

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication

规格承认书

|                      |           |
|----------------------|-----------|
| 客户<br>CUSTOMER       | 锐图        |
| 客户料号<br>CUSTOMER NO. | PJ505     |
| 供方品名<br>PART NAME    | 蓝牙 BT 天线  |
| 规格名称<br>SUPPLIER NO. | Bluetooth |

|                                 |             |                  |
|---------------------------------|-------------|------------------|
| 客户确认<br>CUSTOMER    APPROVED BY |             |                  |
| 检验<br>APPROVAL                  | 审核<br>CHIEF | 批准<br>SUPERVISOR |
|                                 |             |                  |

|              |             |                |
|--------------|-------------|----------------|
| 设计<br>DESIGN | 审核<br>CHECK | 批准<br>APPROVAL |
| Luo          | Robert      | SHANG          |

Date:May 20,2025

DIRECTORY

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|            |                                  |                           |                  |
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|            |                                  |                           |                  |

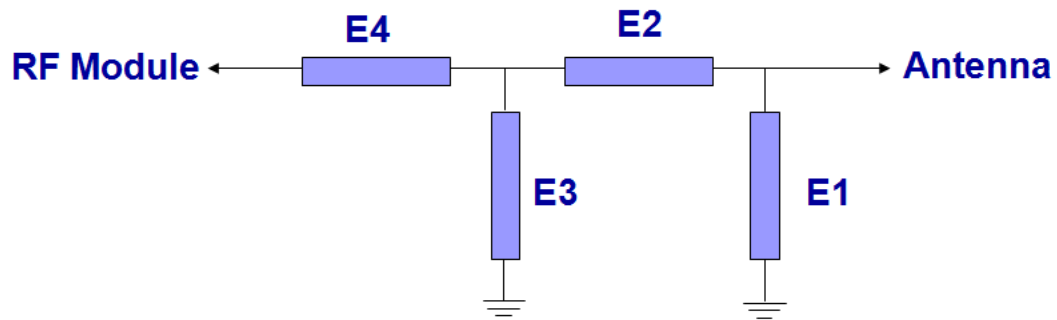
电性测试报告

**TEST REPORTS**

|                          |                     |
|--------------------------|---------------------|
| 频率<br>Frequency          | BT(2400MHz~2500MHz) |
| 阻抗<br>Impedance          | 50 Ohm Nominal      |
| 驻波比<br>V.S.W.R           | <2.0                |
| 回波损耗<br>Return Loss      | -10dB Max           |
| 辐射<br>Radiation          | Omni-directional    |
| 增益<br>Gain(Peak)         | 2.4G:0.89dBi        |
| 极化方式<br>Polarization     | Linear,Vertical     |
| 功率<br>Admitted Power     | 1W                  |
| 连接器<br>Connector         |                     |
| Physical Properties      |                     |
| 天线材质<br>Antenna Material |                     |
| 线材类型<br>Cable Type       |                     |
| 工作温度<br>Operating Temp.  | -10-+60℃            |
| 存储温度<br>Storage Temp.    | -10-+70℃            |
| 线材颜色<br>Cable Color      |                     |

## 匹配电路

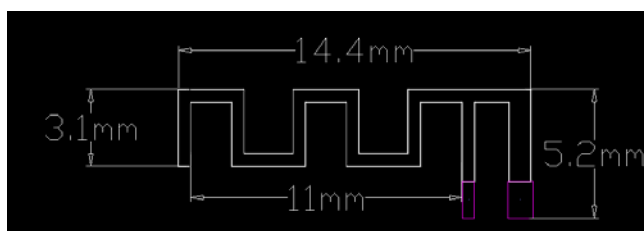
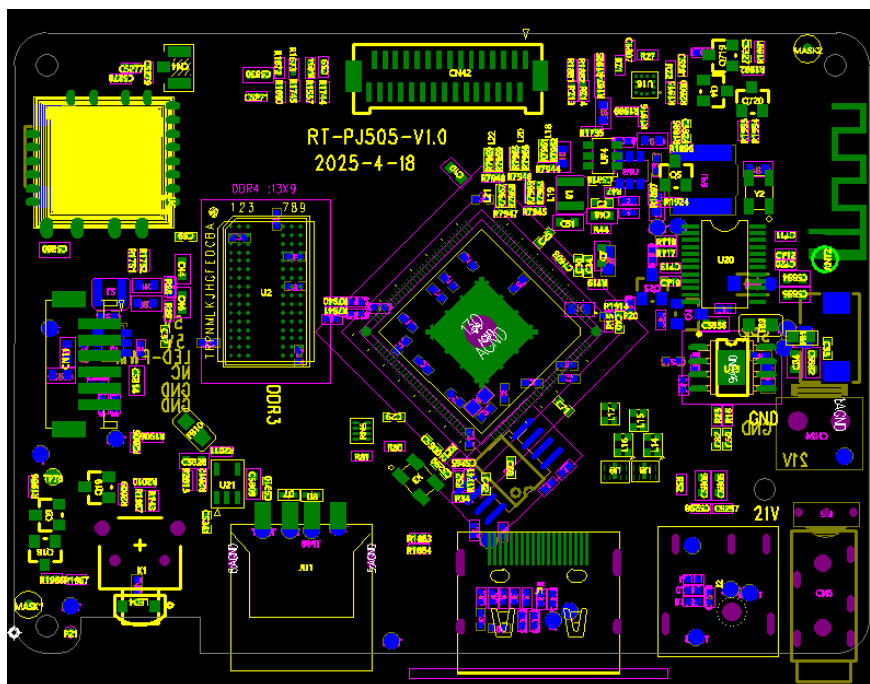
# Matching Circuits



匹配电路

The original matching circuit has not been modified

EUT appearance



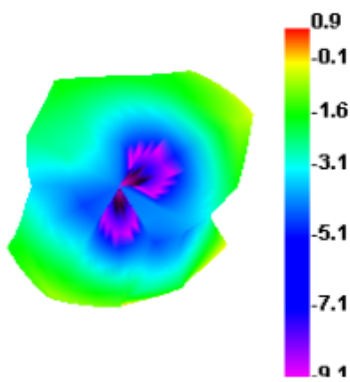
**DRAWING**

无源测试数据

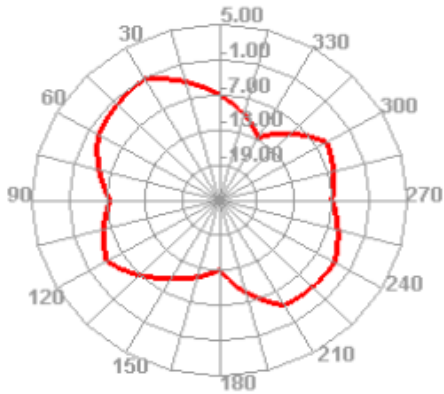
| Freq<br>(MHz) | Effi<br>(%) | Gain<br>(dBi) |
|---------------|-------------|---------------|
| 2400          | 33.75       | 0.89          |
| 2410          | 27.27       | 0.19          |
| 2420          | 25.09       | -0.03         |
| 2430          | 21.49       | -0.64         |
| 2440          | 22.02       | -0.38         |
| 2450          | 23.36       | 0.08          |
| 2460          | 24.71       | 0.42          |
| 2470          | 21.07       | -0.44         |
| 2480          | 12.77       | -2.9          |
| 2490          | 12.92       | -3.02         |
| 2500          | 10.01       | -4.26         |

3D 方向图

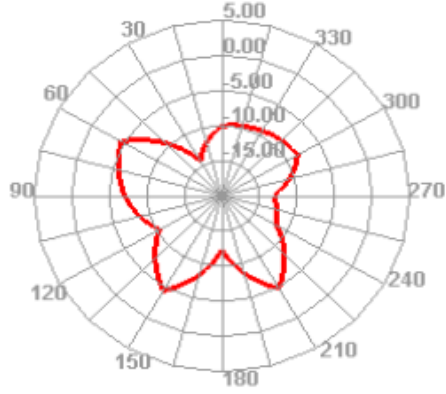
2400.000MHz



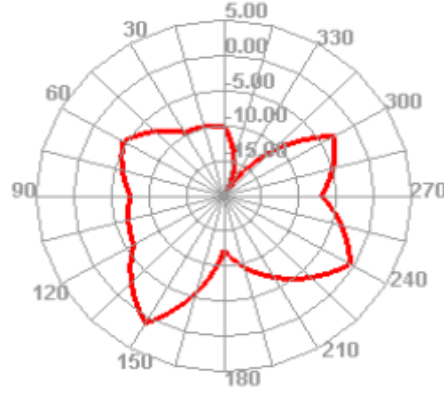
2400.000MHz H



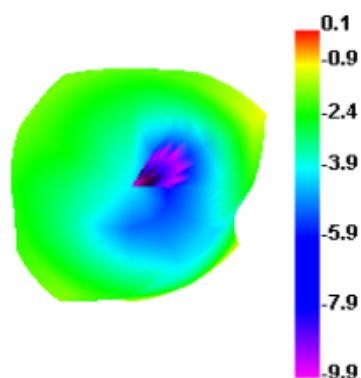
2400.000MHz E1



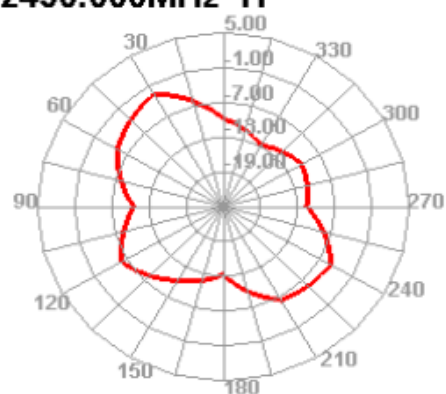
2400.000MHz E2



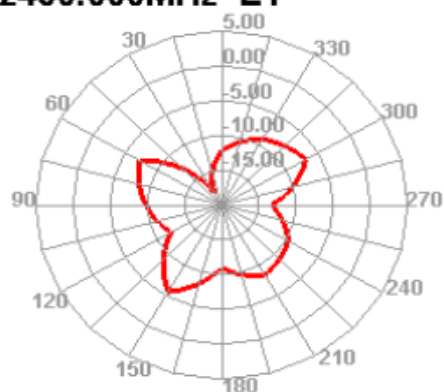
2450.000MHz



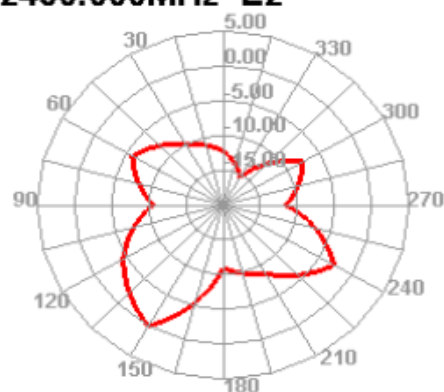
2450.000MHz H



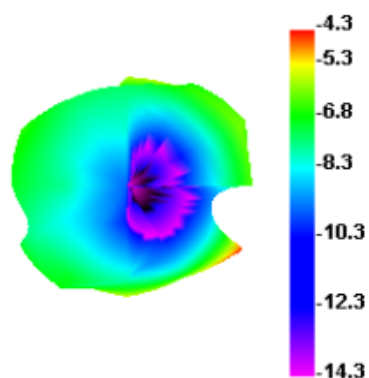
2450.000MHz E1



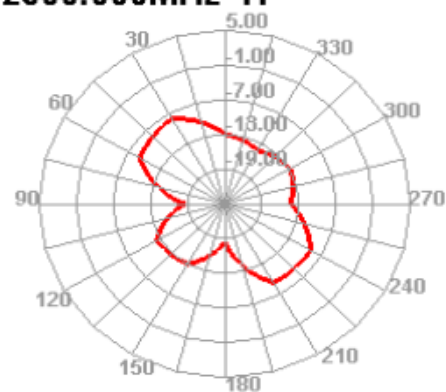
2450.000MHz E2



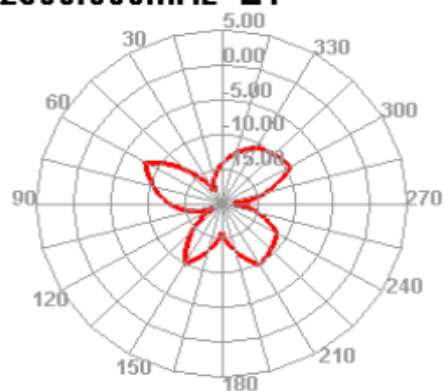
2500.000MHz



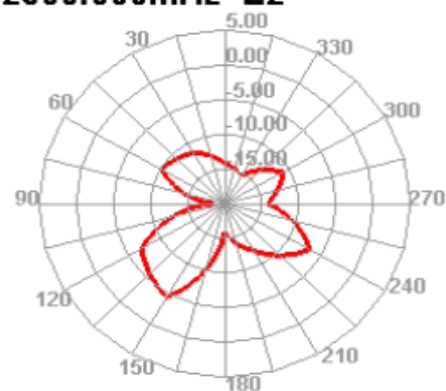
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



## 天线安装位置 Antenna assembly position

