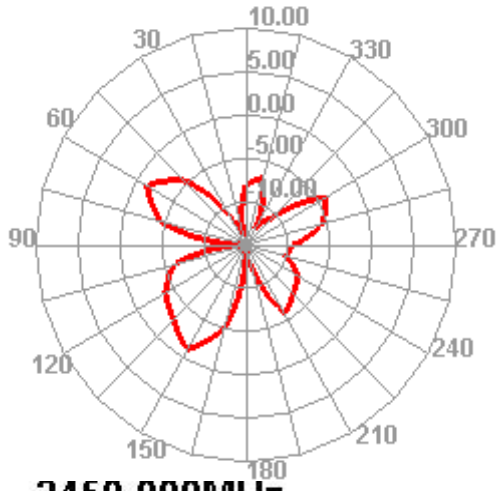
2440.000MHz



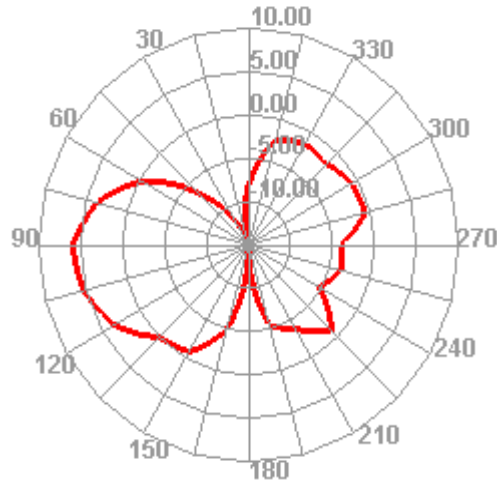
2440.000MHz H



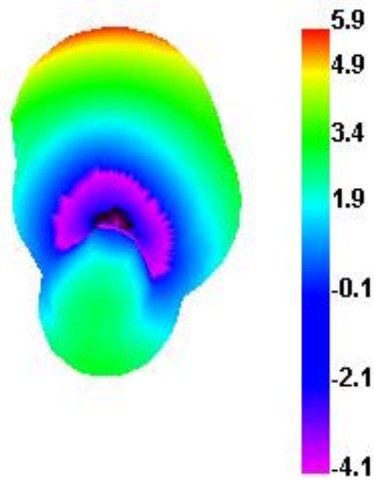
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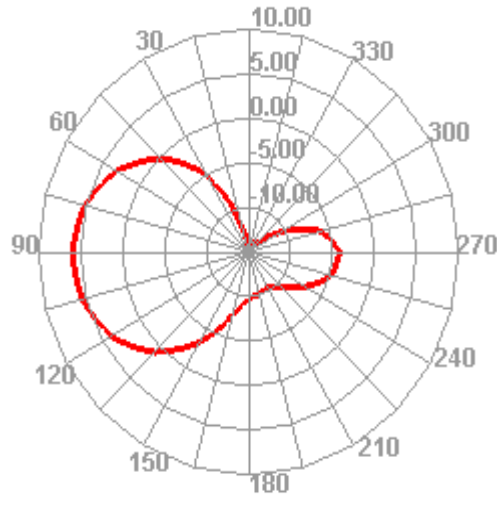
2440.000MHz E2



2450.000MHz



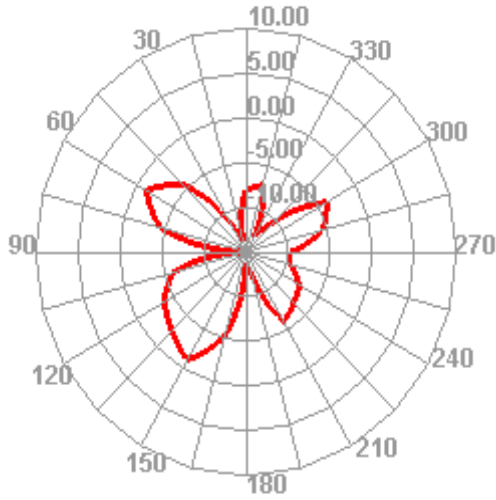
2450.000MHz H



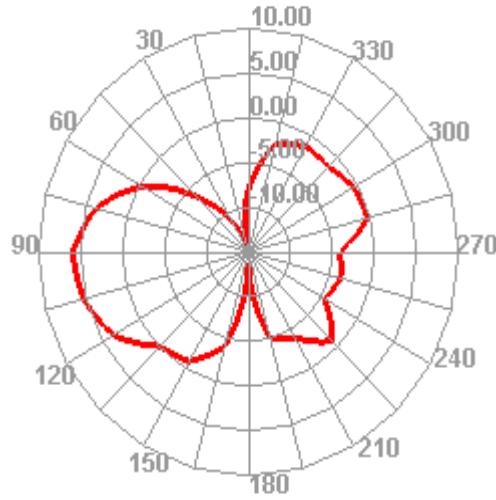
2450.000MHz E1

2450.000MHz E2

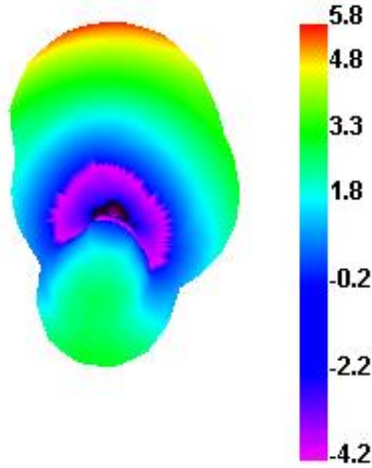
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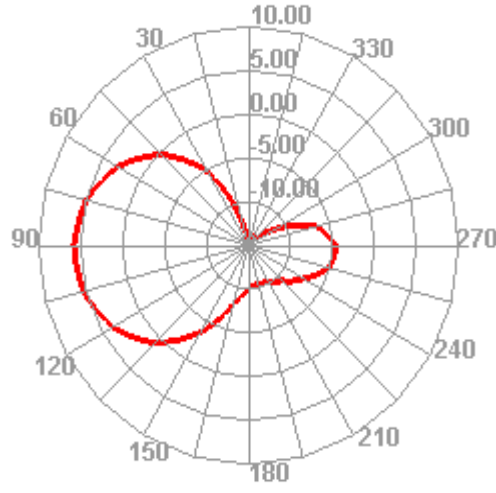
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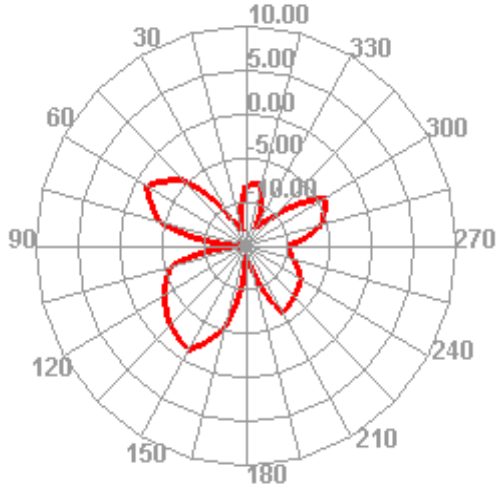
2460.000MHz



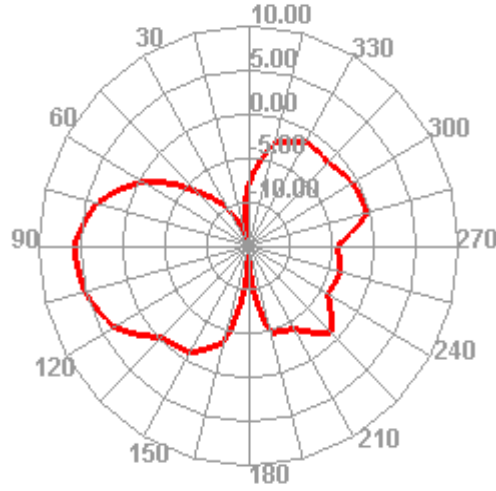
2460.000MHz H



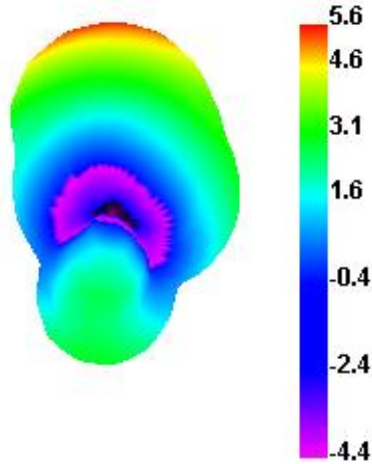
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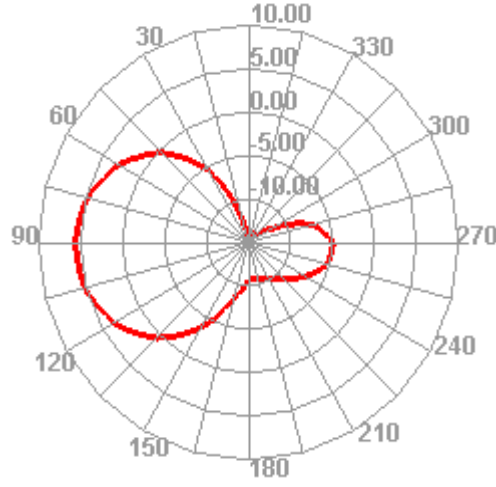
2460.000MHz E2



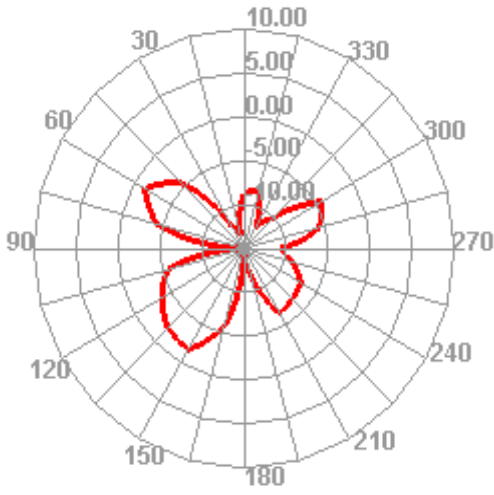
2470.000MHz



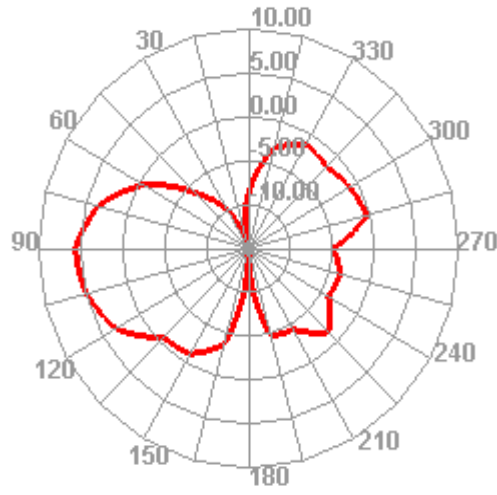
2470.000MHz H



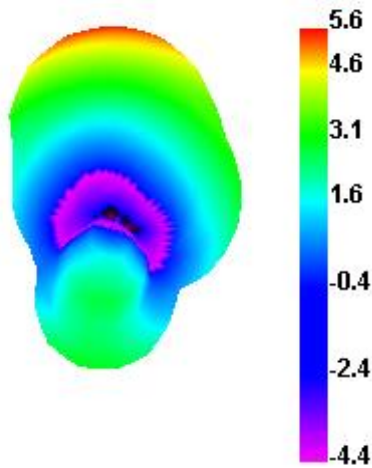
2470.000MHz E1



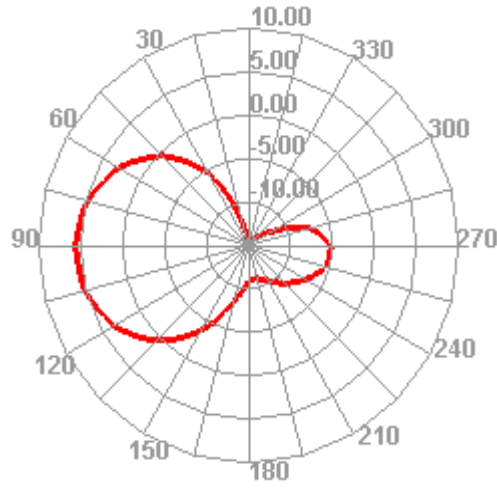
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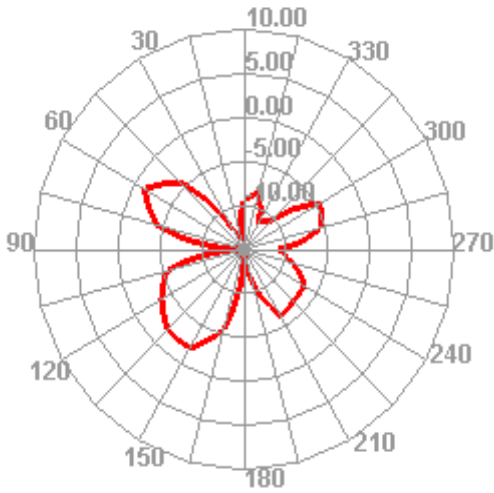
2480.000MHz



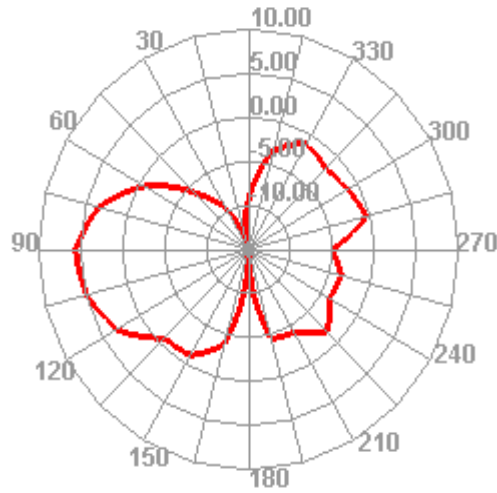
2480.000MHz H



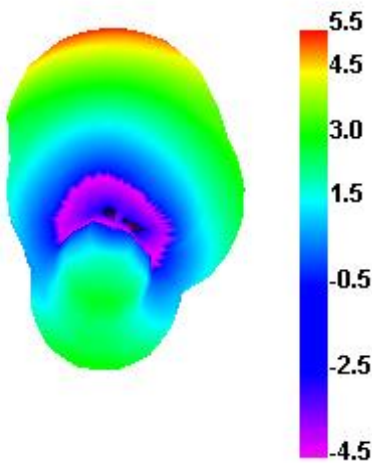
2480.000MHz E1



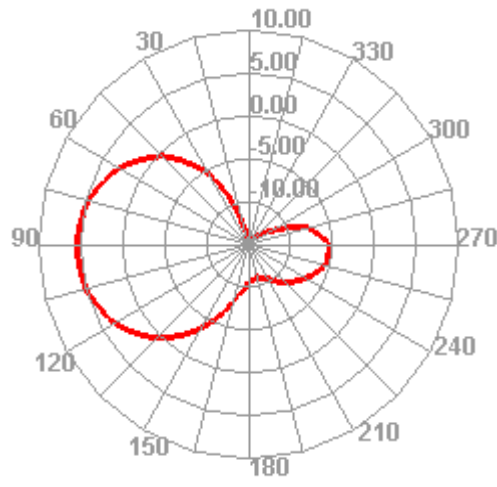
2480.000MHz E2



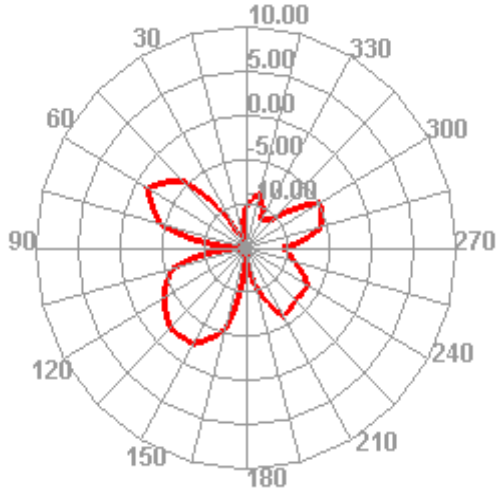
2490.000MHz



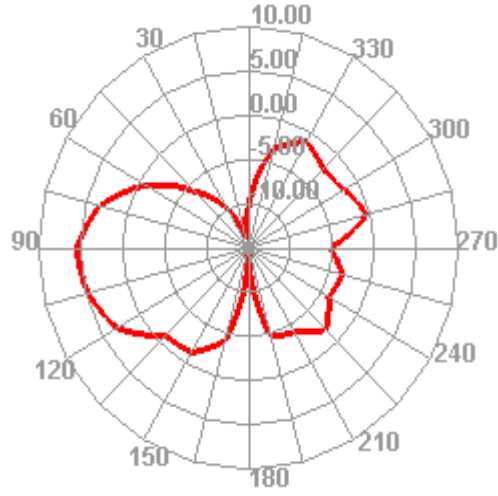
2490.000MHz H



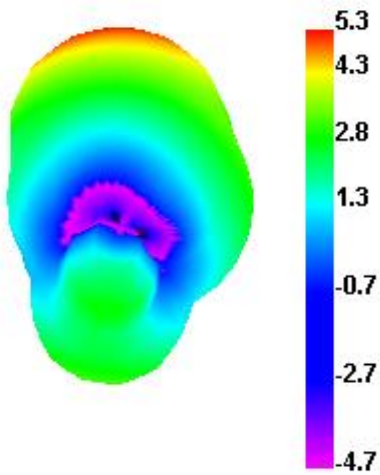
2490.000MHz E1



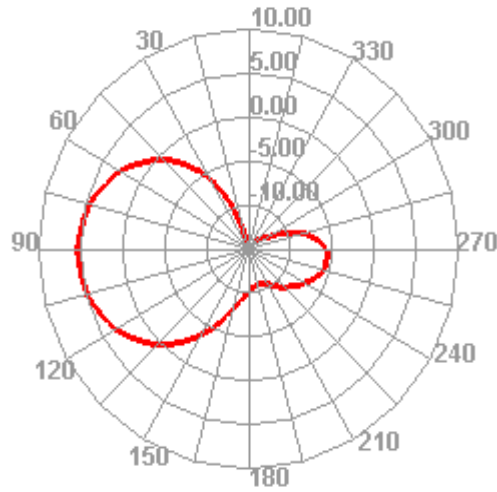
2490.000MHz E2



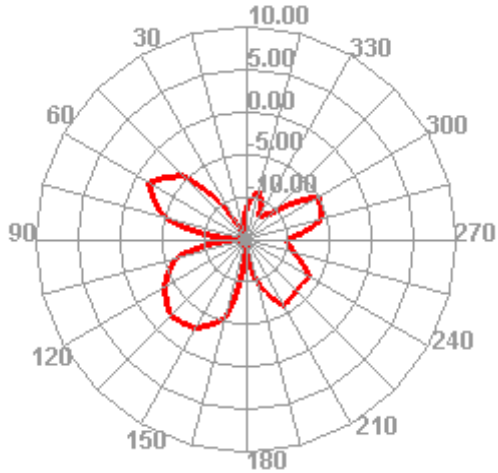
2500.000MHz



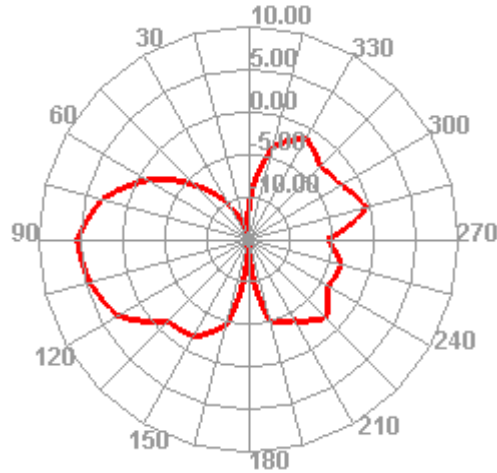
2500.000MHz H



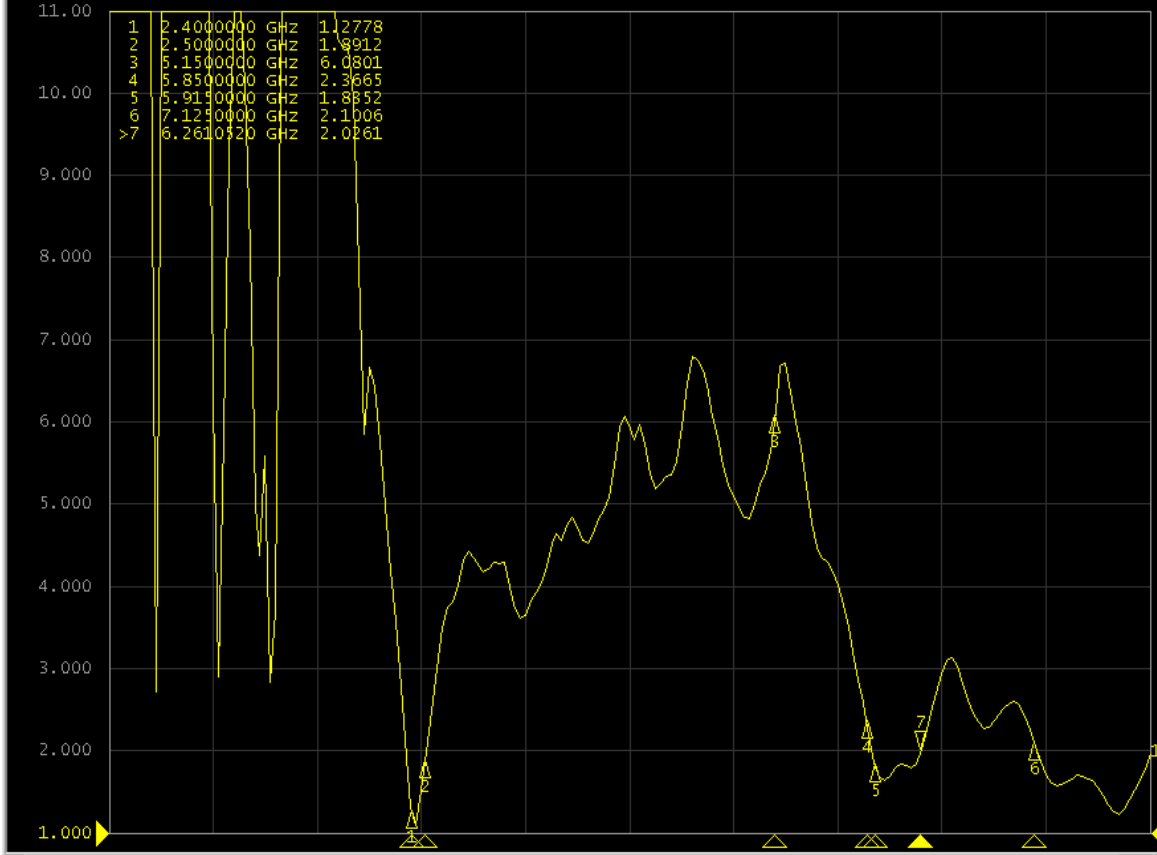
2500.000MHz E1



2500.000MHz E2



▶ Tr1 S22 SWR 1.000/ Ref 1.000 [F1]



1 Start 100 MHz IFBW 70 kHz Stop 8 GHz Cor I

Meas Stop ExtRef Svc 2023-03-16 03:12

System

- Print
- Abort Printing
- Printer Setup...
- Invert Image
ON
- Dump Screen Image...
- Multiport Test Set Setup
- Misc Setup
- Backlight
ON
- Firmware Revision
- Service Menu
- Help
- Return