

|   | Name        | type | specification              | manufacturer                           | remark                                                                                      |
|---|-------------|------|----------------------------|----------------------------------------|---------------------------------------------------------------------------------------------|
| 1 | FPC antenna | Ipex | 2400~2500<br>5000~6000 MHz | Xiamen JI HE<br>Communication Co., Ltd | Xiamen Torch Hi-tech Industrial Park,<br>Software Park III, No. 1015, Jimei North<br>Avenue |

# 承认书

## Specification for Approval

|                          |                       |
|--------------------------|-----------------------|
| 客户名称: Customer:          | 爱印                    |
| 规格描述: Part name:         | FSC-256B_D-358_V1 FPC |
| 料号: Part No. :           | ZH100301              |
| 客户料号:Customer Part No. : |                       |

| 客户承认印 <b>Customer Approved By</b> |          |            |
|-----------------------------------|----------|------------|
| 审核 APPROVAL                       | 主管 CHIEF | 工程师 DESIGN |
|                                   |          |            |

| 供方确认 <b>Supplier Confirmed</b>                                                                                                                                                                               |             |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
|                                                                                                                                                                                                              | 主管 CHIEF    | 工程师 DESIGN  |
|                                                                                                                                                                                                              | Jack        | 李想          |
|                                                                                                                                                                                                              | 2025. 8. 13 | 2025. 8. 13 |
| 技术支持 <b>Technical Support</b>                                                                                                                                                                                |             |             |
| 若您对以下规格或 RF 产品有什么疑问随时致电联系<br>If you have any questions about the following Specifications or RF product Keep Call<br>Phone: 18350272787 E-Mail: <a href="mailto:li.jinkun@mhzrf.com">li.jinkun@mhzrf.com</a> |             |             |

## 目录

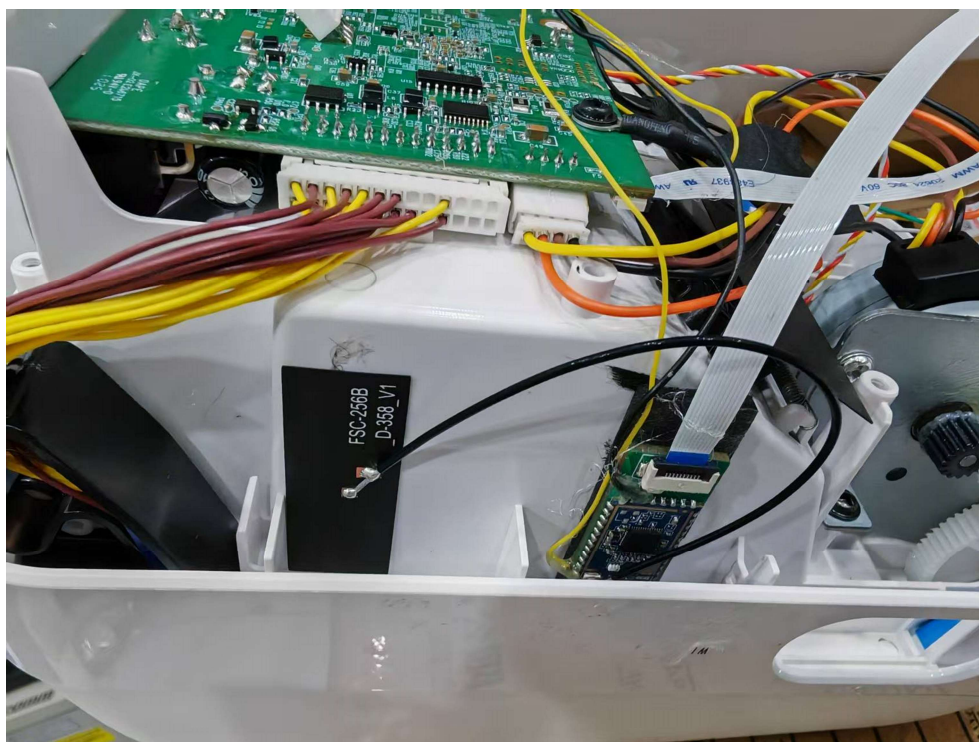
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| 版本/Rev                            | 拟制/Formulate | 日期/Date     | 内容/Content |
| 01                                | 李想           | 2025. 8. 13 | 新订承认书      |
|                                   |              |             |            |
|                                   |              |             |            |
|                                   |              |             |            |
|                                   |              |             |            |

## 客户产品图



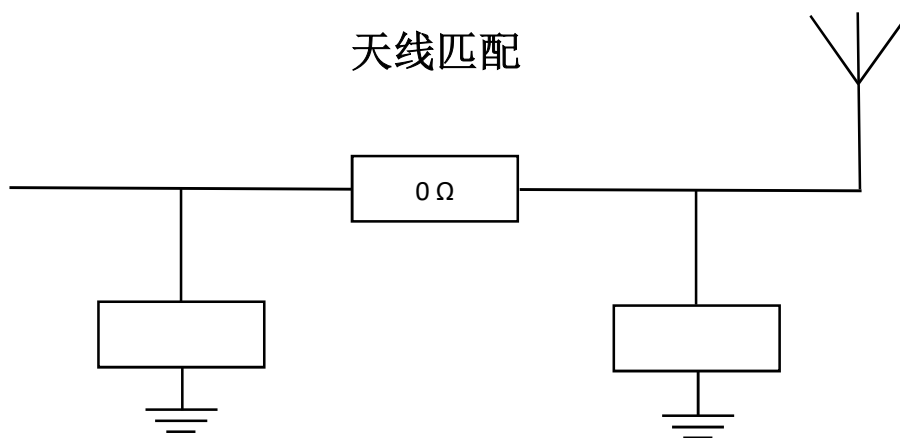
## 装配方式



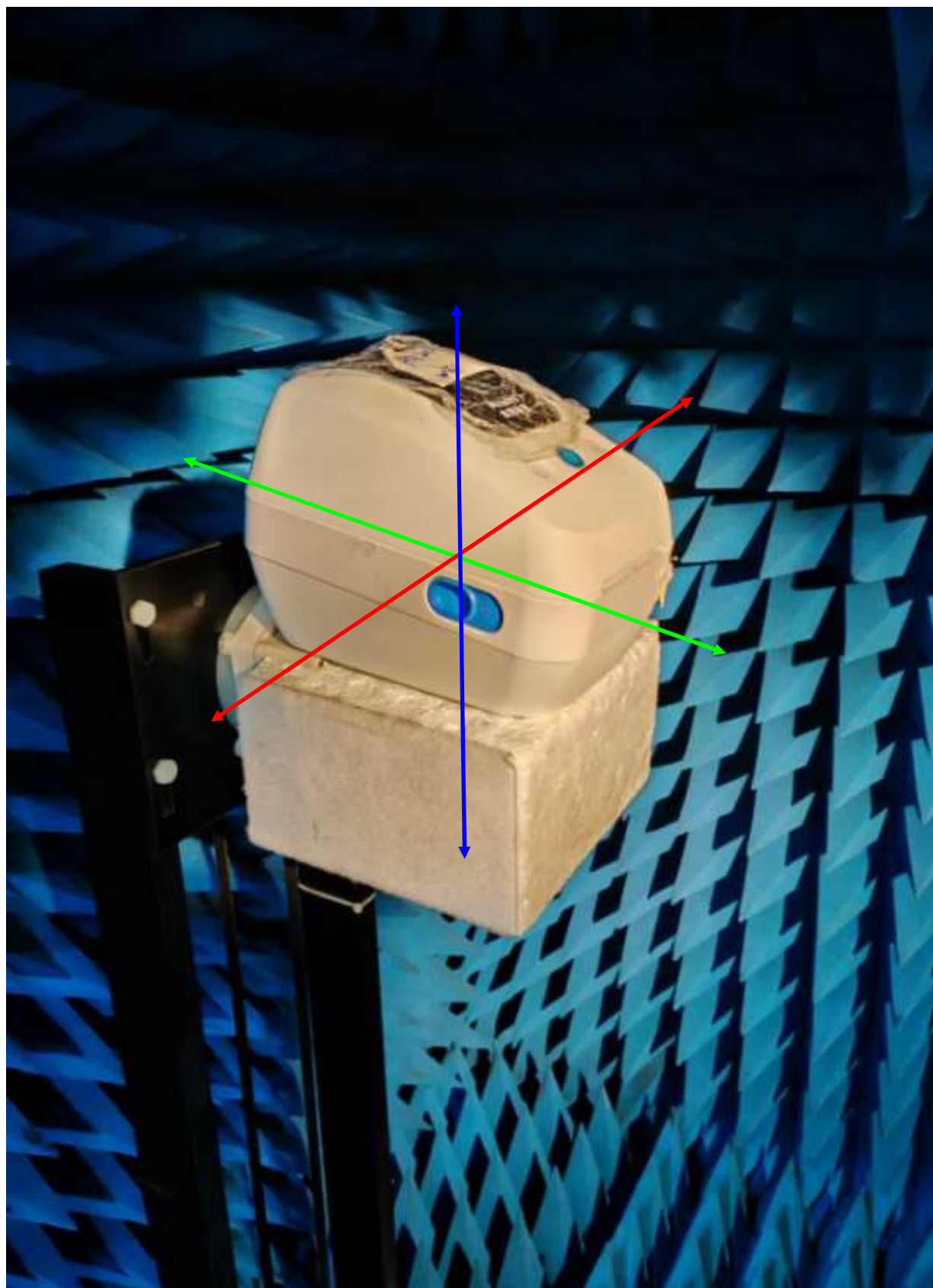
## 天线特性

| 产 品 类 型 / product type | FPC antenna             |
|------------------------|-------------------------|
| DESCRIPTION            | VALUE                   |
| Frequency Range (工作频段) | 2400~2500 5000~6000 MHz |
| V.S.W.R(电压驻波比)         | 对比样品波型 (空测)             |
| Impedance (特性阻抗)       | 50 $\Omega$             |
| Gain (增益)              | 0-2 dBi                 |
| Radiation (方向性)        | Omni-directional        |
| Radiating element      | 1/4 Wave Helical        |
| Polarization (线化方式)    | Linear Vertical         |
| Admitted power (功率)    | 2W                      |
| Connector (接头型号)       | Ipex                    |
| Operating temp (工作温度)  | -40℃~+85℃               |

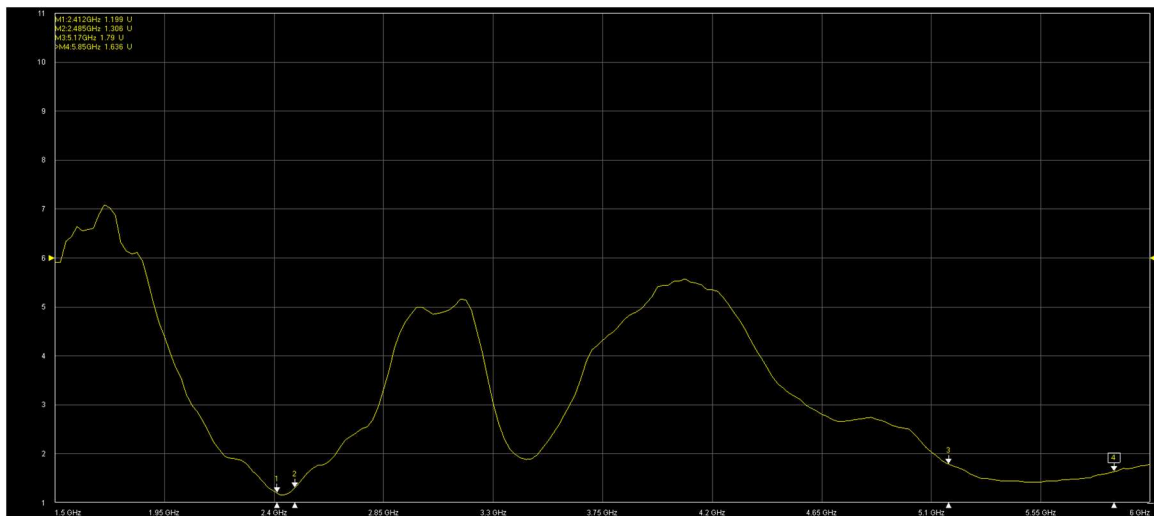
## 天线匹配



OTA 暗室图



## 驻波比



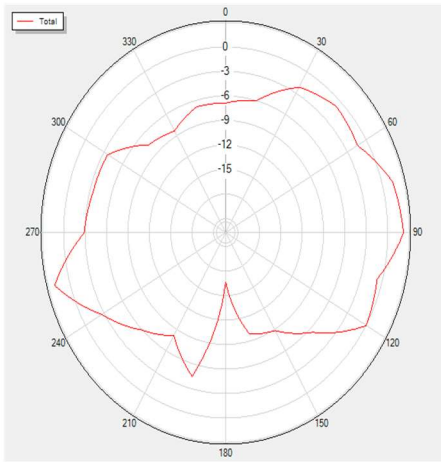
## 无源效率

| FREQUENCY | EFFICIENCY | GAIN |
|-----------|------------|------|
| 2400      | 43.1%      | 1.8  |
| 2420      | 45.2%      | 1.7  |
| 2440      | 41.0%      | 1.3  |
| 2460      | 42.0%      | 1.4  |
| 2480      | 42.8%      | 1.3  |
| 2500      | 37.7%      | 0.7  |
| 5150      | 53.1%      | 0.1  |
| 5200      | 50.2%      | 0.4  |
| 5250      | 46.2%      | 0.1  |
| 5300      | 46.2%      | 0.5  |
| 5350      | 44.4%      | 0.7  |
| 5400      | 48.2%      | 0.5  |
| 5450      | 47.3%      | 0.1  |
| 5500      | 45.4%      | 1.0  |
| 5550      | 45.0%      | 0.8  |
| 5600      | 44.0%      | 0.9  |
| 5650      | 54.4%      | 1.0  |
| 5700      | 49.4%      | 1.0  |
| 5750      | 52.1%      | 0.3  |
| 5800      | 46.2%      | 0.2  |
| 5850      | 51.2%      | 0.1  |

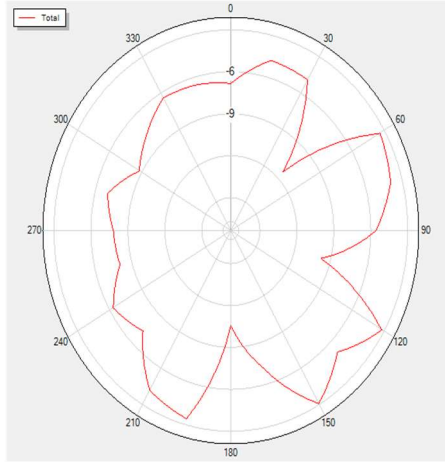
## 场形图(Field pattern diagram)

### 2. 4G 频段

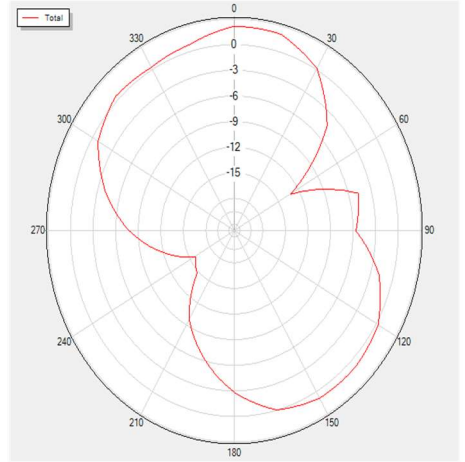
2400P0 Total



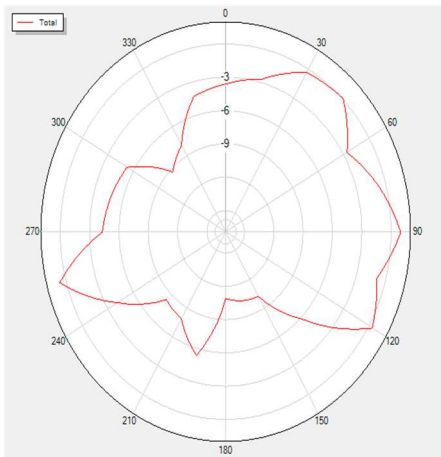
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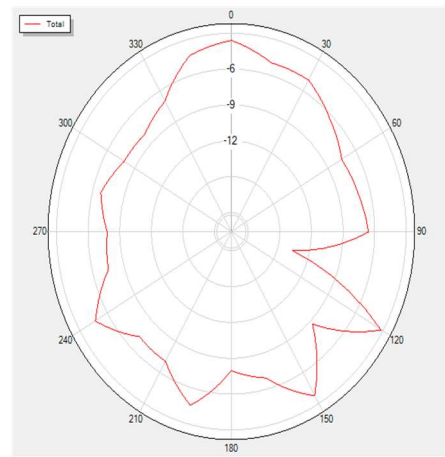
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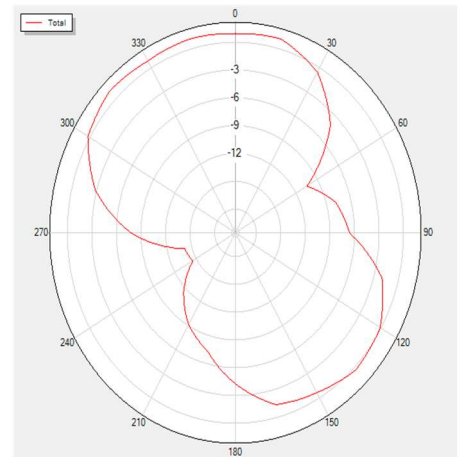
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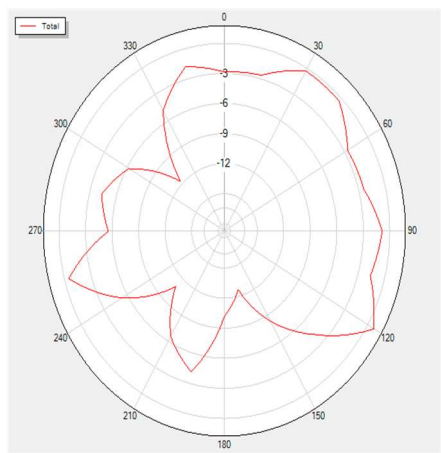
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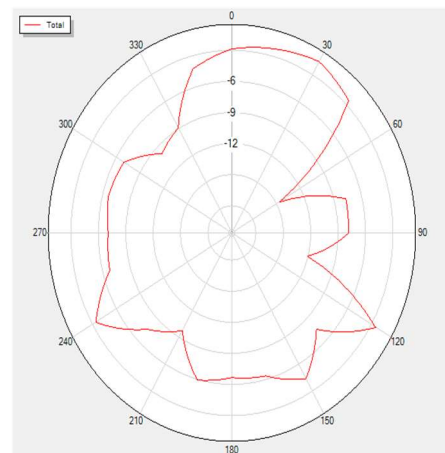
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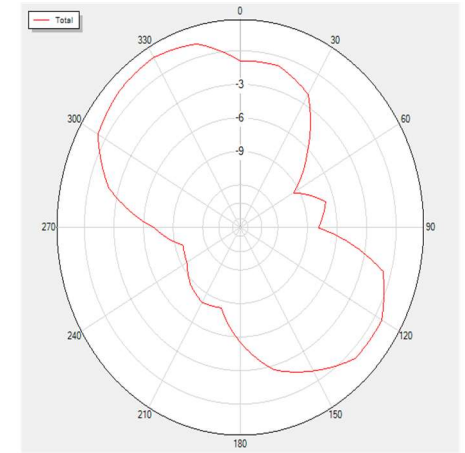
2480P0 Total



2480P90 Total

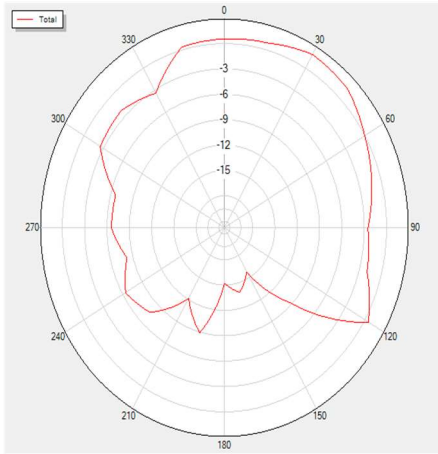


2480T90 Total

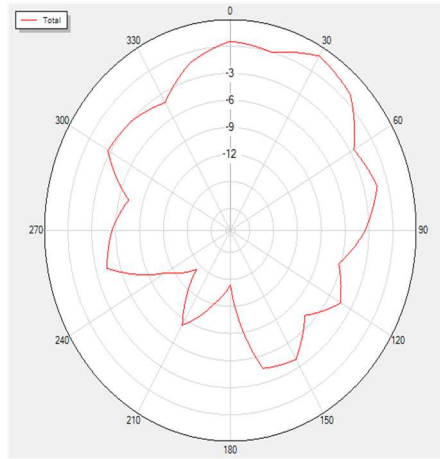


## 5G 频段

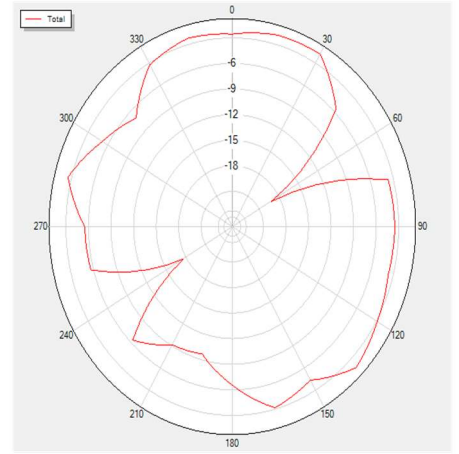
5150P0 Total



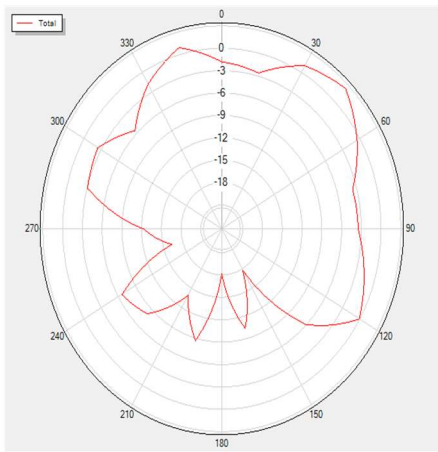
5150P90 Total



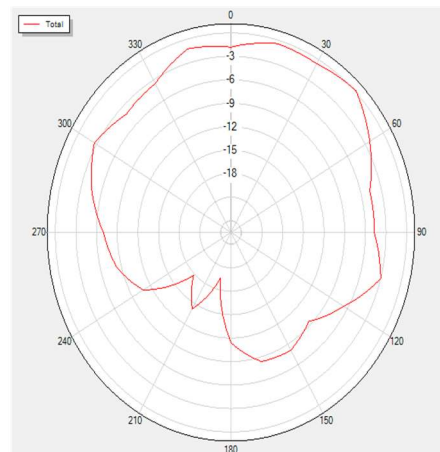
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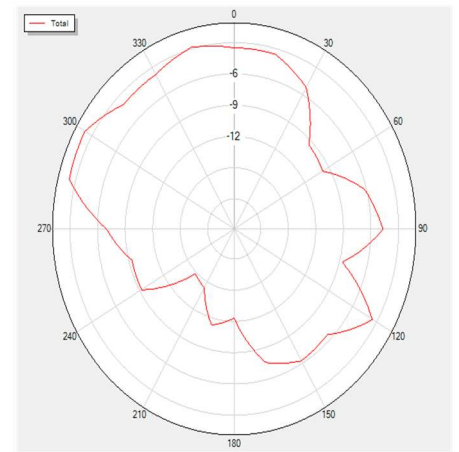
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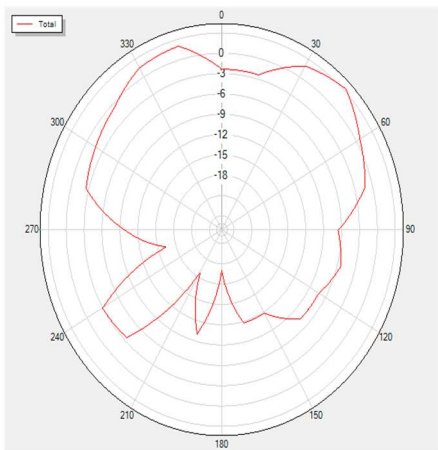
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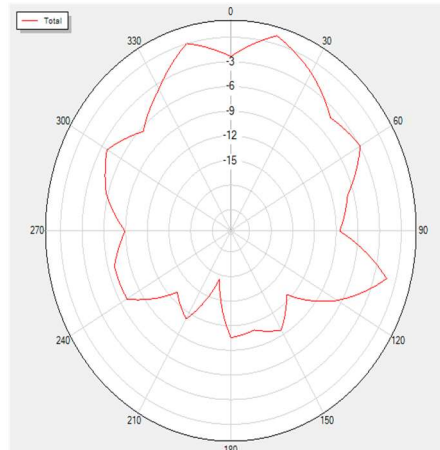
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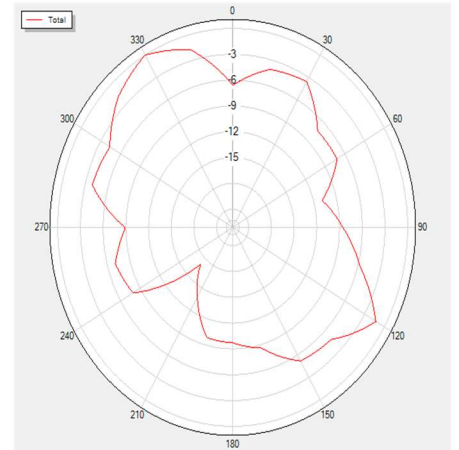
5850P0 Total



5850P90 Total



5850T90 Total



图纸(Drawing)

