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# 天线测试报告

## DOSKING Antenna Test Report

※: 测试设备环境基于以下:

1. ETS Chamber 7×4×3(m)(3D 暗室) / 5×3×3(m)(3D 暗室), 矢量网络分析仪(无源测试仪)
2. Network analyzer-8960/LTE CMW500/8820 支持 2G、3G、4G、5G 网络. (有源测试仪)

## 一、项目概况：

<b>客户名称</b>	卓信特	<b>项目名称</b>	Z5539	
<b>整机类型</b>	手机			
<b>天线种类及频段信息</b>		<b>天线形式</b>	<b>匹配改动</b>	
<b>主天线</b>	2G: 850/900/1800/1900, 3G: B2/B4/B5 FDD:B2/4/5/12/13/17/25/26/66 /71 TDD:B41		PIFA	否
<b>副天线</b>	WIFI+GPS+BT		PIFA	否
<b>分集天线</b>	有		PIFA	否
<b>天线材质</b>	主天线 FPC; 副天线 FPC			

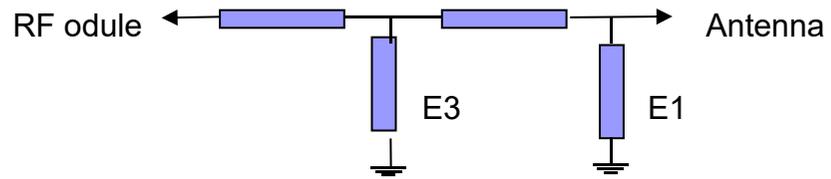
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## 二、匹配修改 (主馈电路)

### 1、主天线 下天线 SUB 小板端 主馈电路

位号	原始匹配值	更换后匹配值
SC3		NC
SR1		0Ω
SC2		NC
SR12		0Ω
ESD6006		NC

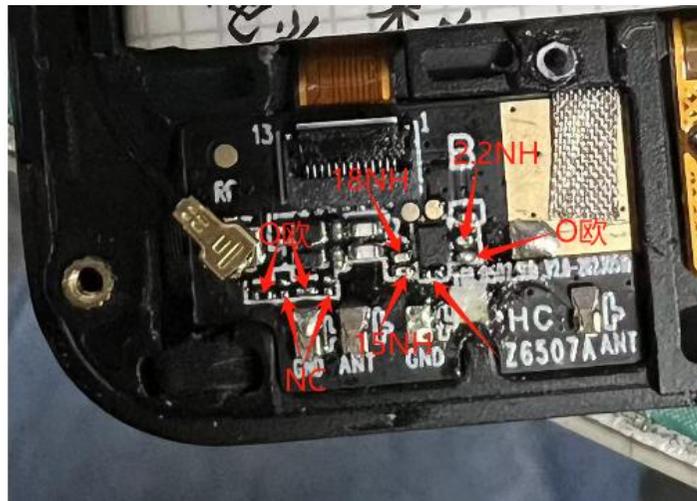
## 2、分集天线 上天线 主板端 主馈电路



位号	原始匹配值	更换后匹配值
E1(0402)	NC	
E2(0402)	0Ω	
E3(0402)	NC	
E4(0402)	0Ω	

### 三、匹配修改 (调谐匹配) SUB 小板端 调谐电路

位号	原始匹配值	更换后匹配值	频段分配
RF1		0 欧姆	GSM900/1800/1900,WCDMA-B2/B4,LTE-B2/4/25/41/66
RF2		2.2NH	GSM850 WCDMA-B5 LTE-B5/26
RF3		15NH	LTE-B12/13/17
RF4		18NH	LTE-B71



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#### 四、环境处理



喇叭贴导电布接地，小板漏铜区贴导电泡棉接地，马达接地，屏的 FPC 贴导电布屏蔽

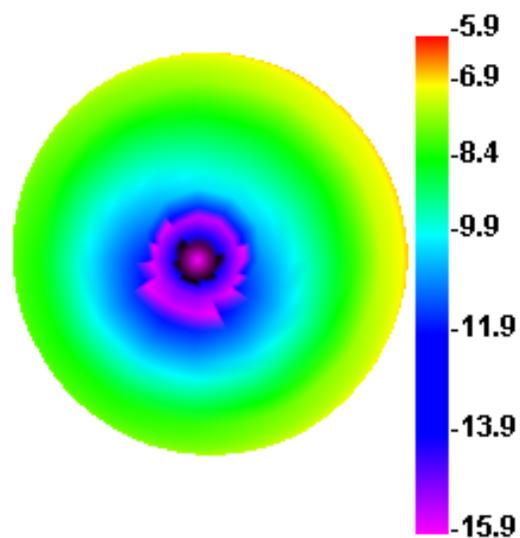
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## 五、天线增益

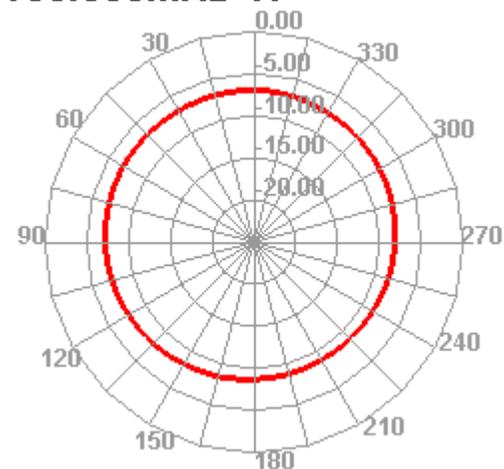
Band	Gain
GSM850	0.42
EGSM900	0.63
DCS1800	0.81
PCS1900	0.52
WCDMA Band2	0.52
WCDMA Band4	0.75
WCDMA Band5	0.42
B2	0.52
B4	0.81
B5	0.42
B12 13	0.41
B17	0.41
B66	0.81
B71	0.33
B25	0.81
B26	0.42
B41	1.12
GPS	1.28
WIFI	1.11
BT	1.11

Efficient ( 617-697.9Hz )

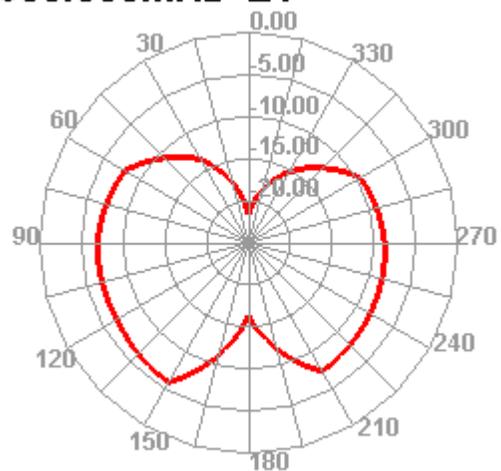
650.000MHz



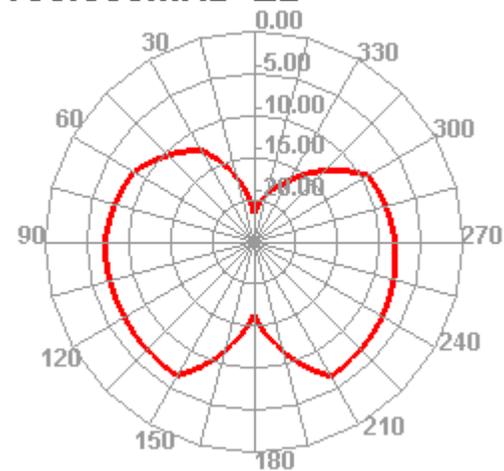
650.000MHz H



650.000MHz E1

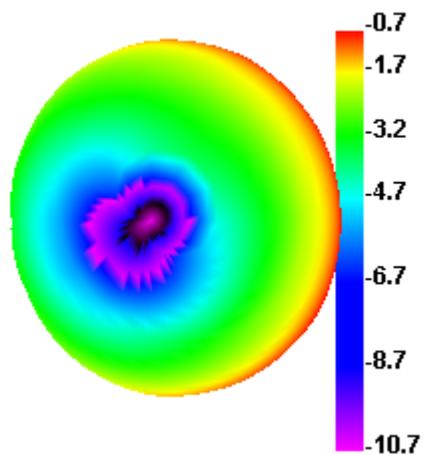


650.000MHz E2

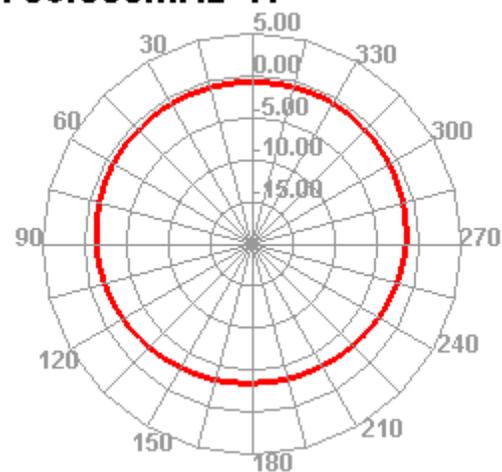


# Efficient ( 698-798MHz )

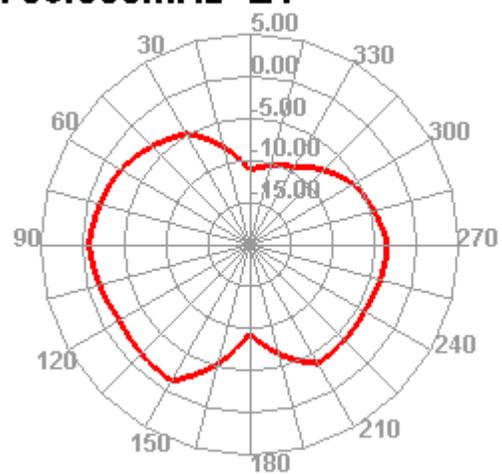
736.000MHz



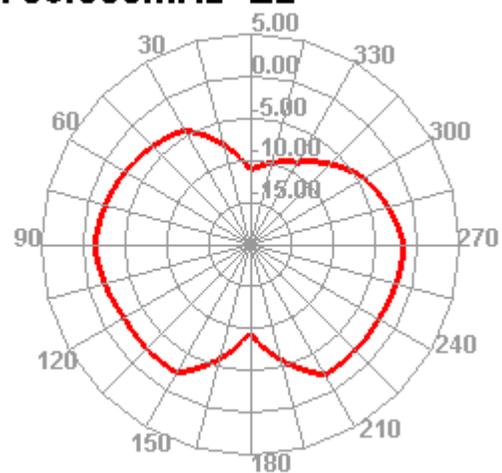
736.000MHz H



736.000MHz E1

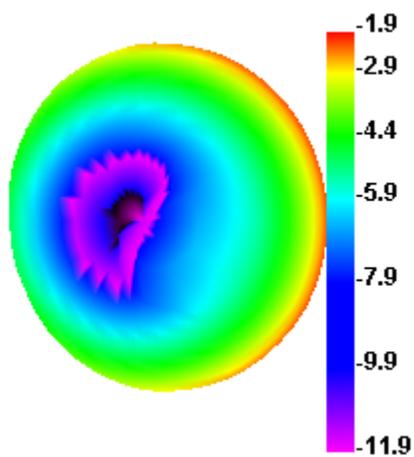


736.000MHz E2

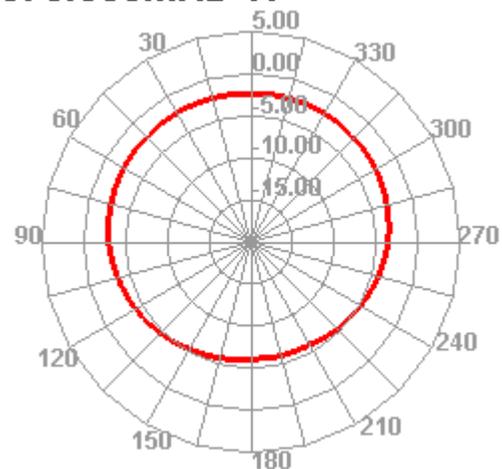


# Efficient ( 791-894MHz )

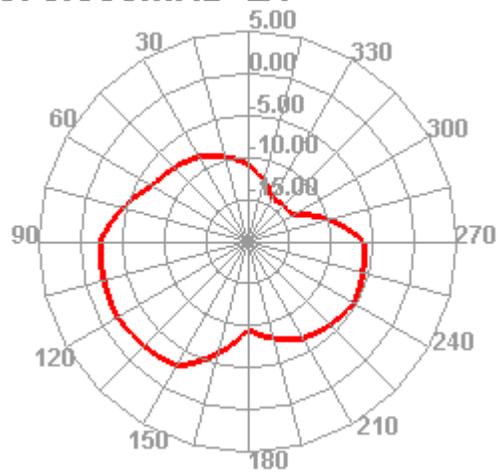
## 870.000MHz



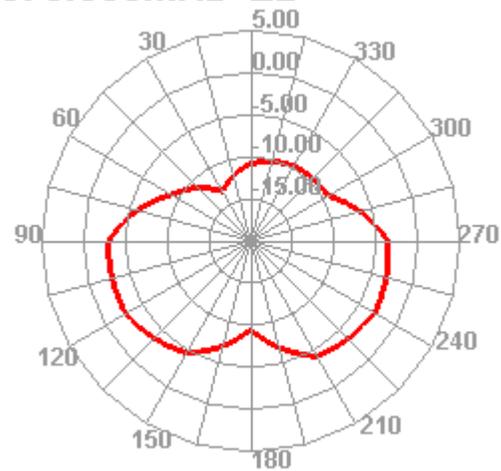
## 870.000MHz H



## 870.000MHz E1

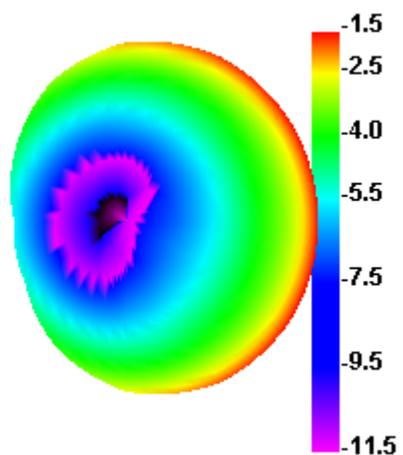


## 870.000MHz E2

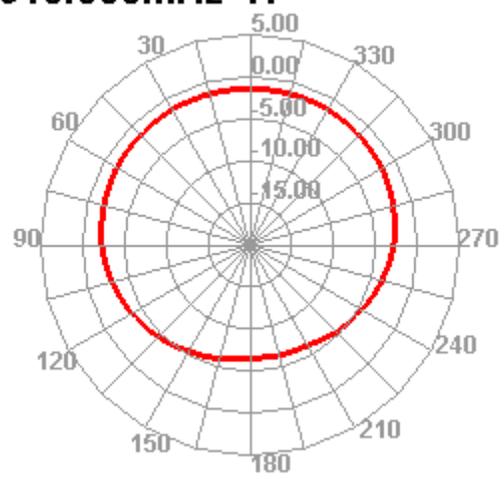


# Efficient ( 880-960MHz )

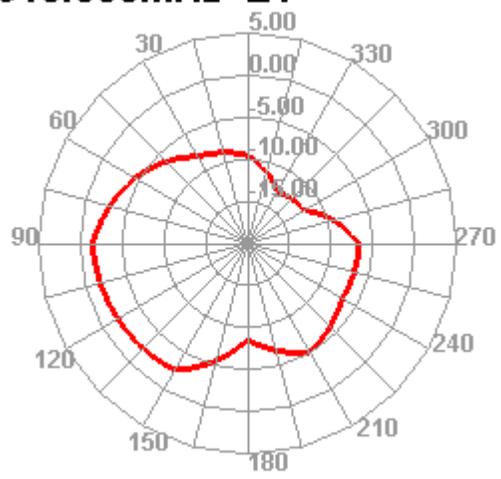
## 910.000MHz



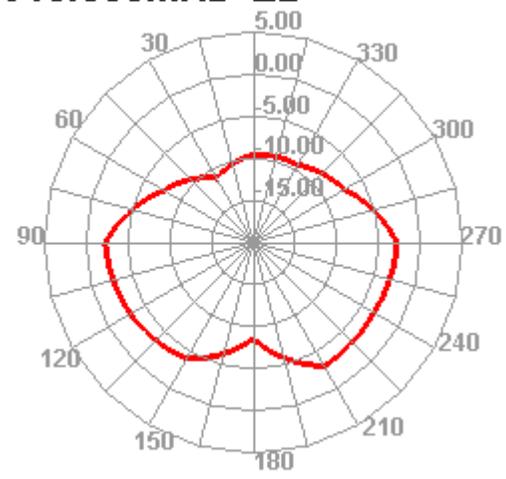
## 910.000MHz H



## 910.000MHz E1

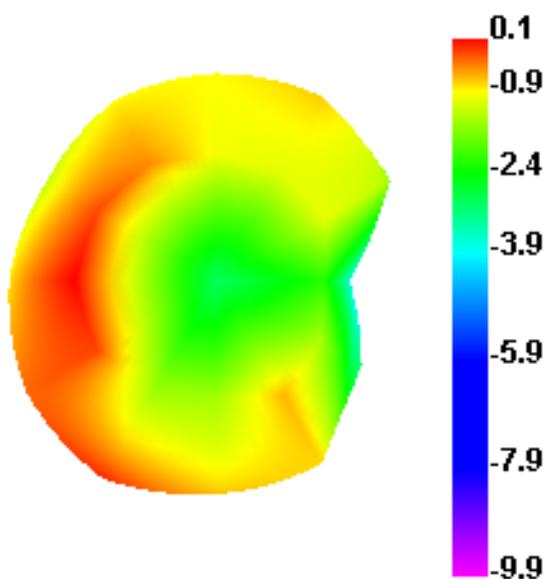


## 910.000MHz E2

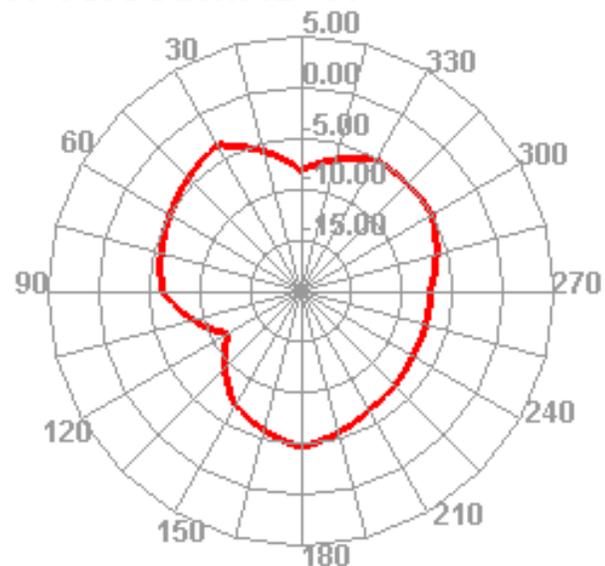


Efficient (1710–1880MHz )

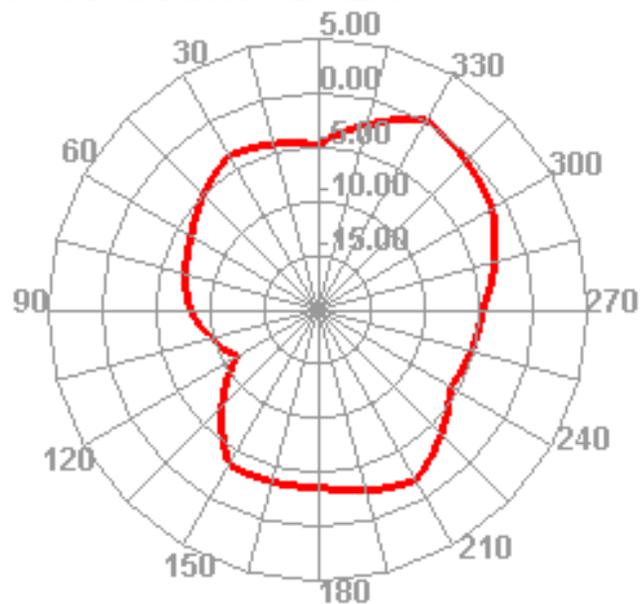
1710.000MHz



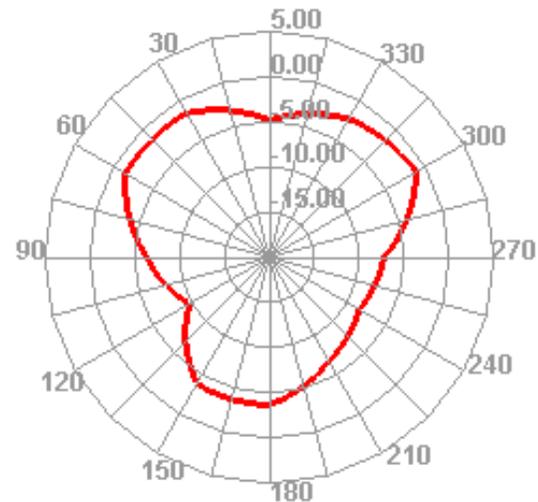
1710.000MHz H



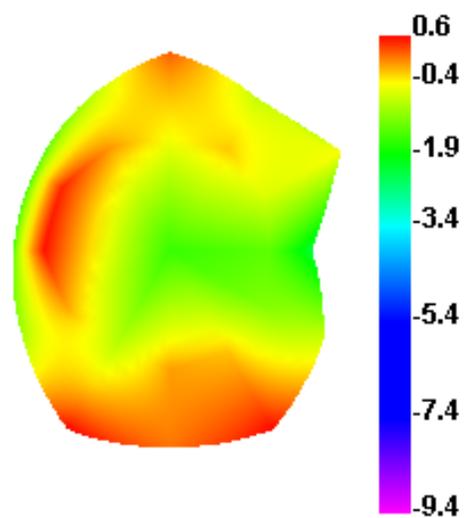
1710.000MHz E1



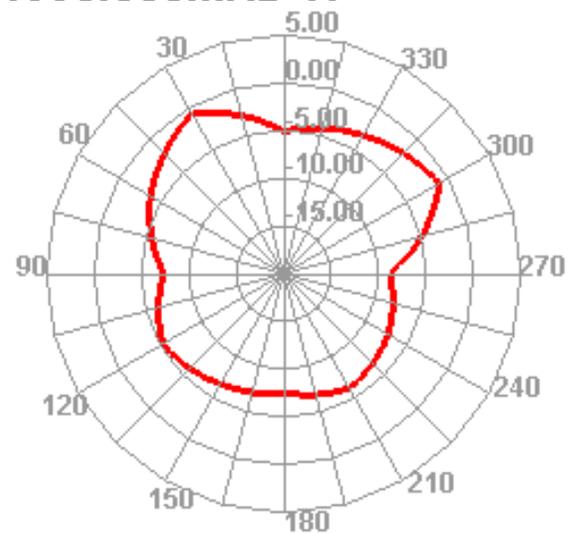
1710.000MHz E2



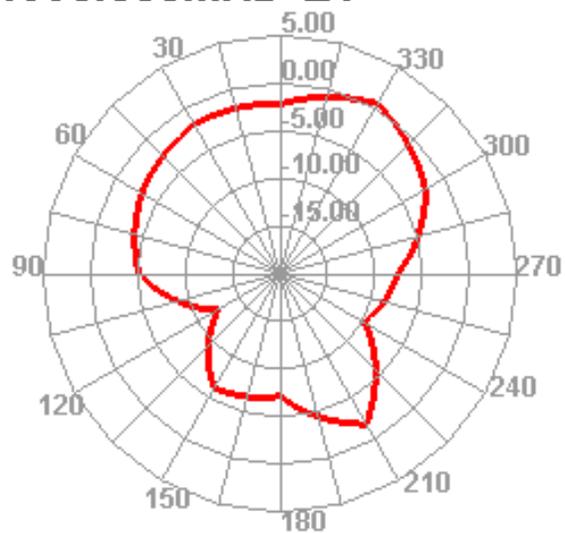
1990.000MHz



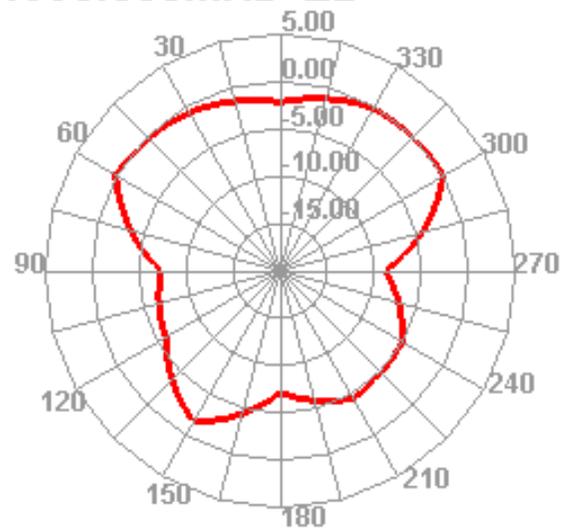
1990.000MHz H



1990.000MHz E1

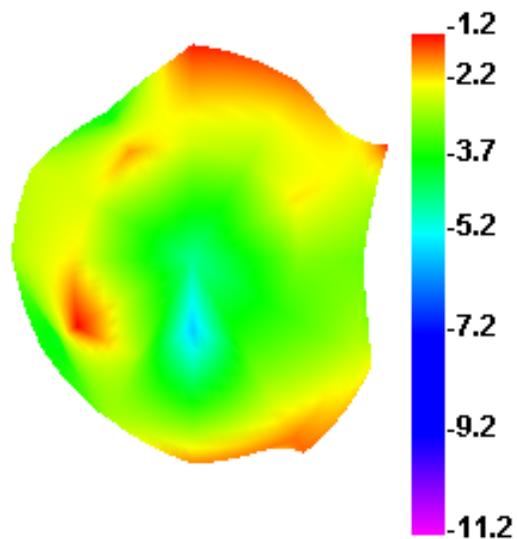


1990.000MHz E2

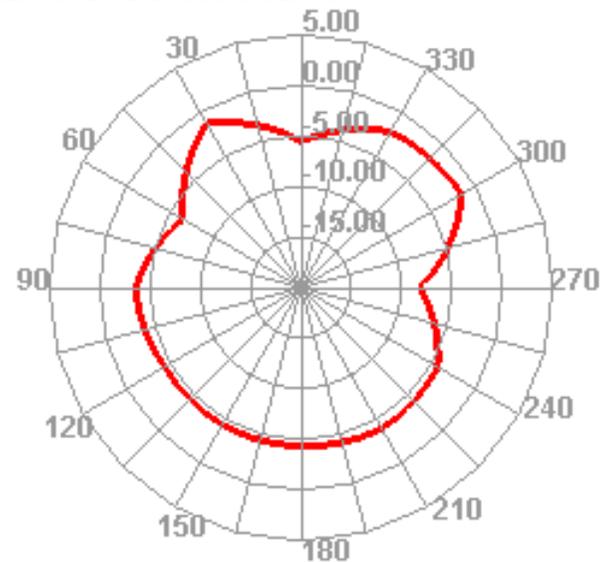


# Efficient ( 1920-2170MHz )

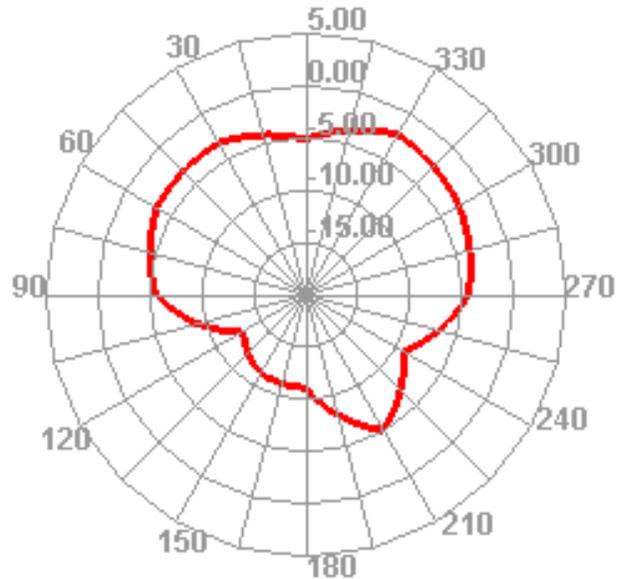
## 2170.000MHz



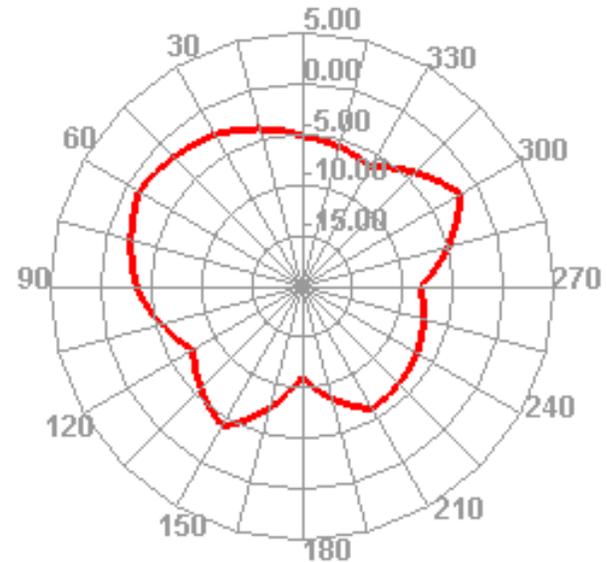
## 2170.000MHz H



## 2170.000MHz E1

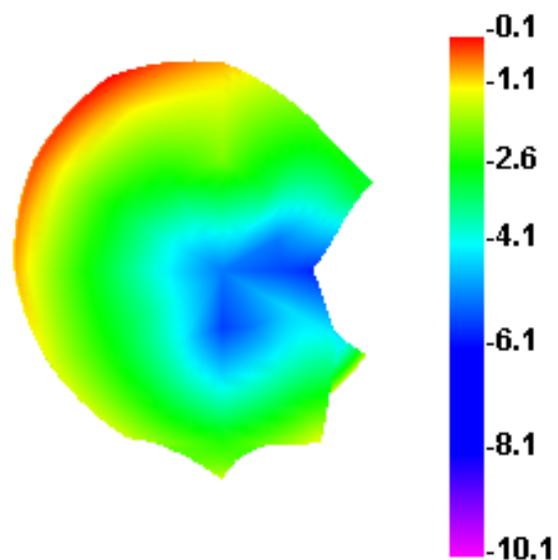


## 2170.000MHz E2

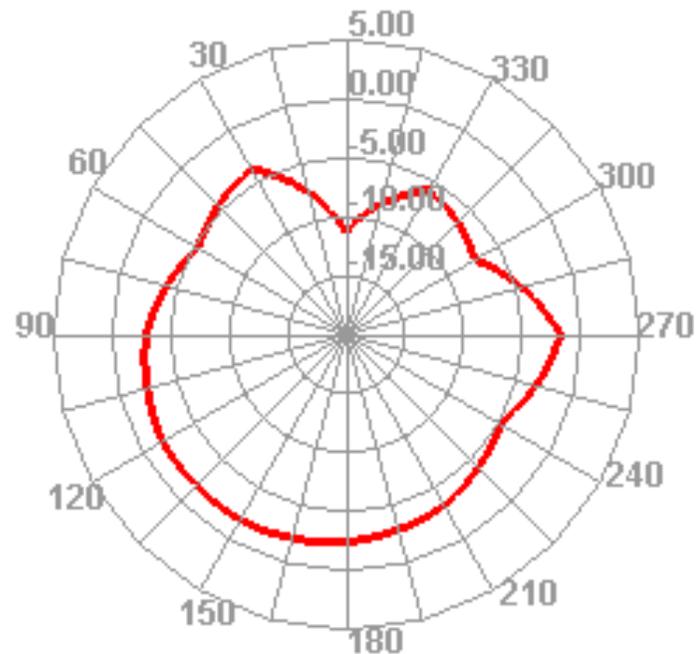


Efficient ( 2300-2500MHz )

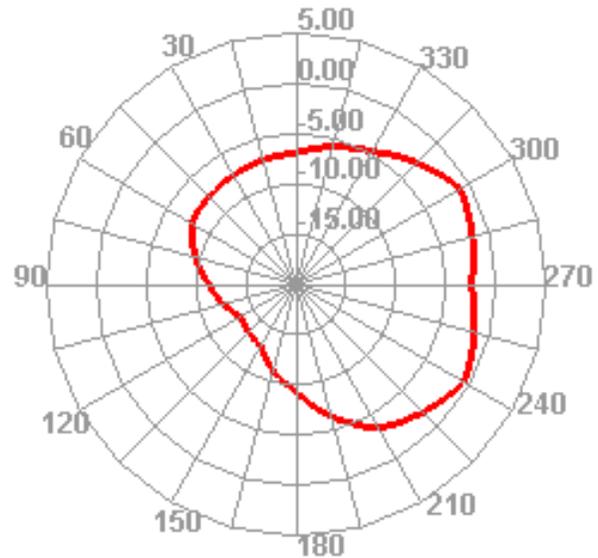
2500.000MHz



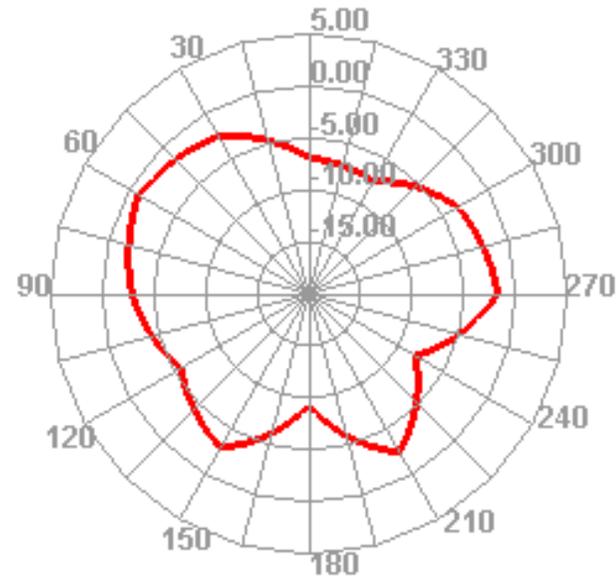
2500.000MHz H



2500.000MHz E1

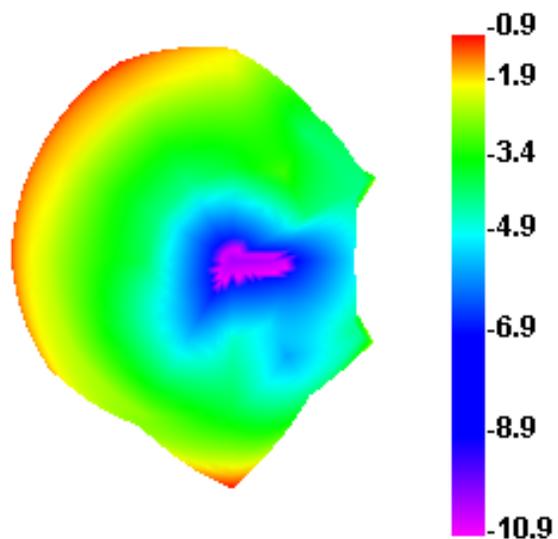


2500.000MHz E2

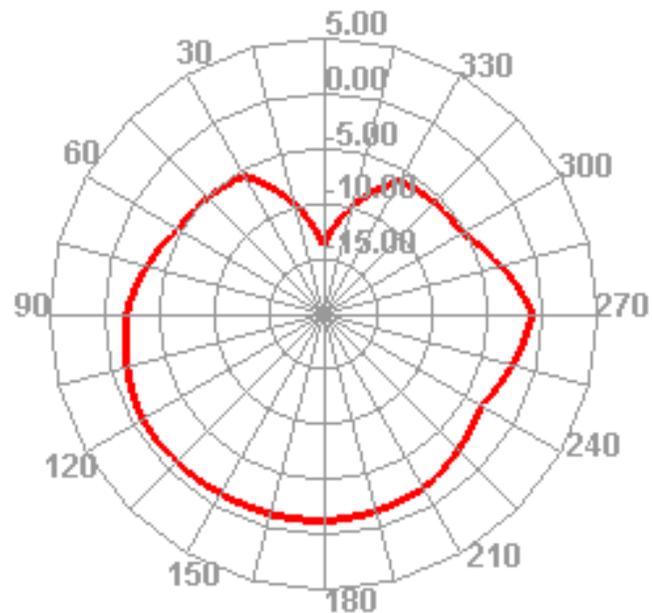


Efficient ( 2500–2690MHz )

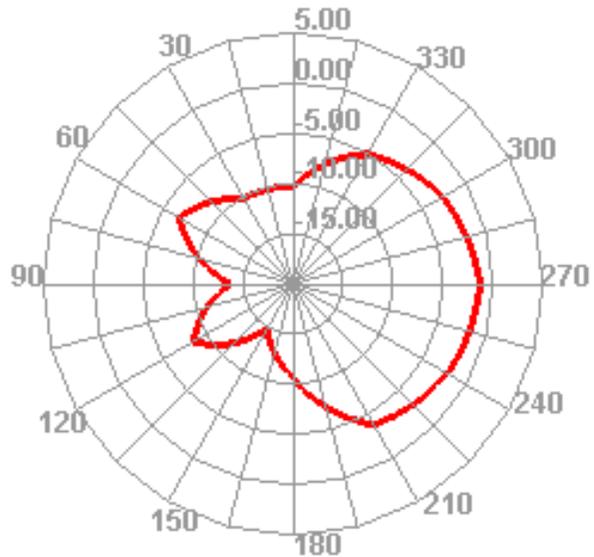
2690.000MHz



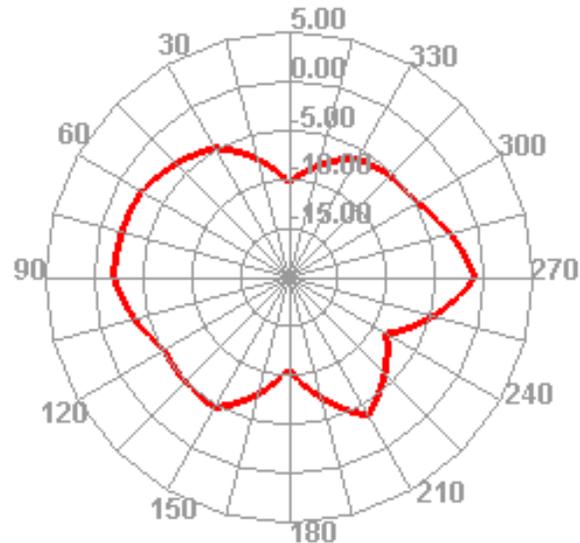
2690.000MHz H



2690.000MHz E1

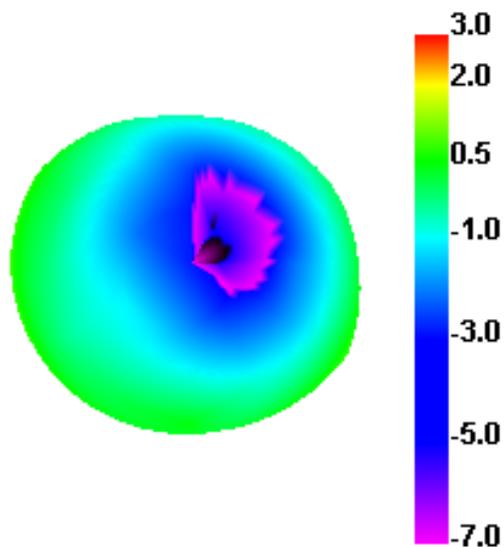


2690.000MHz E2

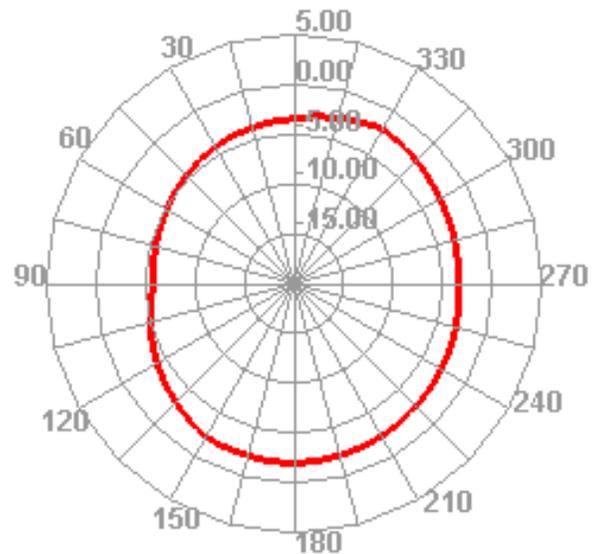


Efficient ( 2.4G-WIFI/BT 2400-2500MHz )

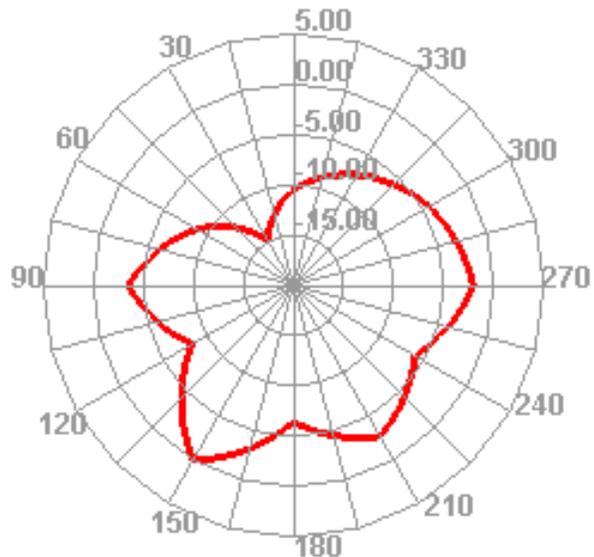
2450.000MHz



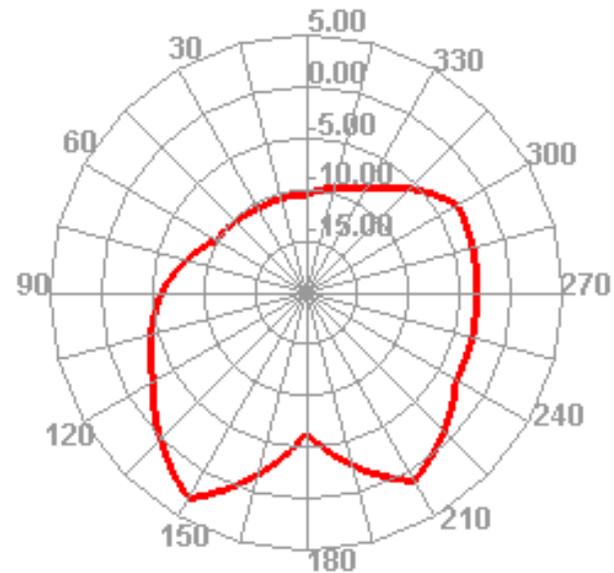
2450.000MHz H



2450.000MHz E1

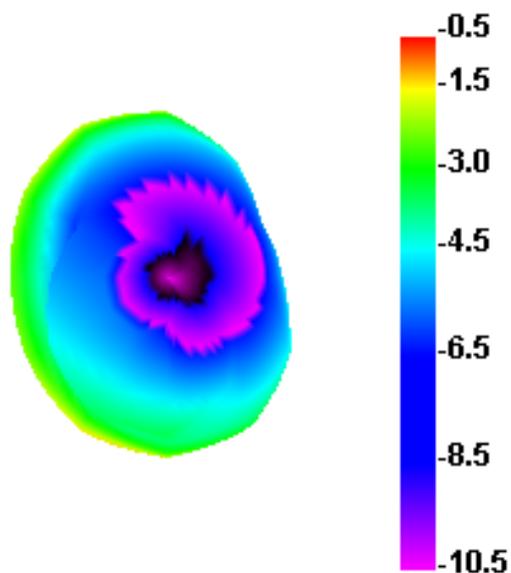


2450.000MHz E2

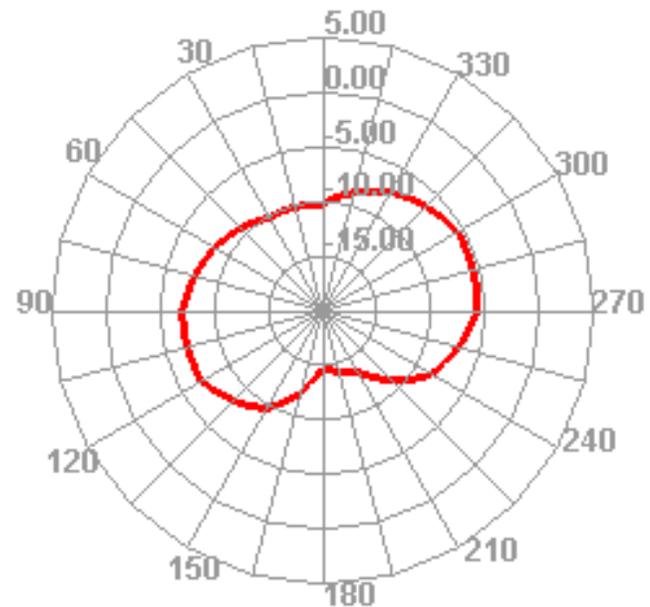


Efficient ( GPS 1575.42MHz )

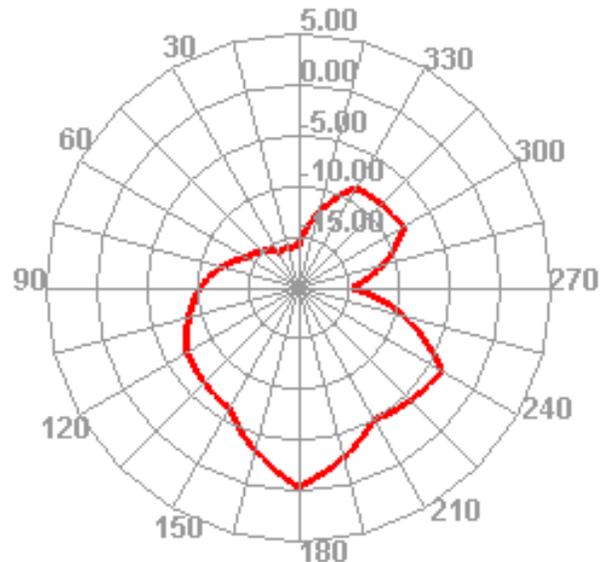
1575.000MHz



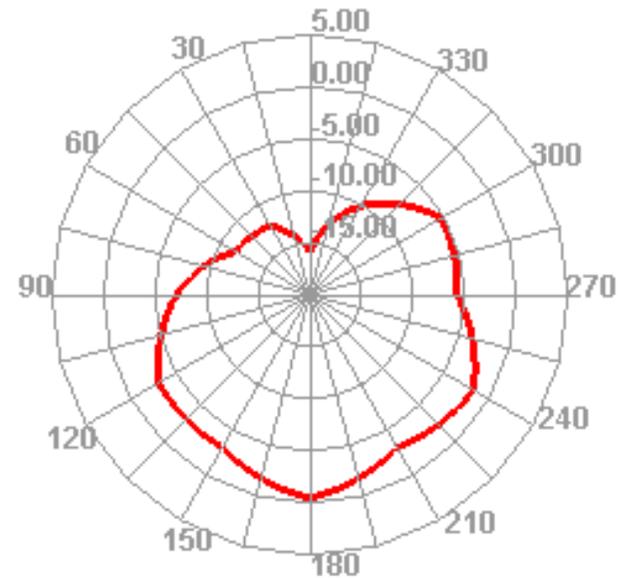
1575.000MHz H



1575.000MHz E1

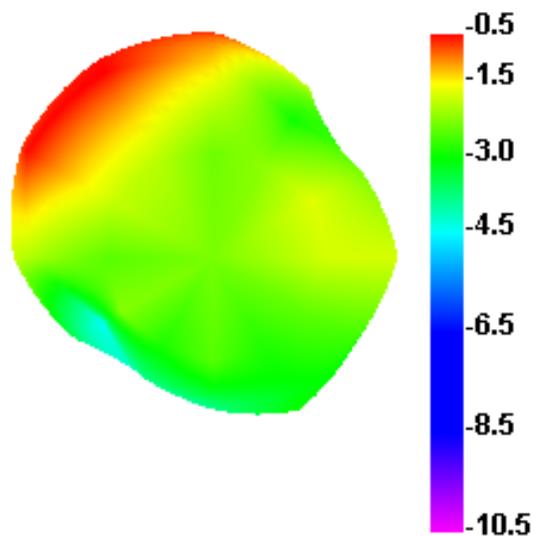


1575.000MHz E2

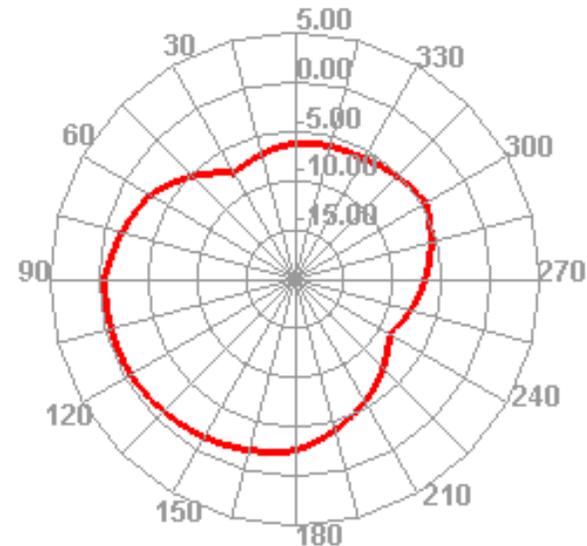


Efficient ( 5.8G-WIFI 5100-5800MHz )

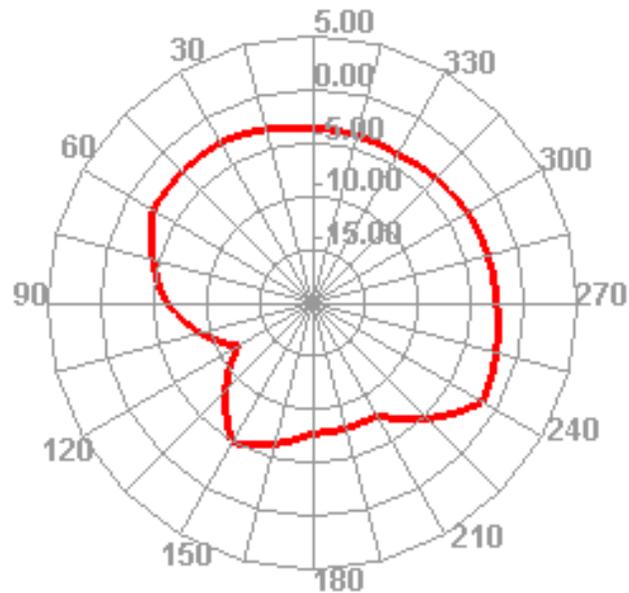
5150.000MHz



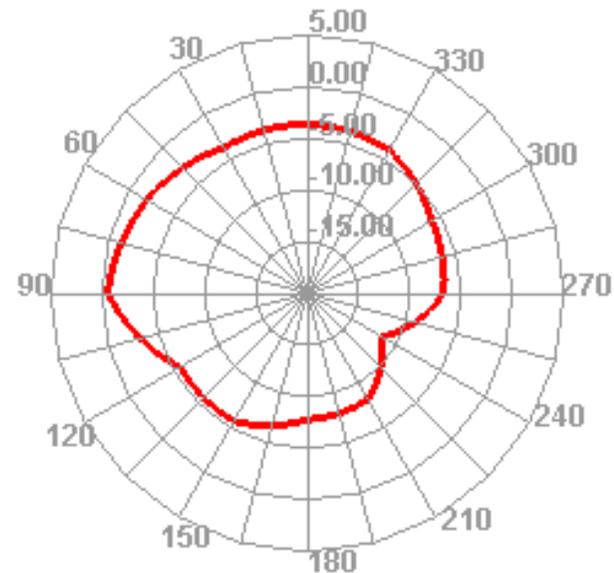
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



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## 联系方式

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时间：2023.12.26