

# 深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication  
Technology Co., Ltd

## 规格承认书

|                      |          |
|----------------------|----------|
| 客户<br>CUSTOMER       | 宇创兴业     |
| 客户料号<br>CUSTOMER NO. |          |
| 供方品名<br>PART NAME    | WiFi 天线  |
| 规格名称<br>SUPPLIER NO. | XH240060 |

|                                 |             |                  |
|---------------------------------|-------------|------------------|
| 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:December 25,2024

# DIRECTORY

[illegible]

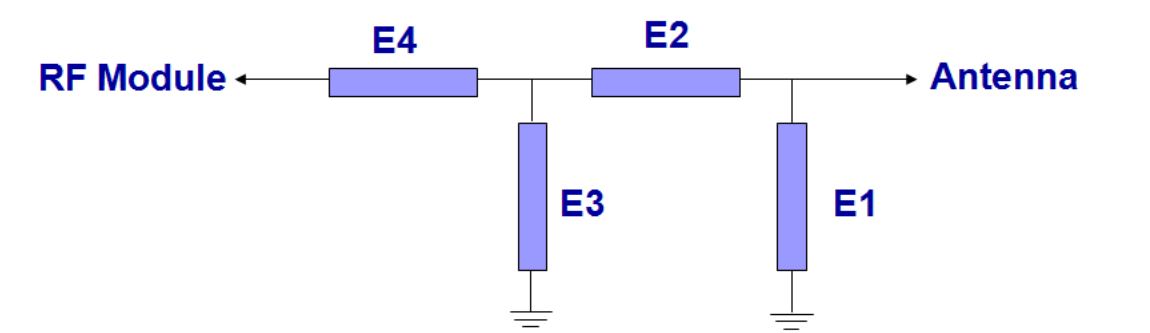
# 电性测试报告

## TEST REPORTS

|                          |                    |
|--------------------------|--------------------|
| 频率<br>Frequency          | WiFi(2400~2500MHz) |
| 阻抗<br>Impedance          | 50 Ohm Nominal     |
| 驻波比<br>V.S.W.R           | $\leq 2.0$         |
| 回波损耗<br>Return Loss      | -10dB Max          |
| 辐射<br>Radiation          | Omni-directional   |
| 增益<br>Gain(Peak)         | 2.62dBi            |
| 极化方式<br>Polarization     | Linear,Vertical    |
| 功率<br>Admitted Power     | 1W                 |
| 连接器<br>Connector         | I-PEX I            |
| Physical Properties      |                    |
| 天线材质<br>Antenna Material | FPC                |
| 线材类型<br>Cable Type       | O.D.1.13mm         |
| 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      | Black              |

# 匹配电路

## Matching Circuits



匹配电路

| Element  | Value | Vender |
|----------|-------|--------|
| E1(0402) |       |        |
| E2(0402) | 0Ω    |        |
| E3(0402) |       |        |
| E4(0402) | 0Ω    |        |

原匹配电路无修改

The original matching circuit has not been modified

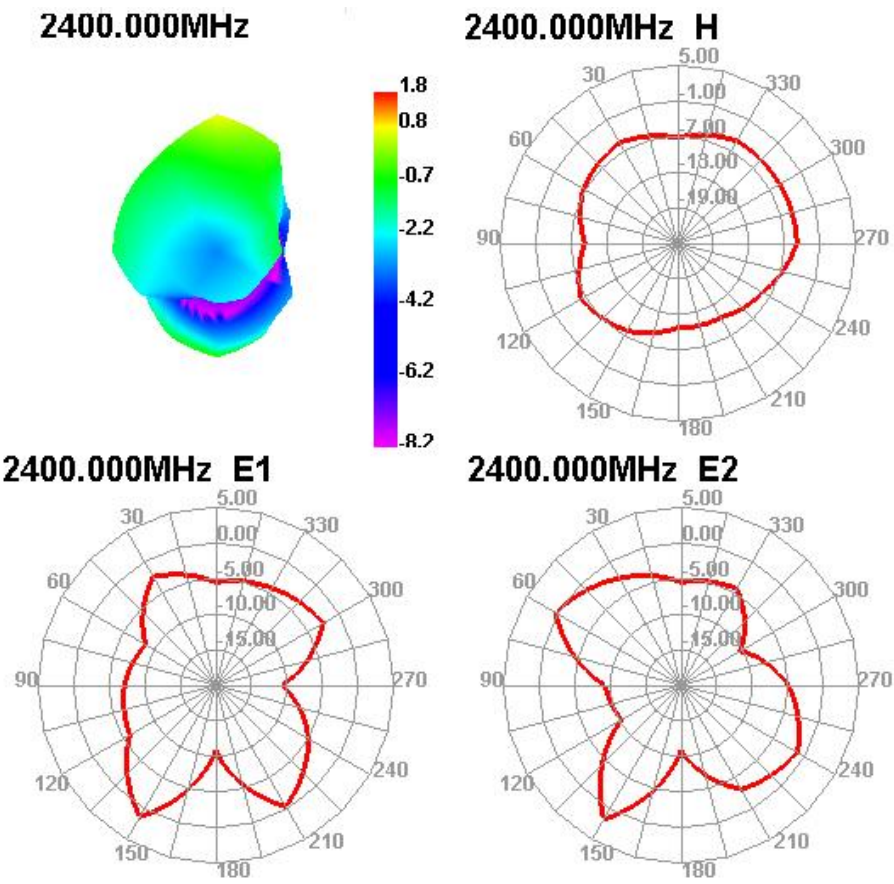
# DRAWING



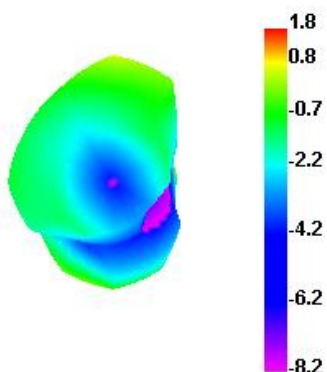
## Test Data

| Freq<br>(MHz) | Effi<br>(%) | Gain<br>(dBi) |
|---------------|-------------|---------------|
| 2400          | 41.26       | 1.77          |
| 2410          | 36.04       | 1.15          |
| 2420          | 42.73       | 1.88          |
| 2430          | 45.5        | 2.17          |
| 2440          | 50.99       | 2.62          |
| 2450          | 43.24       | 1.8           |
| 2460          | 33.66       | 0.56          |
| 2470          | 34.38       | 0.5           |
| 2480          | 31.48       | 0.15          |
| 2490          | 44.5        | 1.64          |
| 2500          | 47.36       | 2.04          |

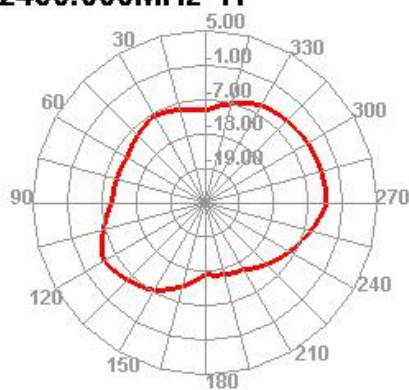
3D 方向图



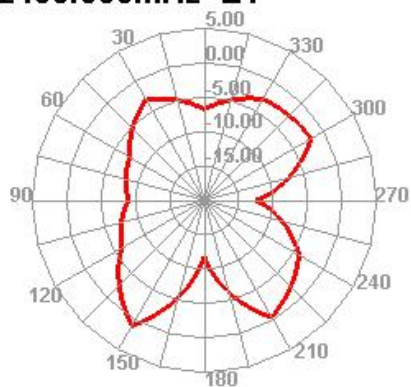
2450.000MHz



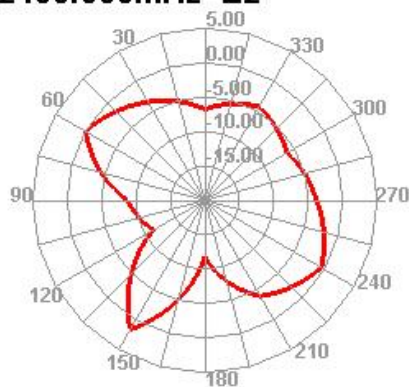
2450.000MHz H



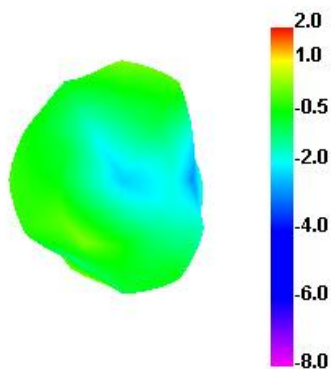
2450.000MHz E1



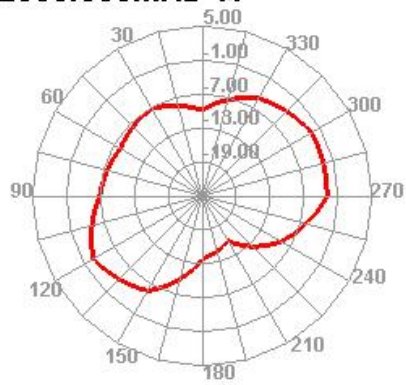
2450.000MHz E2



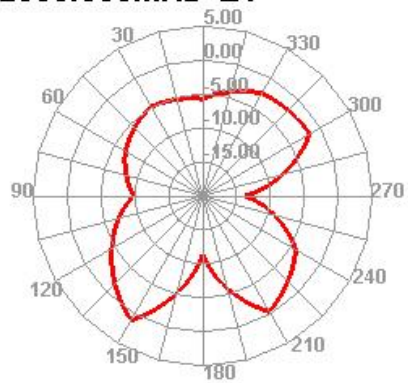
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

