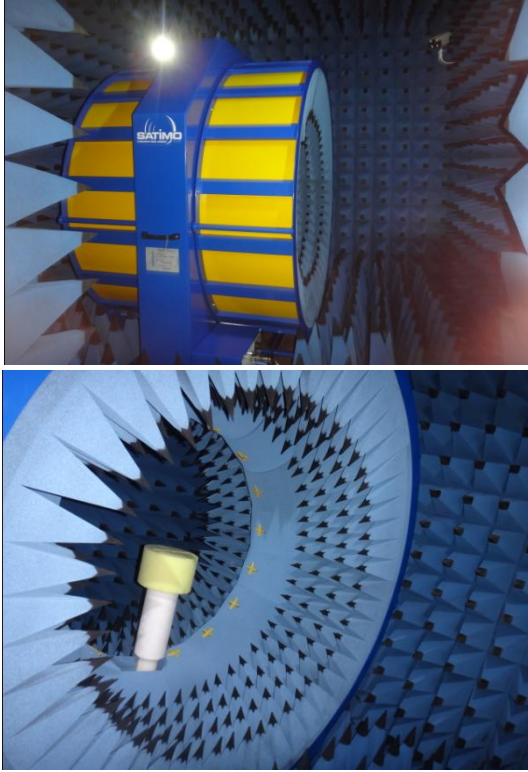


测试报告



| | | | |
|-------|-----------|-------|------------|
| 客户名称 | 积加 | 项目名称 | CG9 |
| 调试频段 | WIFI 2.4G | 结构方式 | 钢片 |
| 射频工程师 | 刘工 | 结构工程师 | 杜工 |
| 天线类型 | PIFA | 日期 | 2023-07-25 |



原装进口法国 SATIMO 公司 StarLab 3D 实验室, 能精确快速的测试手机、平板电脑和笔记本等通信终端产品的 TRP、TIS、效率、增益、苹果图、方向图等参数数据。

- ◆ 报告版本提要
- ◆ 各天线匹配电路及无源参数
- ◆ 传导数据
- ◆ 主天线 OTA 测试数据
- ◆ 整机环境处理
- ◆ 调试过程中风险提示
- ◆ 总结

报告版本提要

| 版本 | 日期 | 内容概况 |
|----|------------|----------|
| V1 | 2023-06-28 | 天线测试报告 |
| V2 | 2023-07-04 | 样品天线测试报告 |
| V3 | 2023-07-25 | 样品天线测试报告 |
| V4 | | |
| V5 | | |
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无源驻波:



| Freq (MHz) | Effi (%) | Gain (dBi) |
|------------|----------|------------|
| 2400 | 57.79 | 1.61 |
| 2410 | 59.05 | 1.54 |
| 2420 | 63.46 | 1.83 |
| 2430 | 62.82 | 1.83 |
| 2440 | 62.91 | 2.25 |
| 2450 | 62.08 | 2.47 |
| 2460 | 63.95 | 2.55 |
| 2470 | 60.75 | 2.25 |
| 2480 | 62.05 | 2.26 |
| 2490 | 60.76 | 2.05 |
| 2500 | 60.7 | 1.93 |

深圳市安弗特电子有限公司

AFT tech Electronic Co., Ltd. (Shenzhen)

WiFi 天线 OTA 测试数据:

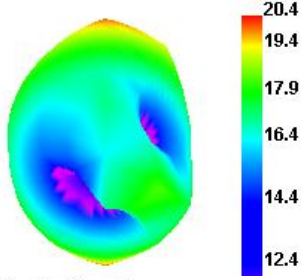
| Band | 2.4G B 模-11M | | | | | | |
|----------|--------------|-------|-------|-------|-------|-------|-------|
| Channel | 1 | 3 | 5 | 7 | 9 | 11 | 13 |
| TRP(dBm) | 14.4 | 15.3 | 15.4 | 14.4 | 15.3 | 15.7 | 15.5 |
| TIS(dBm) | -85.9 | -84.8 | -84.1 | -85.2 | -88.5 | -88.7 | -88.5 |

| Band | 2.4G G 模-54M | | |
|----------|--------------|-------|-------|
| Channel | 1 | 3 | 5 |
| TRP(dBm) | 12.3 | 12.7 | 15.9 |
| TIS(dBm) | -69.2 | -71.5 | -73.5 |

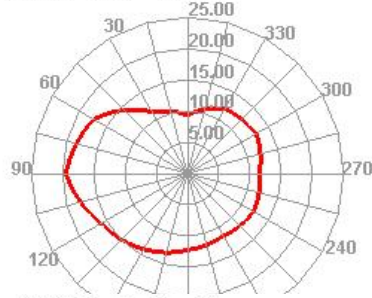
| Band | 2.4G N 模-65M | | |
|----------|--------------|-------|-------|
| Channel | 1 | 3 | 5 |
| TRP(dBm) | 16.0 | 16.4 | 15.9 |
| TIS(dBm) | -69.7 | -71.2 | -70.5 |

苹果图、方向图：**B 模**

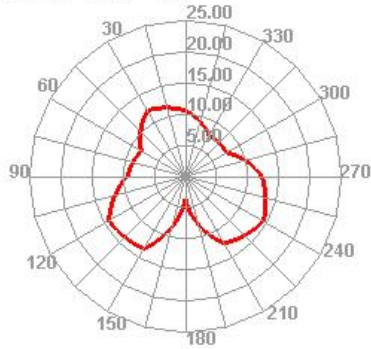
Wifi 1 TRP



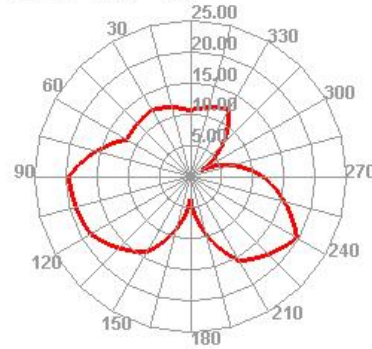
Wifi 1 TRP H



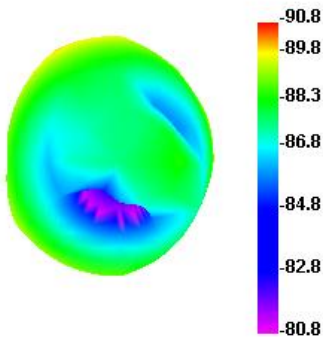
Wifi 1 TRP E1



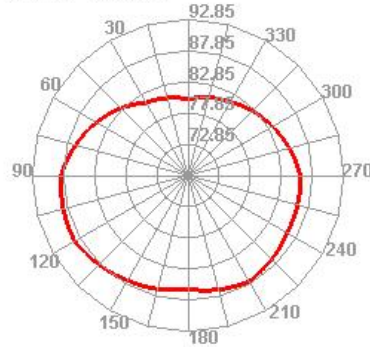
Wifi 1 TRP E2



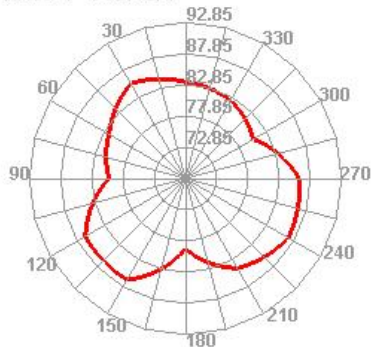
Wifi 1 TIS



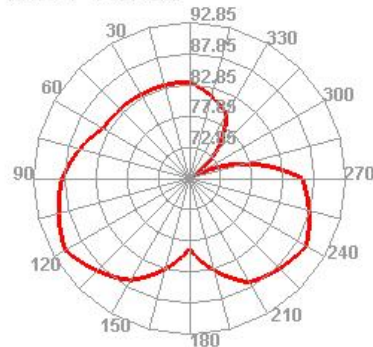
Wifi 1 TIS H



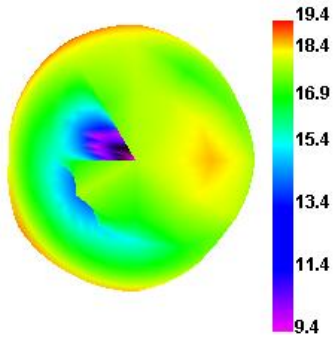
Wifi 1 TIS E1



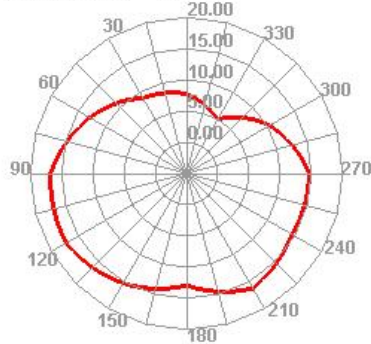
Wifi 1 TIS E2



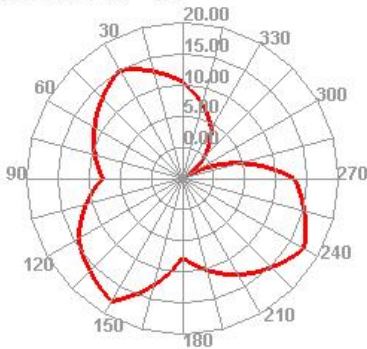
Wifi 3 TRP



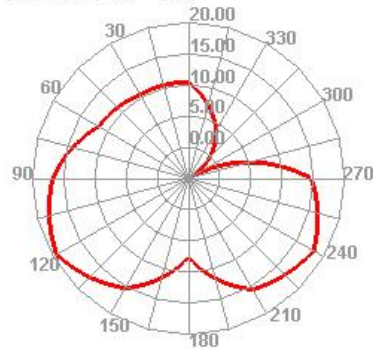
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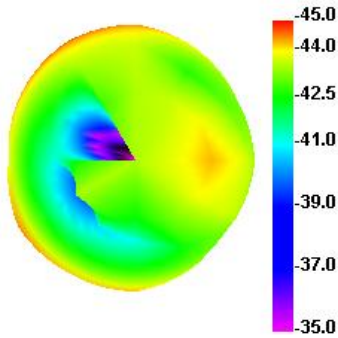
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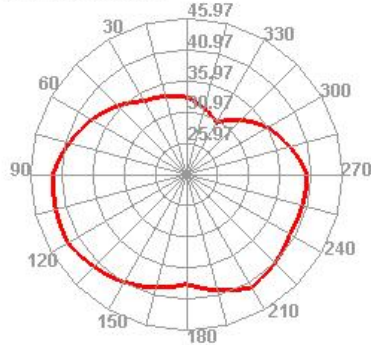
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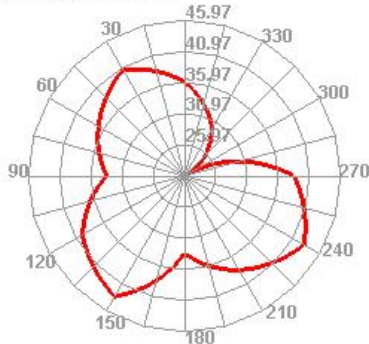
Wifi 3 TIS



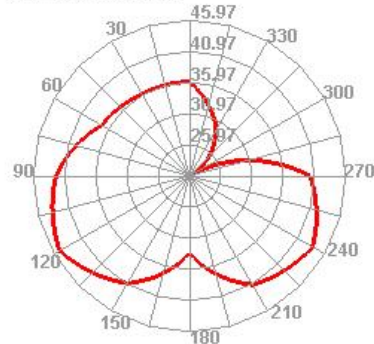
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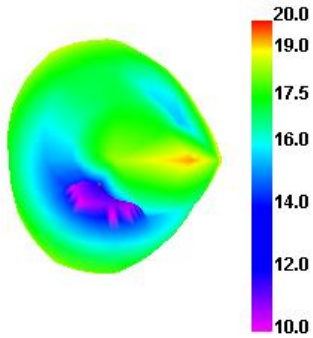
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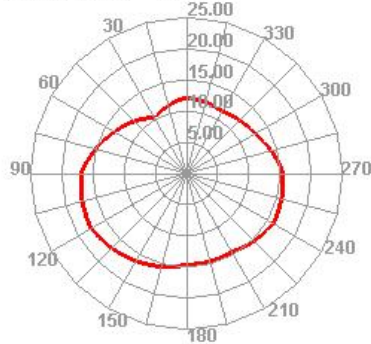
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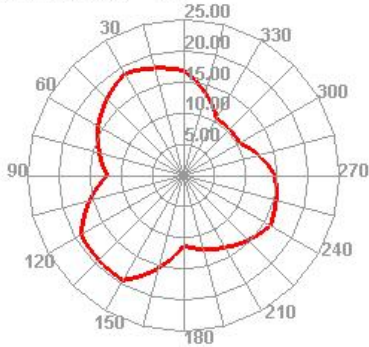
Wifi 5 TRP



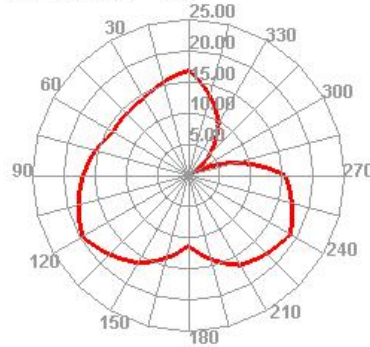
Wifi 5 TRP H



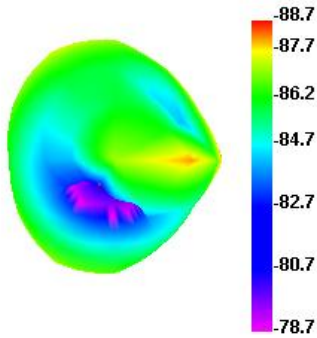
Wifi 5 TRP E1



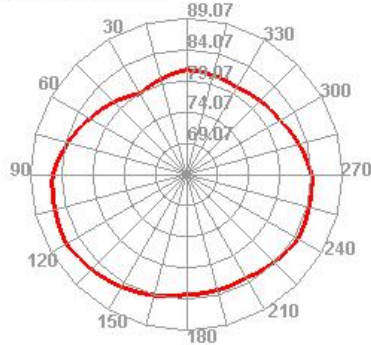
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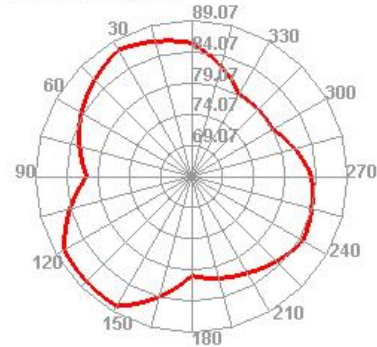
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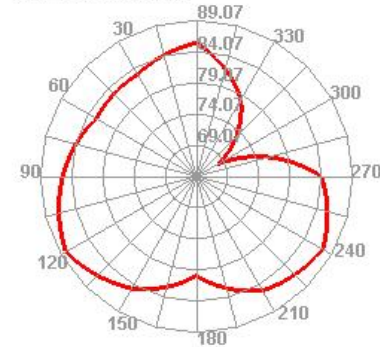
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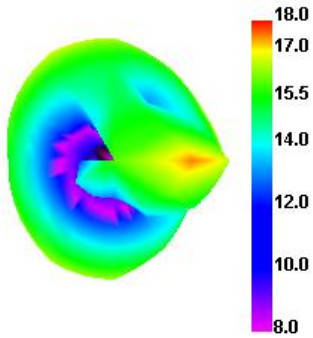
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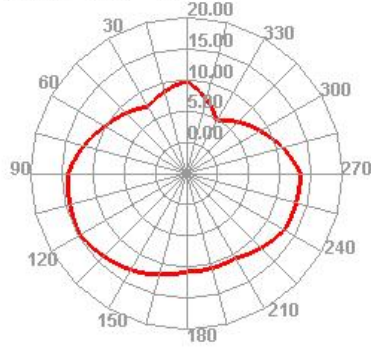
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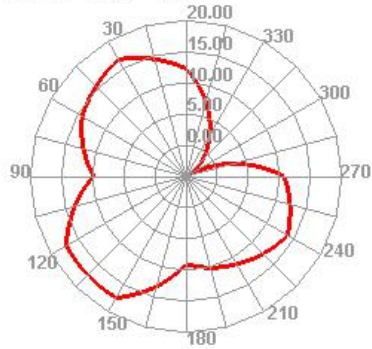
Wifi 7 TRP



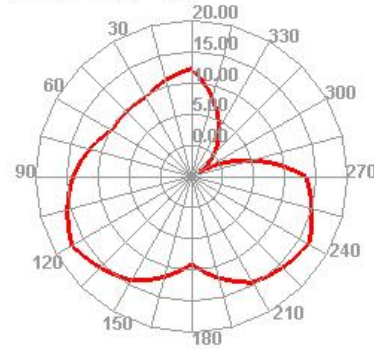
Wifi 7 TRP H



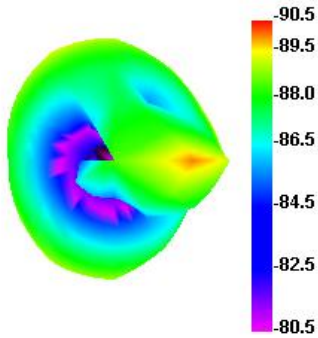
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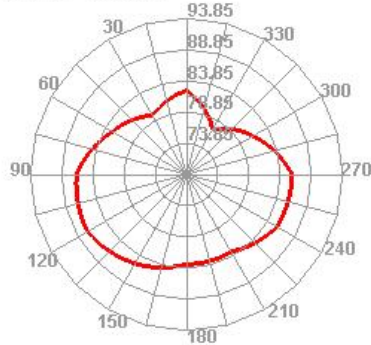
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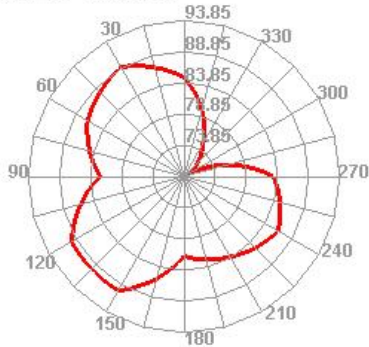
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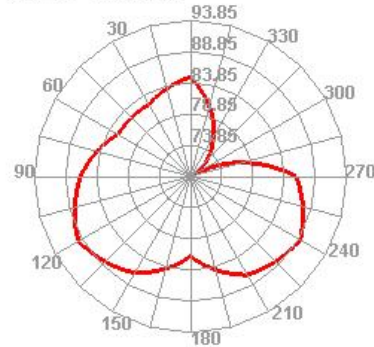
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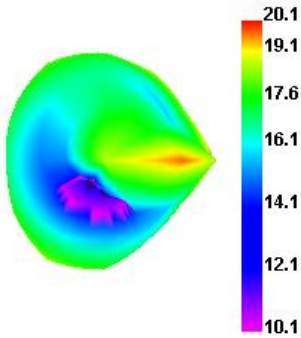
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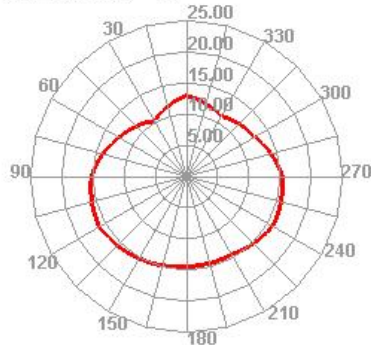
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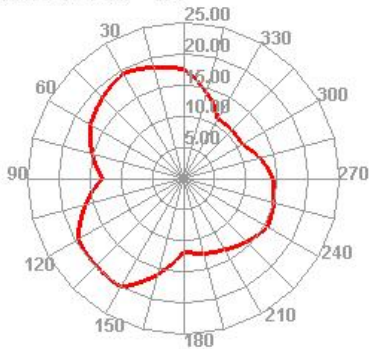
Wifi 9 TRP



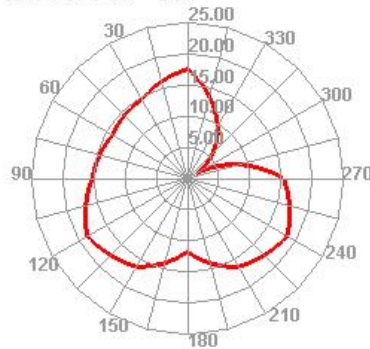
Wifi 9 TRP H



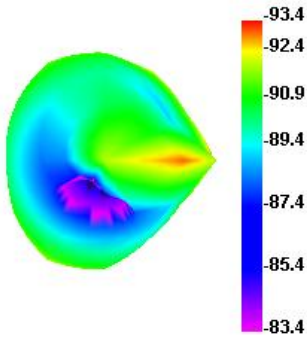
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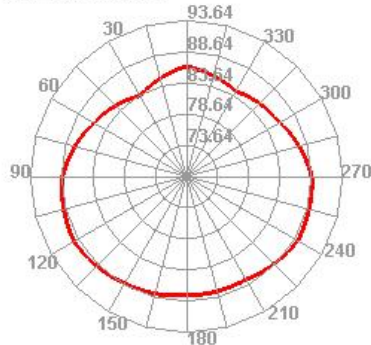
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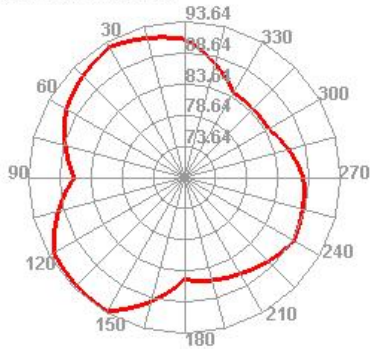
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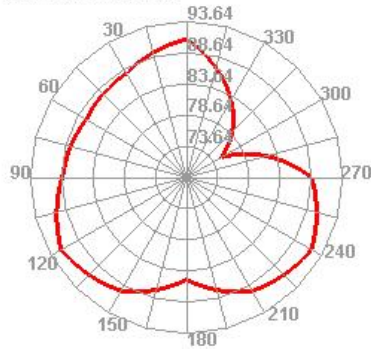
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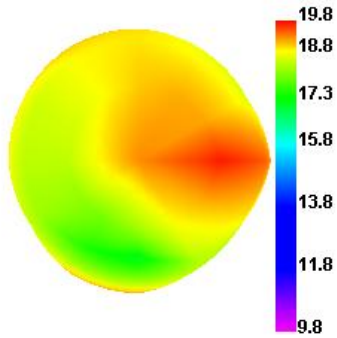
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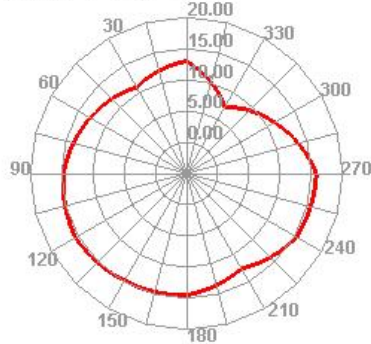
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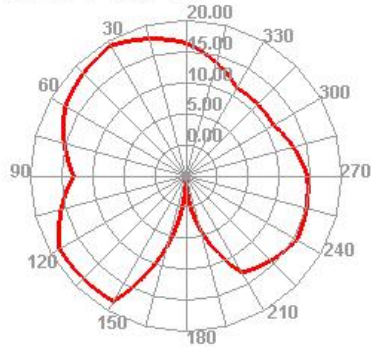
Wifi 11 TRP



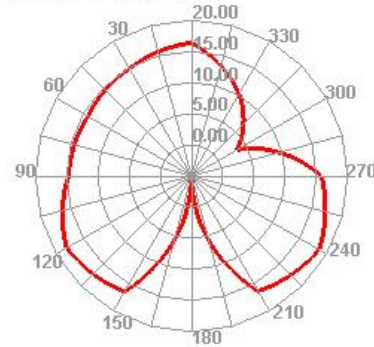
Wifi 11 TRP H



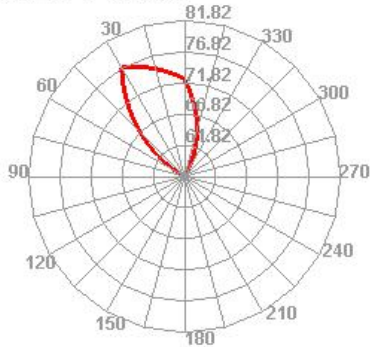
Wifi 11 TRP E1



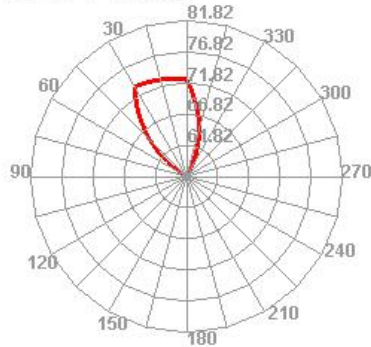
Wifi 11 TRP E2



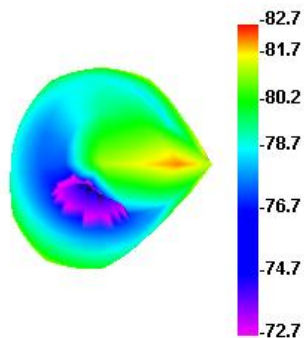
Wifi 11 TIS E1



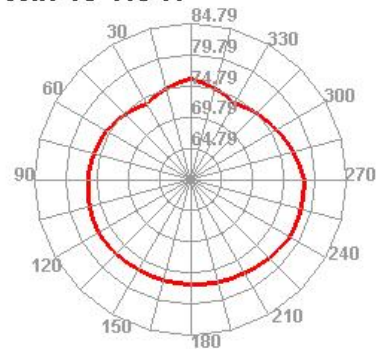
Wifi 11 TIS E2



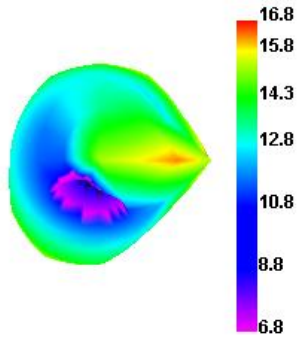
Wifi 13 TIS



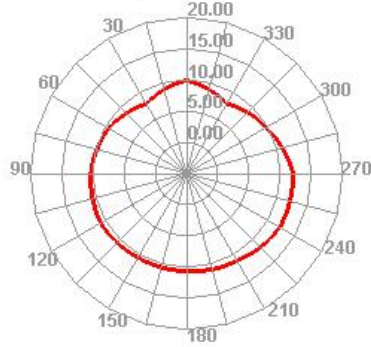
Wifi 13 TIS H



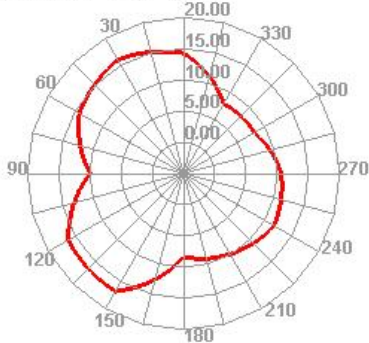
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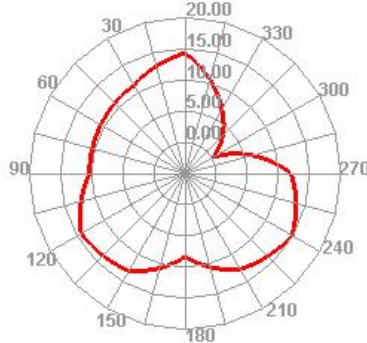
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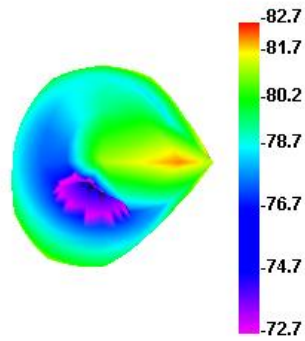
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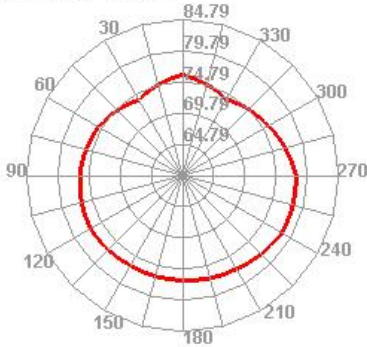
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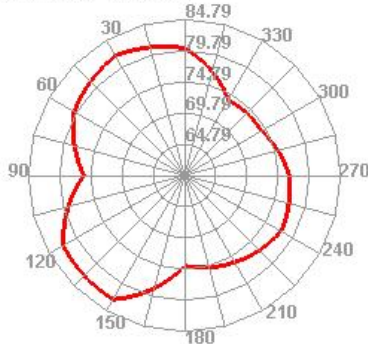
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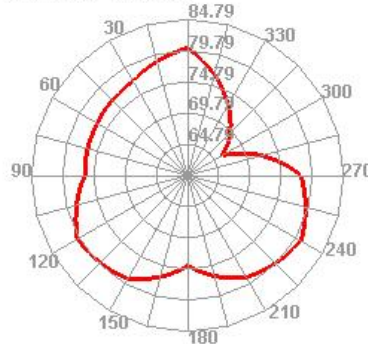
Wifi 13 TIS H



Wifi 13 TIS E1

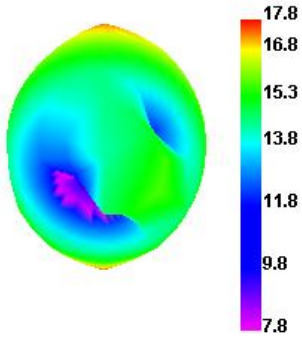


Wifi 13 TIS E2

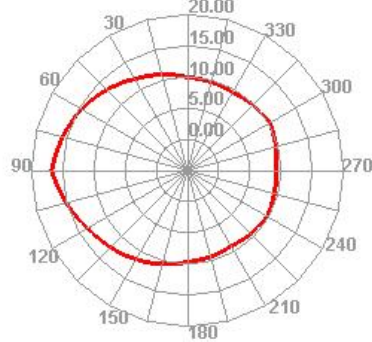


G 模

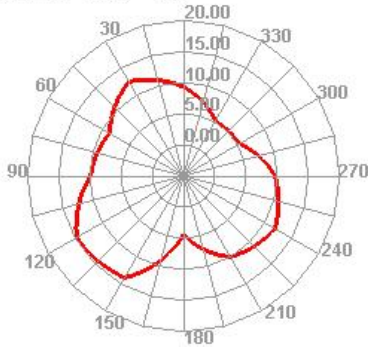
Wifi 1 TRP



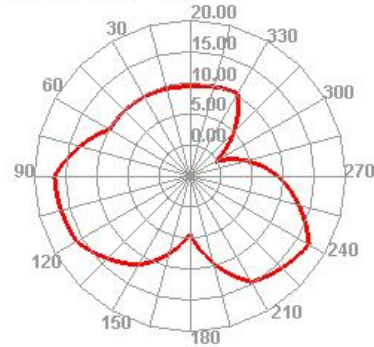
Wifi 1 TRP H



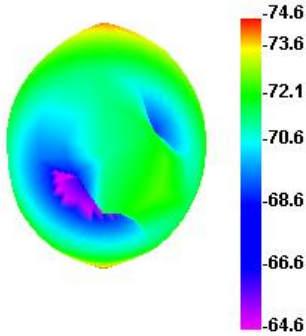
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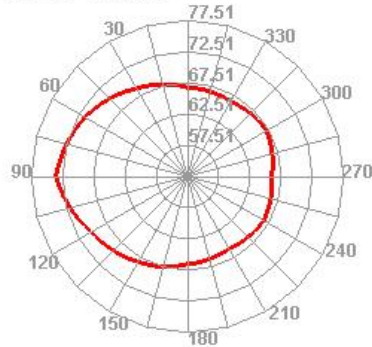
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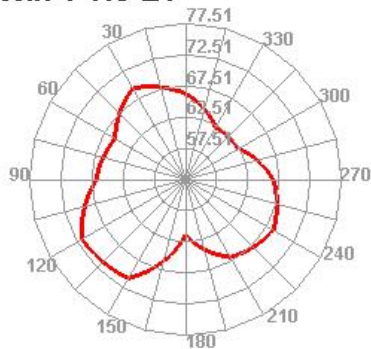
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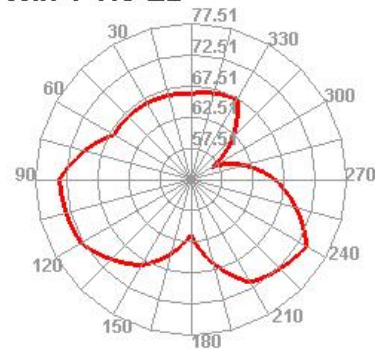
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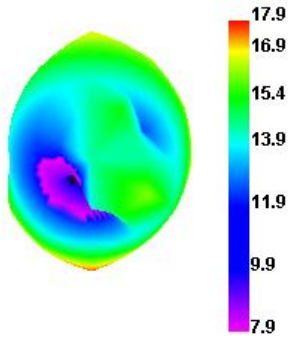
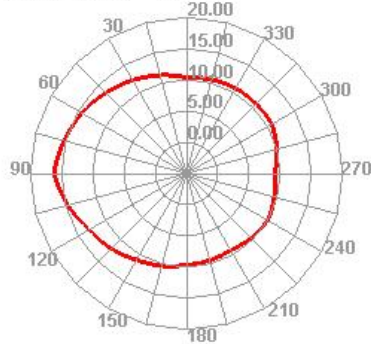
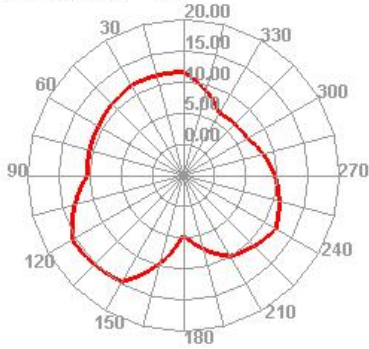
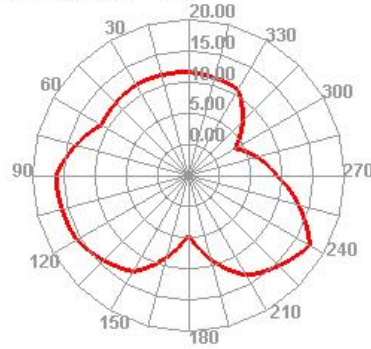
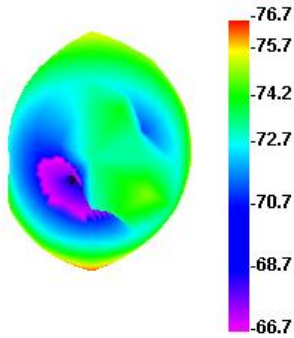
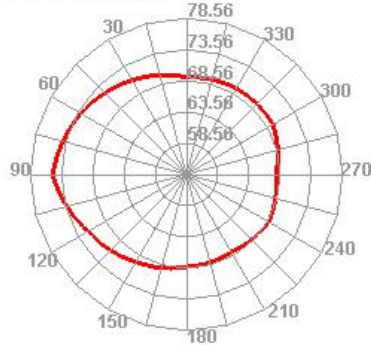
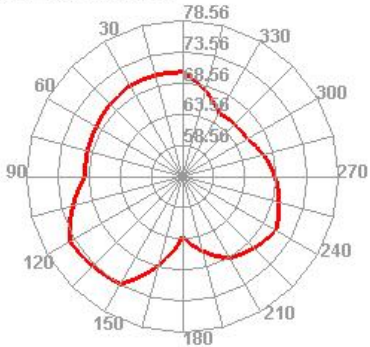
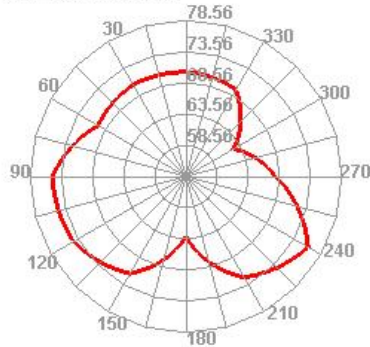


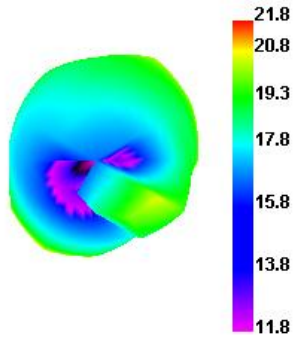
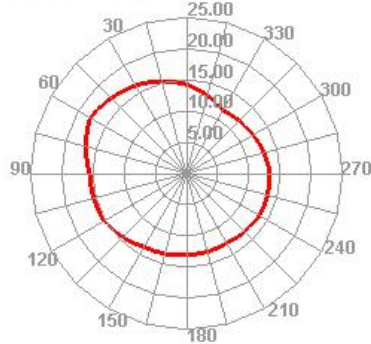
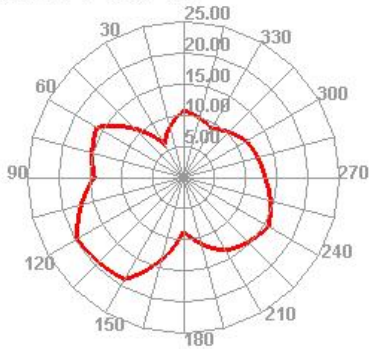
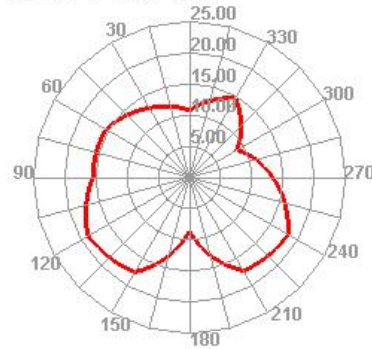
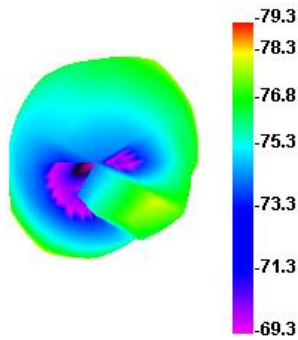
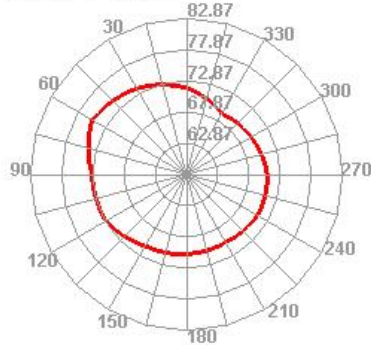
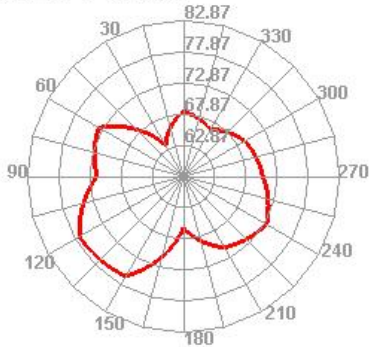
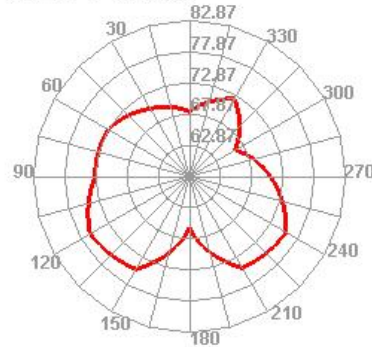
Wifi 1 TIS E1



Wifi 1 TIS E2

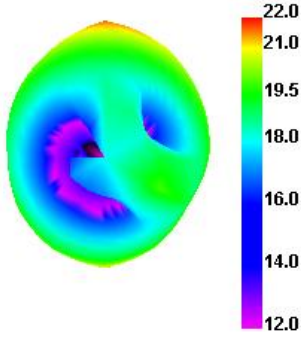


Wifi 6 TRP

Wifi 6 TRP H

Wifi 6 TRP E1

Wifi 6 TRP E2

Wifi 6 TIS

Wifi 6 TIS H

Wifi 6 TIS E1

Wifi 6 TIS E2


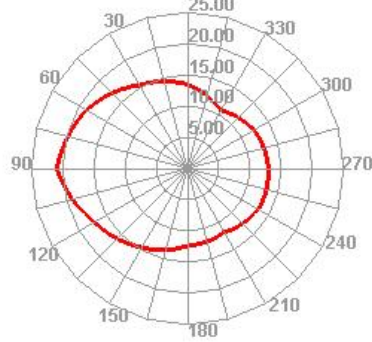
Wifi 11 TRP

Wifi 11 TRP H

Wifi 11 TRP E1

Wifi 11 TRP E2

Wifi 11 TIS

Wifi 11 TIS H

Wifi 11 TIS E1

Wifi 11 TIS E2


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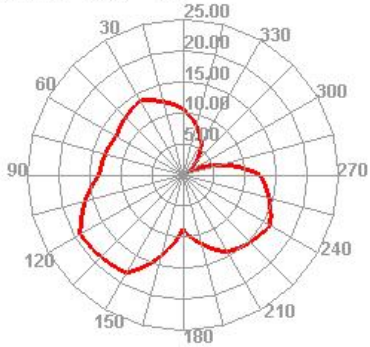
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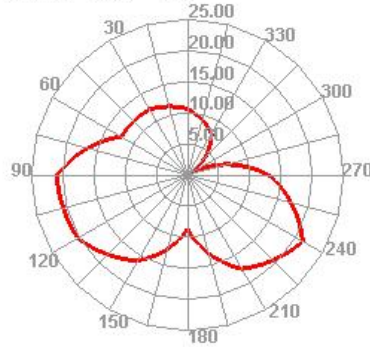
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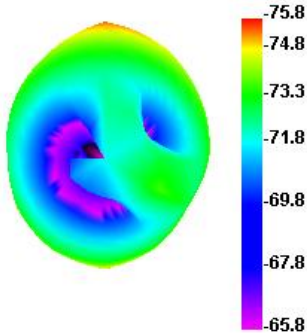
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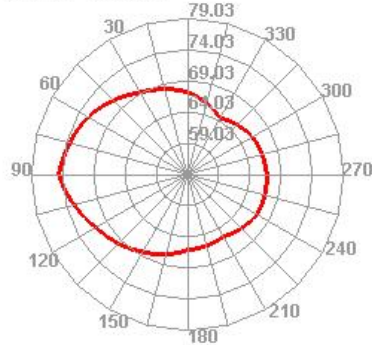
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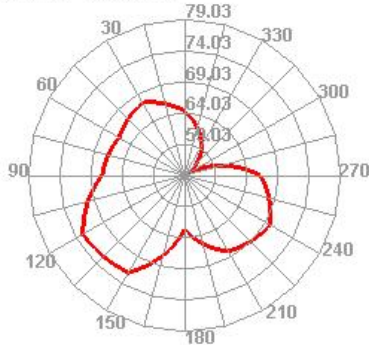
Wifi 1 TIS



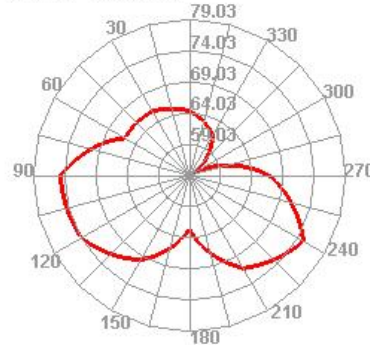
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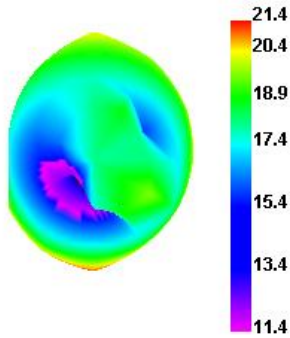
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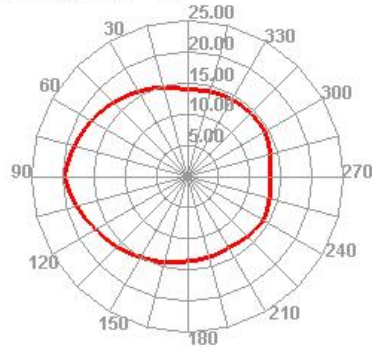
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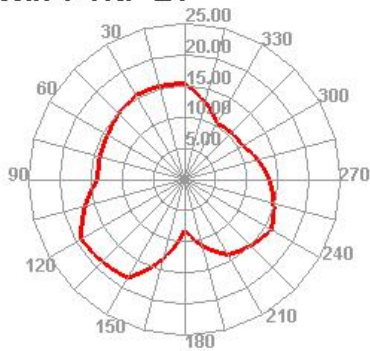
Wifi 6 TRP



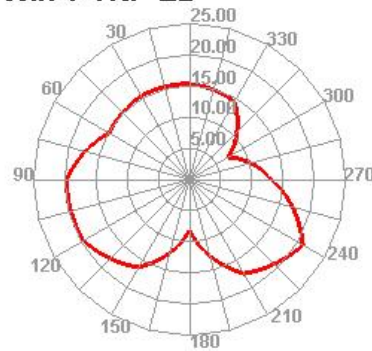
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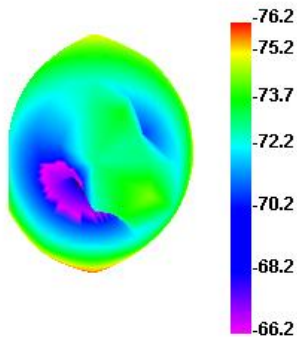
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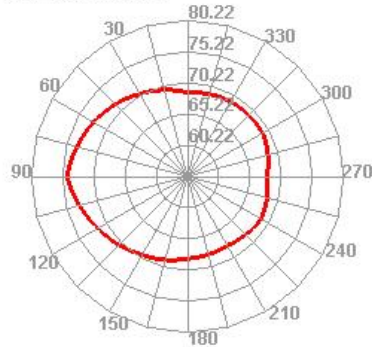
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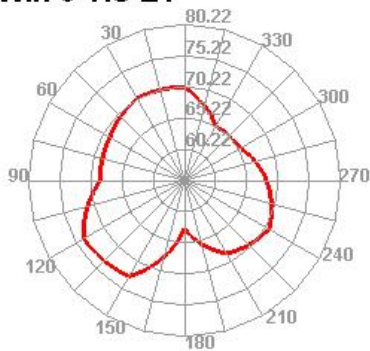
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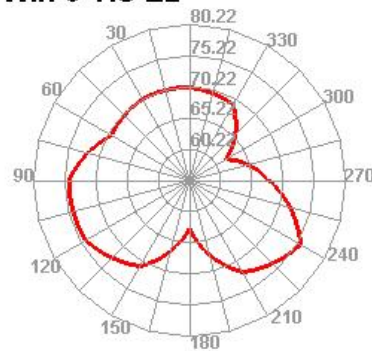
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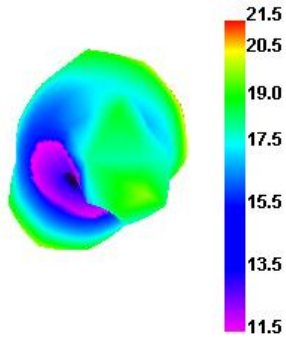
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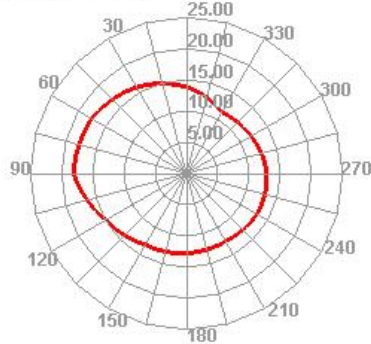
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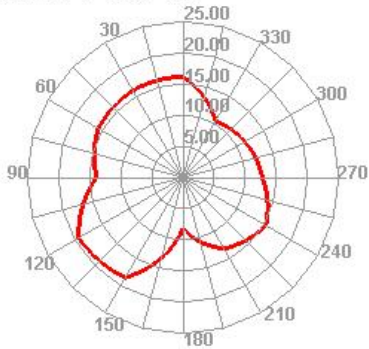
Wifi 11 TRP



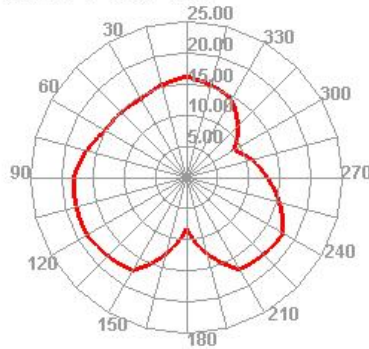
Wifi 11 TRP H



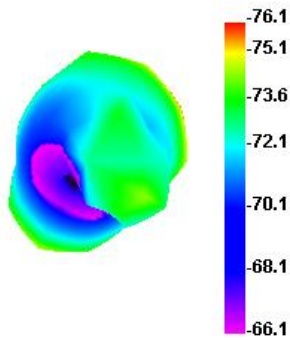
Wifi 11 TRP E1



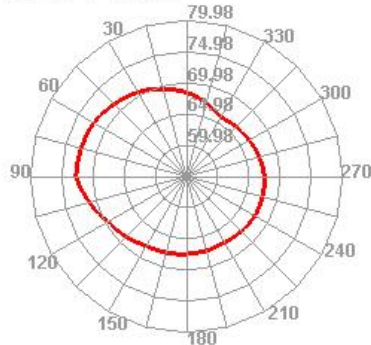
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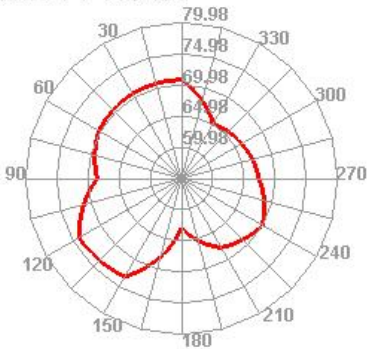
Wifi 11 TIS



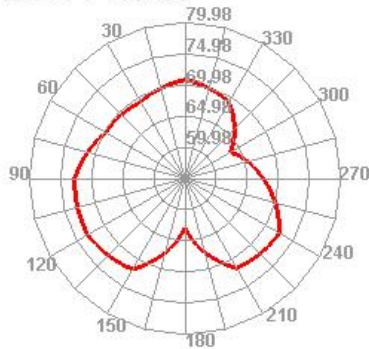
Wifi 11 TIS H



Wifi 11 TIS E1



Wifi 11 TIS E2





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