





惠州市东智电子有限公司  
HUEIZHOU DONZHI ELECTRONICS CO., LTD

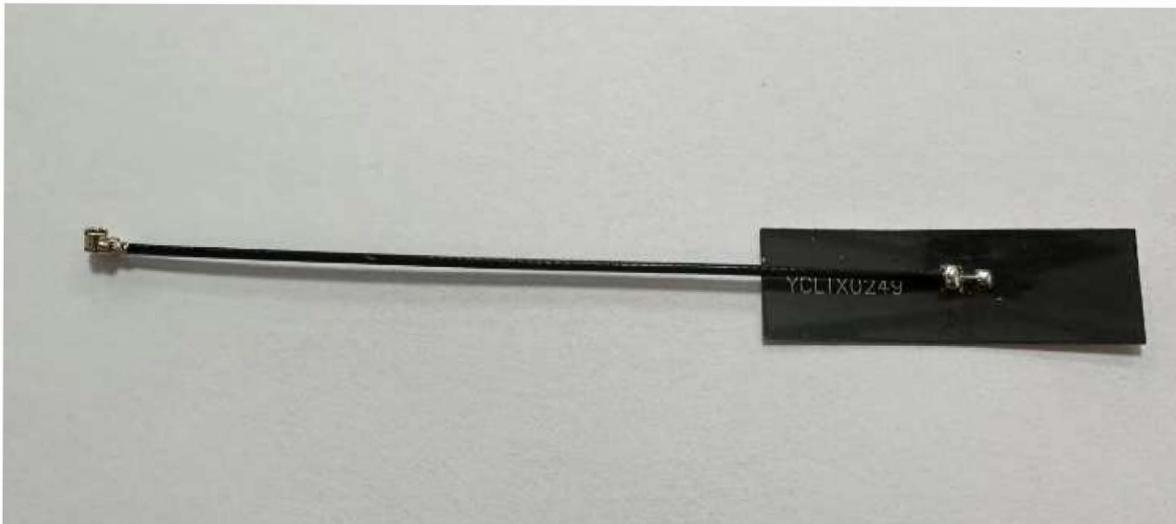
一：产品参数

产品名称： FPC内置天线

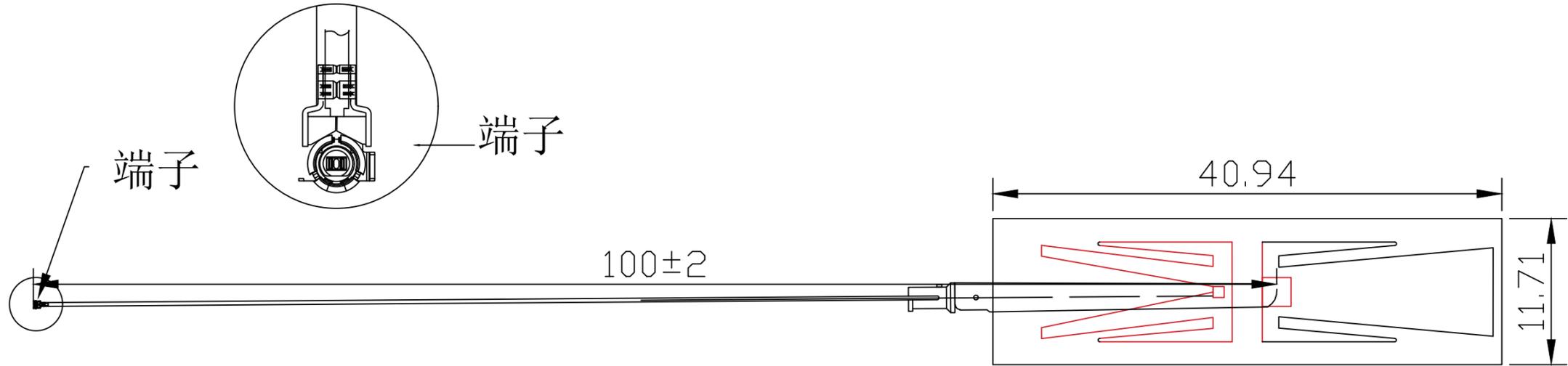
机械性能指标			
尺寸：	12*41*100MM	线长：	100MM
材料：	1、FPC 2、113同轴线 3、IPEX一代端子	颜色：	黑色
		工作温度：	-20℃±85℃

电性能指标			
频率范围：	2400~2500MHZ	极化方式：	垂直
阻抗：	50 Ω	辐射方向：	全向
驻波比：	≤1.5	工作电压：	5V
增益：	1.66DBI	带宽：	100MHZ

二：产品图片



版本	变更内容	日期
V1.0	新发行	2024/8/30



**技术要求:**

1. 塑胶完好无损;
2. 裁线环剥整齐;
3. 拉力3kg以上;
4. 焊点光滑圆润;

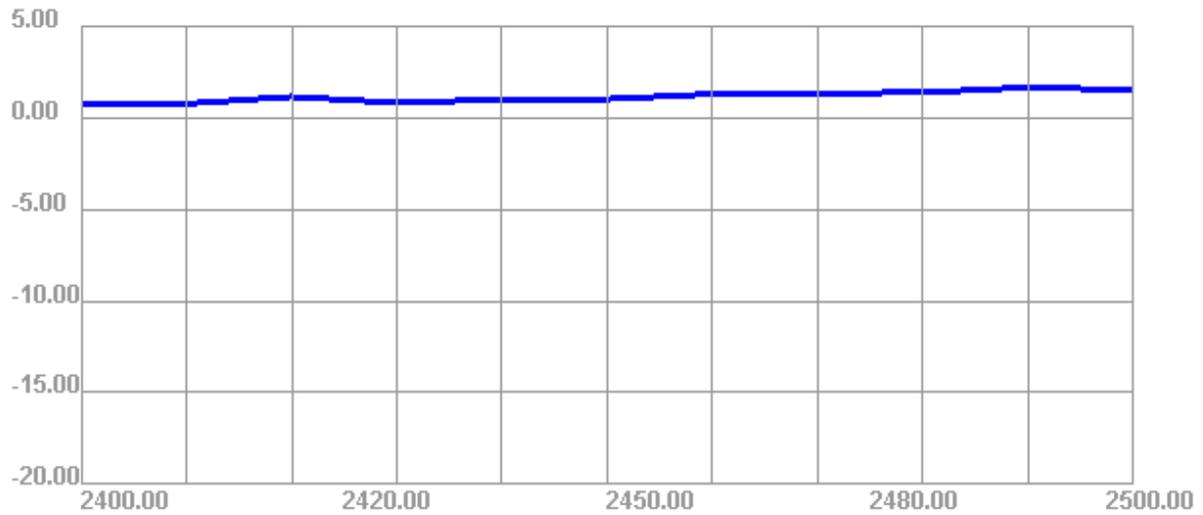
**没标注公差标示:**

0~25	± 0.05
25.01~30	± 0.10
50.01~100	± 0.15
100.01~200	± 0.25
200.01~300	± 0.30

产品名称	双频FPC内置天线	核准		惠州市东智电子 有限公司	
频率	2400-2500MHZ	审核	罗谷健	视图	
阻抗	50 Ω	制作	刘浩桦	日期	2024/8/30
驻波比	≤1.5dB	版本	V1.0	页数	1页 共1页
增益	3DBI	比例	1:1	单位	MM
外壳材质	ABS	路径			

Passive Test For 2400										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	50.62	-2.17	0.69	-1.46	30.896	29.723	0.69	-16.74	46.87	46.67
2410	52.59	-2.03	0.77	-1.38	31.843	30.747	0.77	-16.35	46.85	46.74
2420	55.98	-1.81	1.14	-1.01	33.907	32.075	1.14	-16.18	46.98	46.85
2430	51.86	-2.09	0.81	-1.34	31.729	30.134	0.81	-16.64	47.05	46.99
2440	53.97	-1.94	1	-1.15	33.014	30.952	1	-16.3	47.31	47.29
2450	56.85	-1.75	1.02	-1.13	34.403	32.446	1.02	-15.22	47.72	47.63
2460	56.96	-1.43	1.29	-0.86	36.974	34.985	1.29	-14.02	47.76	47.66
2470	58.73	-1.21	1.34	-0.81	38.62	37.105	1.34	-12.96	47.73	47.52
2480	56.88	-1.14	1.37	-0.78	38.737	38.14	1.37	-12.37	47.76	47.52
2490	57.78	-0.93	1.66	-0.49	40.801	39.976	1.66	-12.02	47.89	47.63
2500	55.63	-1.1	1.51	-0.64	39.282	38.348	1.51	-12.04	47.75	47.52
							Application Information			
							O4Version		4.95.303	
							TotalTime		3m 12s 530ms	
							AdditionalInfor		NULL	

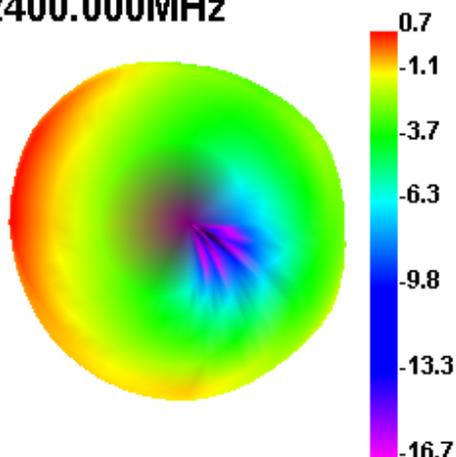
**2400.00MHz - 2500.00MHz Gain**



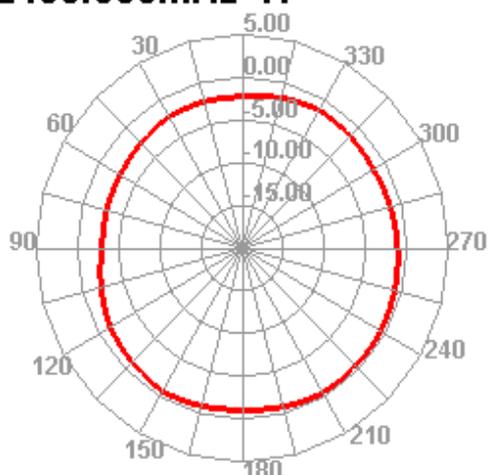
**2400.00MHz - 2500.00MHz Efficiency**



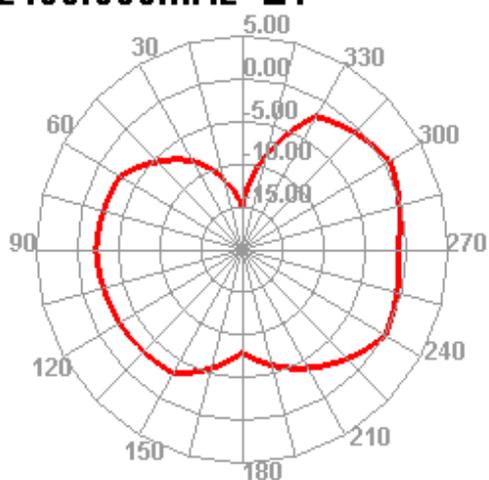
2400.000MHz



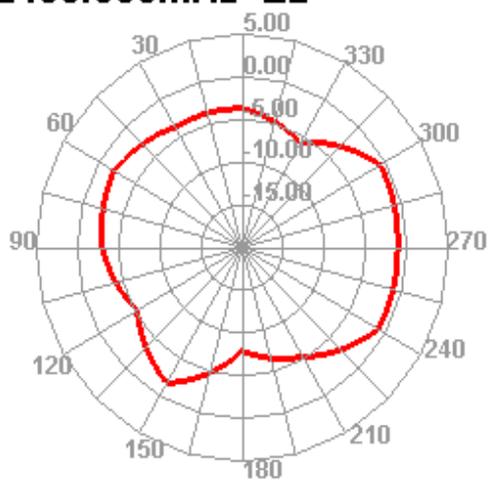
2400.000MHz H



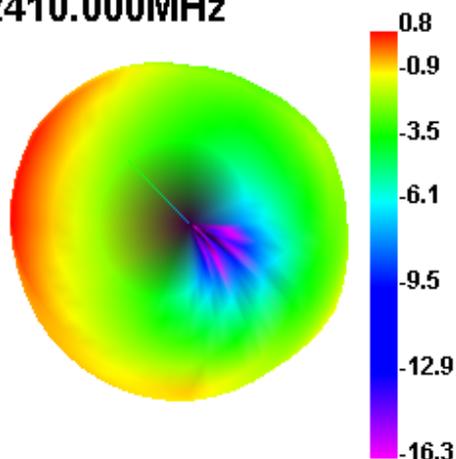
2400.000MHz E1



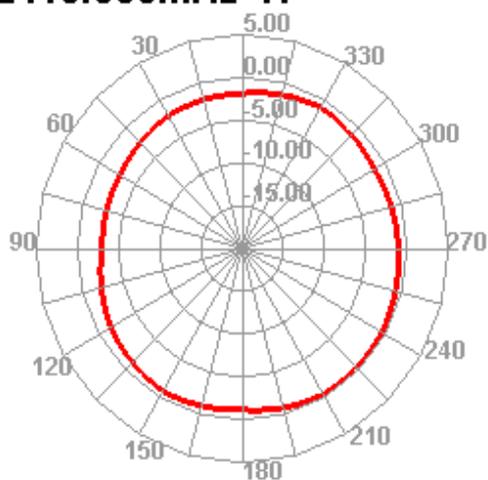
2400.000MHz E2



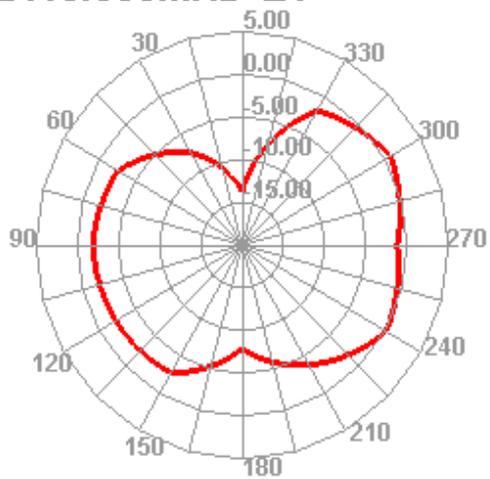
2410.000MHz



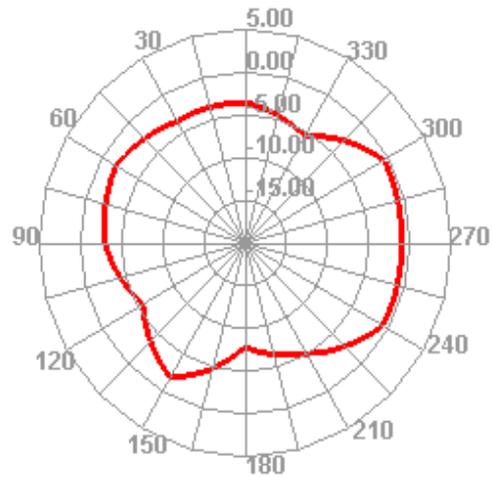
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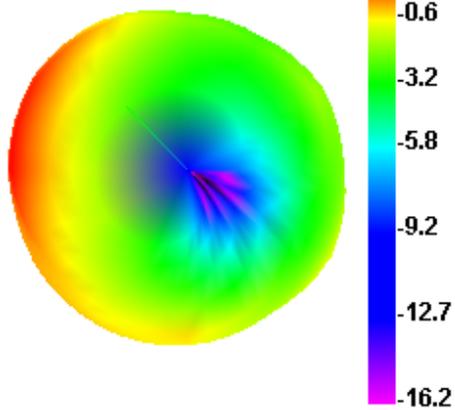
2410.000MHz E1



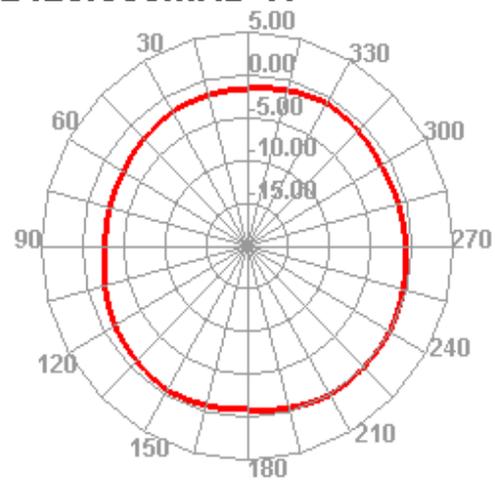
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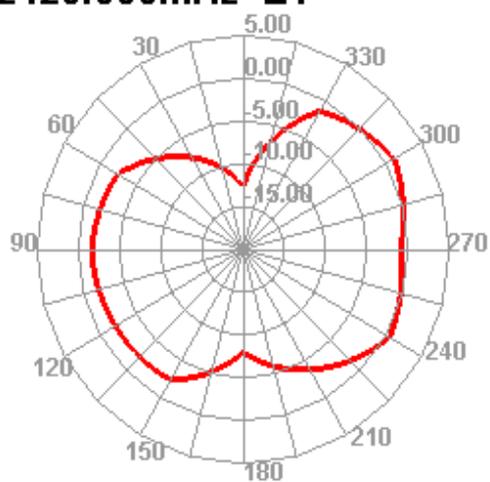
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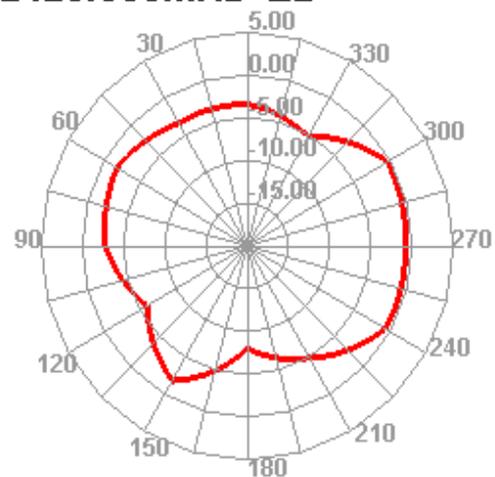
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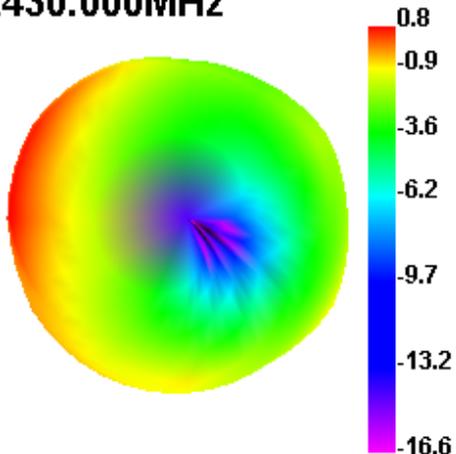
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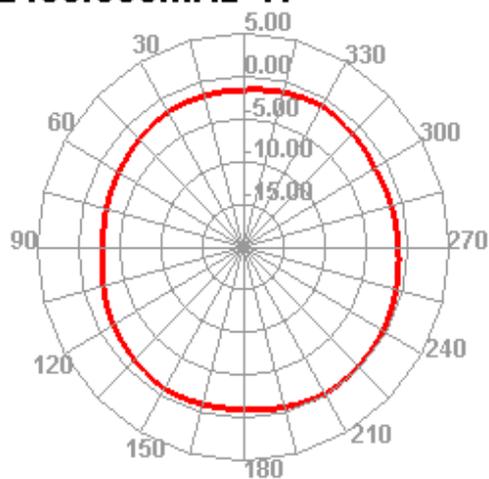
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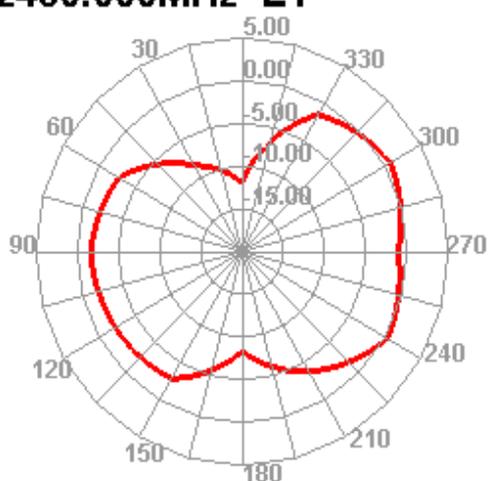
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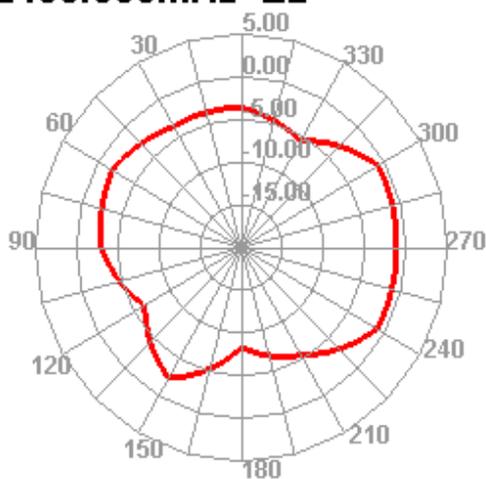
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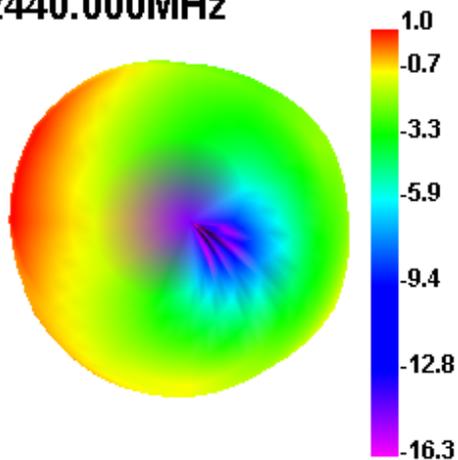
2430.000MHz E1



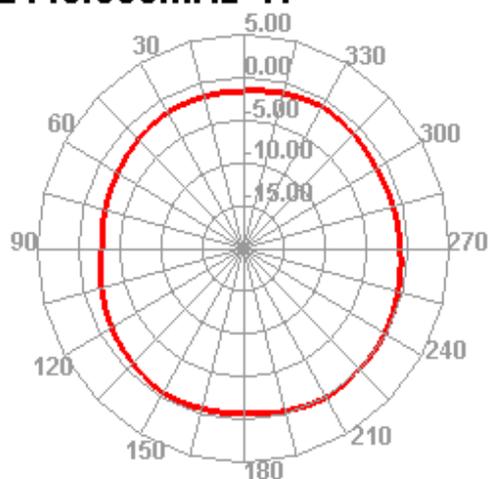
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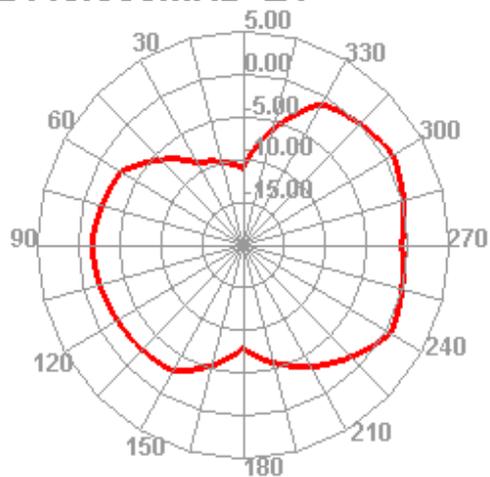
2440.000MHz



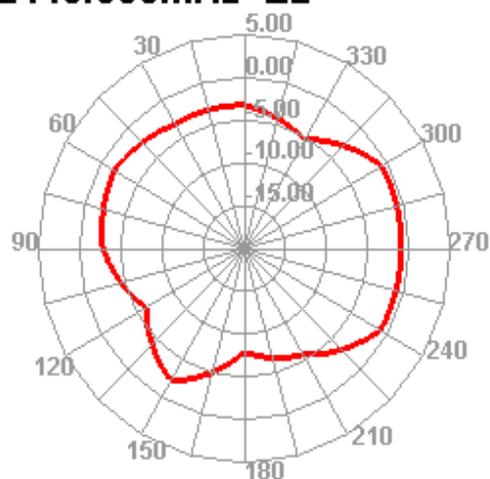
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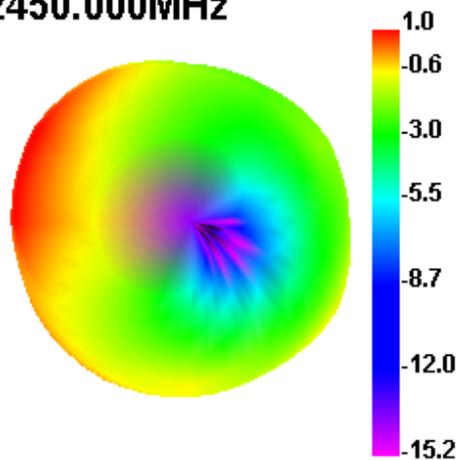
2440.000MHz E1



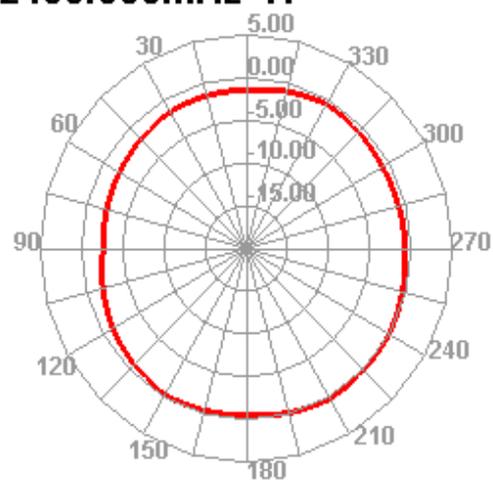
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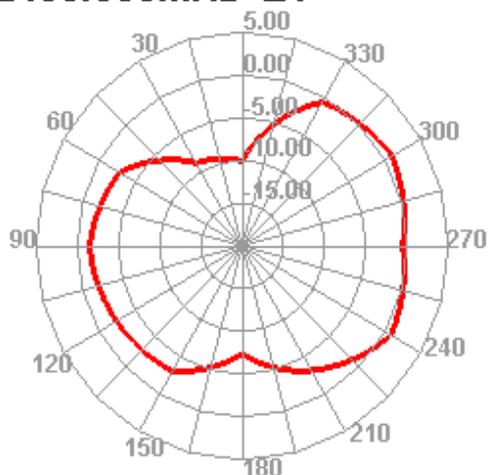
2450.000MHz



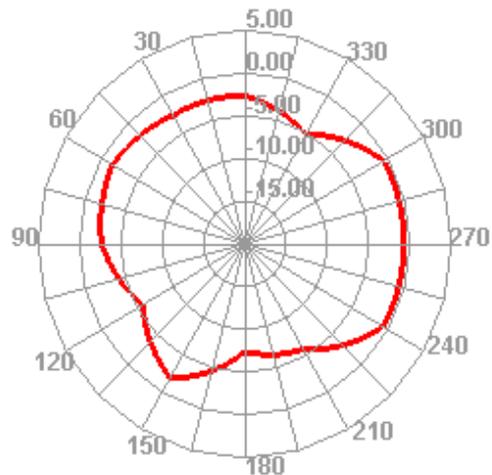
2450.000MHz H



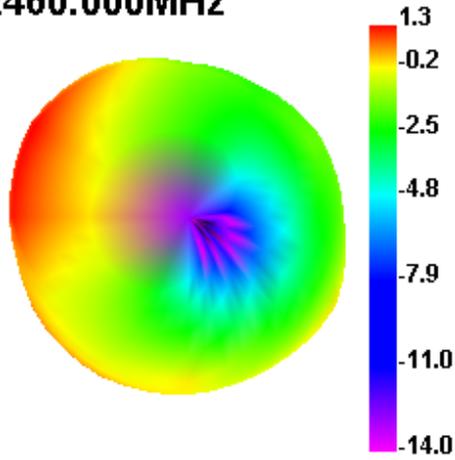
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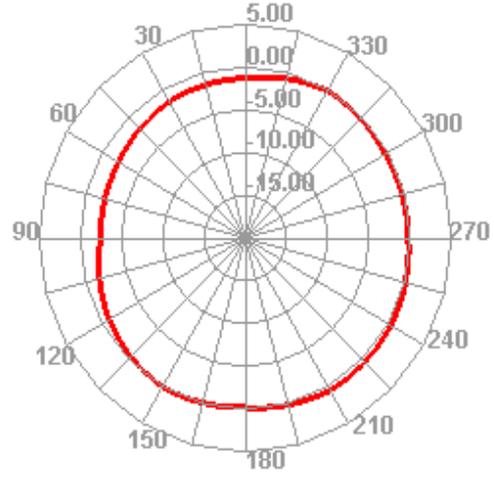
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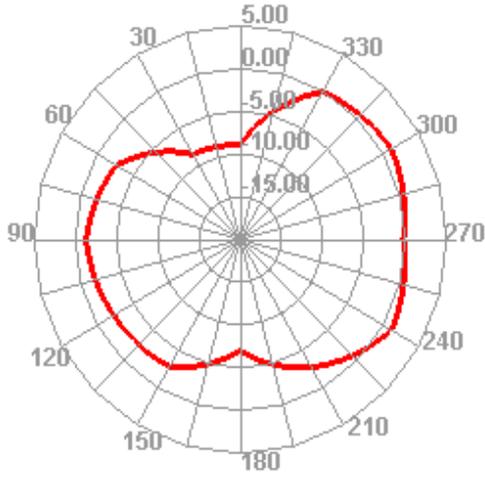
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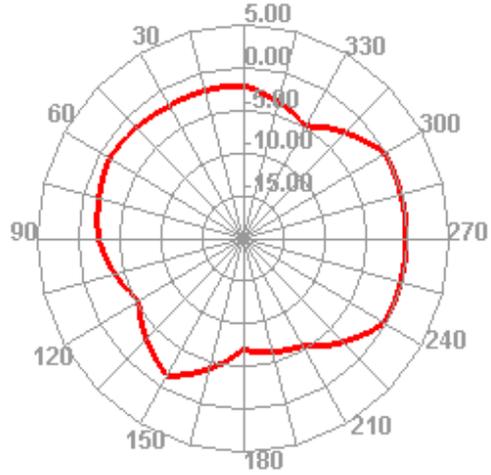
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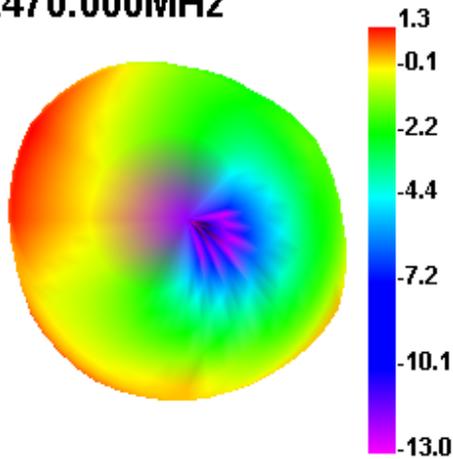
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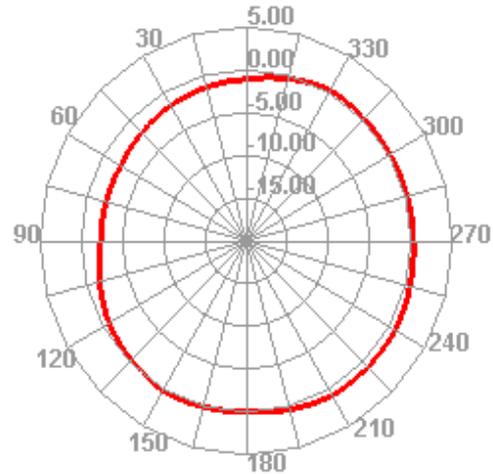
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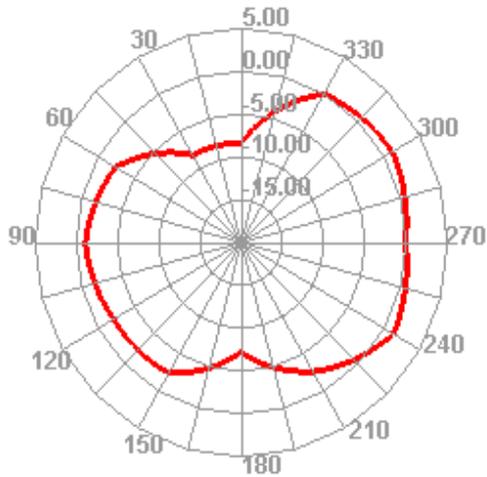
2470.000MHz



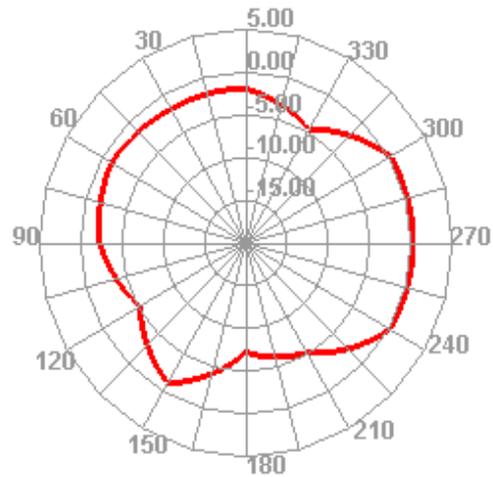
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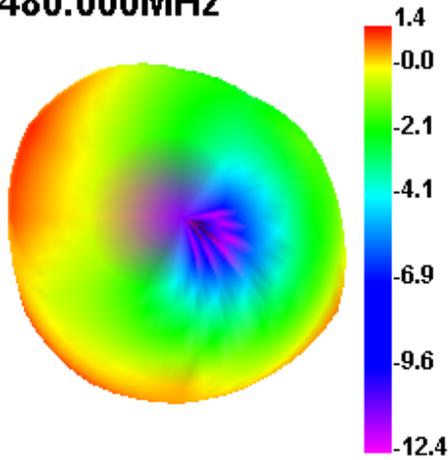
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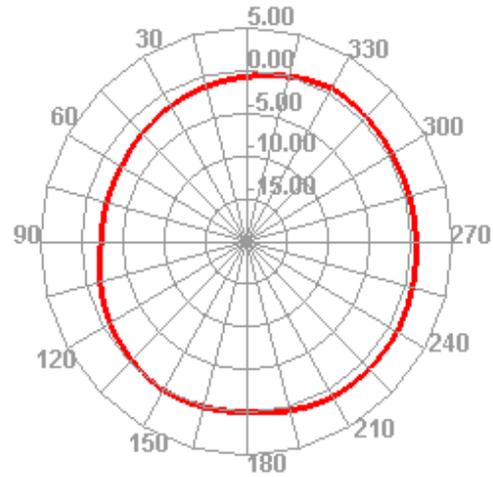
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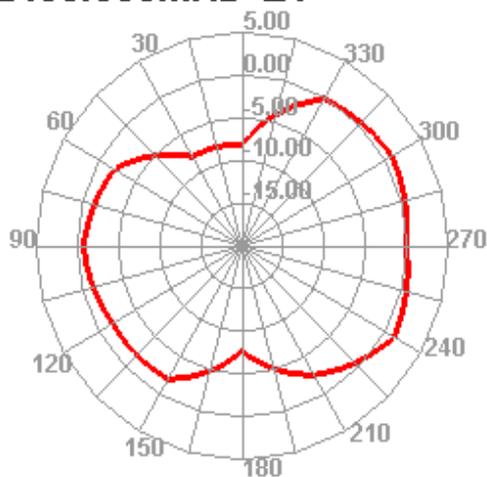
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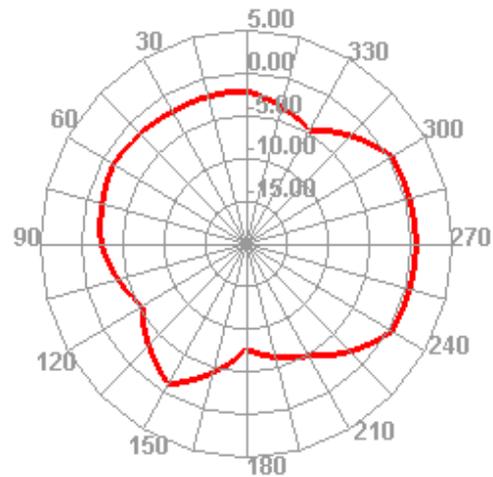
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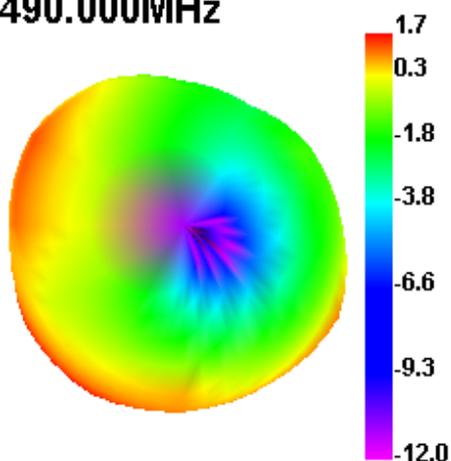
2480.000MHz E1



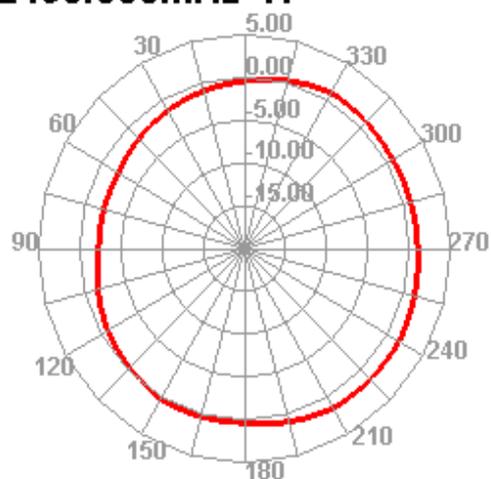
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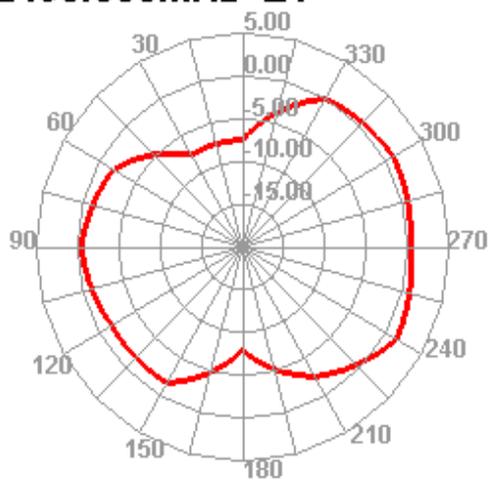
2490.000MHz



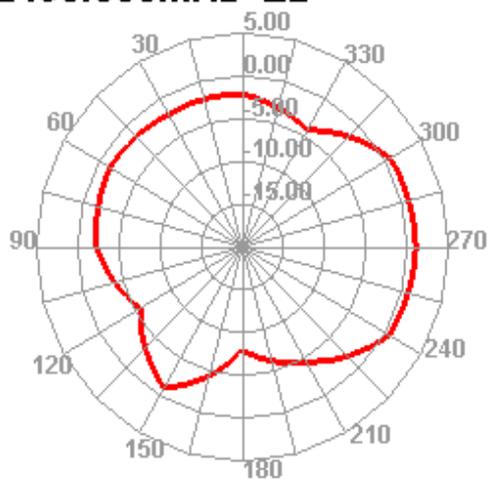
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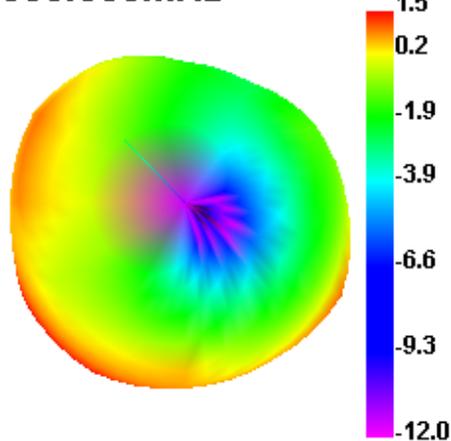
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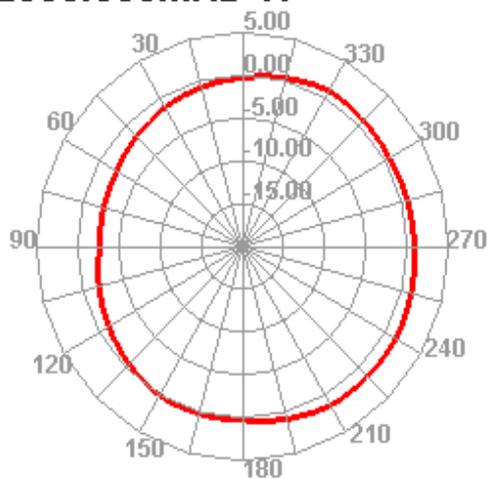
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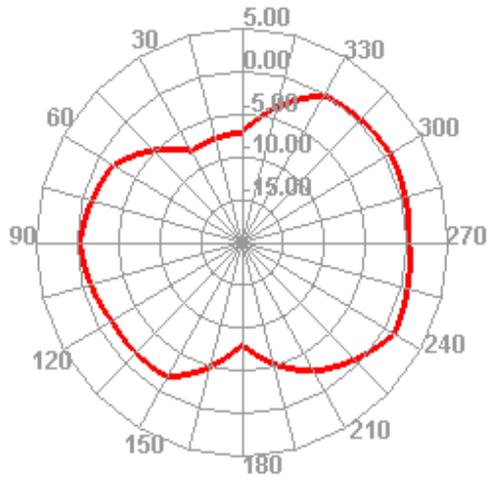
2500.000MHz



2500.000MHz H



**2500.000MHz E1**



**2500.000MHz E2**

