



Shenzhen Yingjichuang Electronic Technology Co., Ltd.

<http://www.szsyjc.com>

# 零件承认书

## Approval Sheet

供方 (Supplier) : Shenzhen Yingjichuang Electronic Technology Co., Ltd.

产品名称(Part Name): 2.4G/5.8G FPC Antenna L=40MM

图号 (Pcode) :

版本 (version) : V1.0

物料编码(material Code) :

日期 (Date) : April 10, 2026



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# APPROVAL SHEET

## 承认书

|                           |                                 |                   |
|---------------------------|---------------------------------|-------------------|
| CUSTOMER NAME<br>客户名称     | Mi Rui                          |                   |
| CUSTOMER P/N<br>客户料号      |                                 |                   |
| PART NAME<br>品名           | 2.4G/5.8G FPC Antenna<br>L=40MM |                   |
| P/ N<br>料号                | YJC-6N040-B97                   |                   |
| APPROVAL REV.<br>版次       | V1.0                            |                   |
| DELIVERY DATE<br>送样日期     | April 10, 2026                  |                   |
| PREPARED BY<br>承办         | Huang teng                      |                   |
| CHECKED BY<br>审核          | Peng huang                      |                   |
| APPROVED BY<br>核准         | Xiao han                        |                   |
| Customer Approved<br>客户承认 |                                 |                   |
| Prepared By<br>承办         | Checked By<br>审核                | Approved By<br>核准 |
|                           |                                 |                   |

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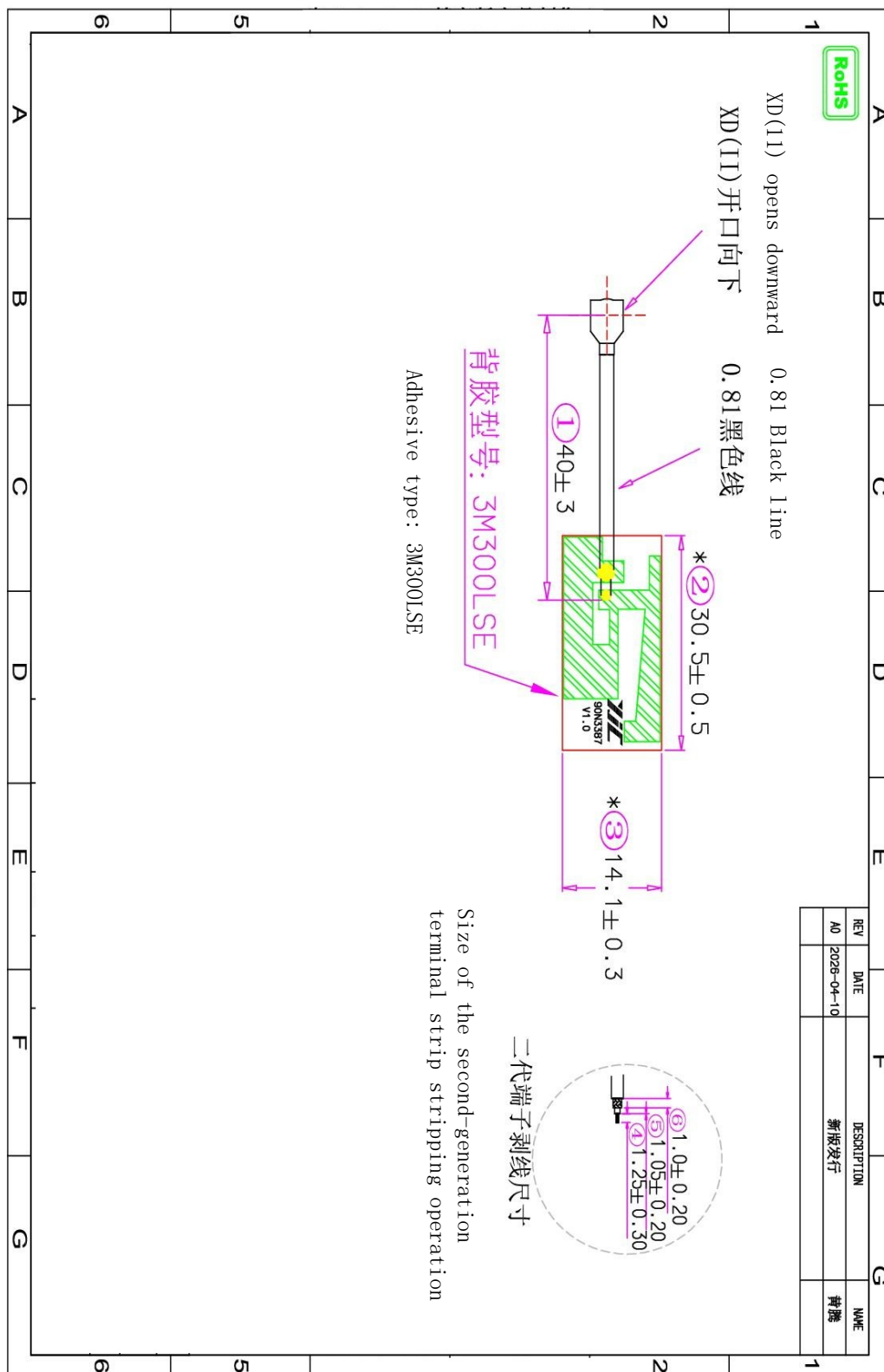
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Antenna plan view:





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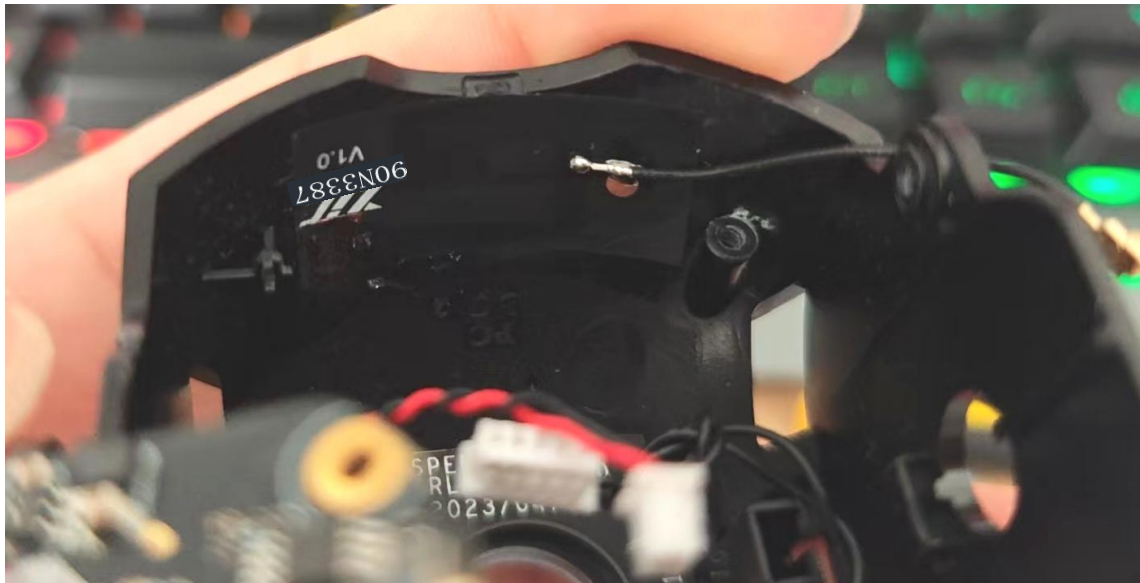
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Antenna technical parameters and environmental testing:

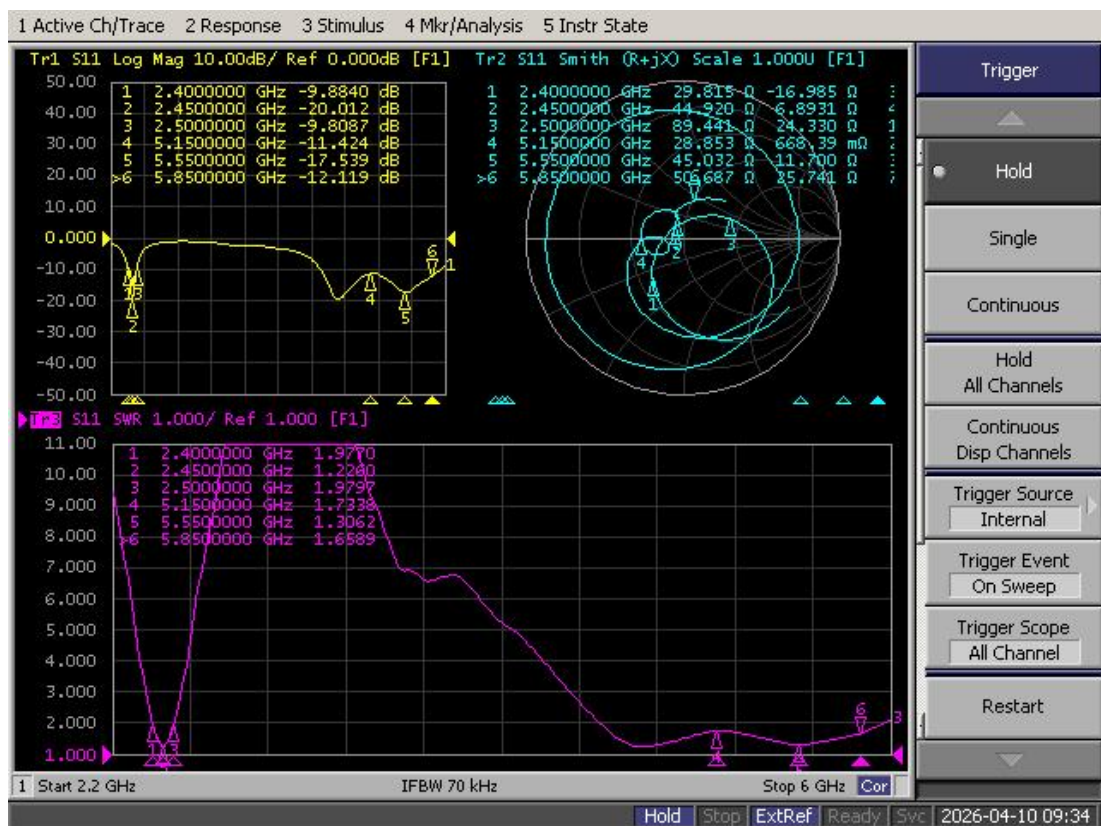
| Electrical technical parameters |                           |                           |                           |
|---------------------------------|---------------------------|---------------------------|---------------------------|
| 电 性 能 指 标                       |                           | Electrical Specifications |                           |
| 频率范围                            | 2400-2500MHz/5150-5850MHz | Frequency Range           | 2400-2500MHz/5150-5850MHz |
| 电压驻波比                           | <3.0                      | VSWR                      | <3.0                      |
| 输入阻抗                            | 50 Ω                      | Input Impedance           | 50 Ω                      |
| 方向                              | 全向                        | Direction                 | All                       |
| 增益                              | 2.4G:0.95dBi;5.8G:0.02dBi | Gain                      | 2.4G:0.95dBi;5.8G:0.02dBi |
| 机 械 指 标                         |                           | Mechanical Specifications |                           |
| 天线颜色                            | 黑色                        | Antenna Color             | BLACK                     |
| 接口形式                            | XD-2                      | Input connector           | XD-2                      |
| 线材长度                            | 40MM                      | Wire Length               | 40MM                      |
| 工作温度                            | -20℃~+70℃                 | Working Temperature       | -20℃~+70℃                 |
| 工作湿度                            | 20~80%                    | Working Humidity          | 20~80%                    |



## Antenna attachment position diagram



## Antenna performance test chart:





OTA Active Test Data Statistics:

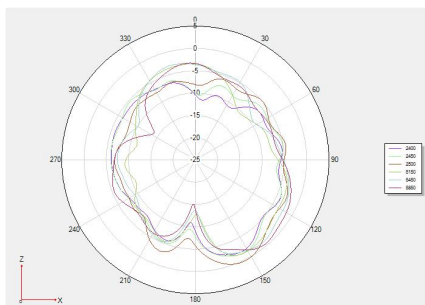
| Item | Measurement | Standard  | Band         | Channel | Frequency | Total  |
|------|-------------|-----------|--------------|---------|-----------|--------|
| 1    | TRP         | WIFI (AP) | WIFI_B (11M) | 1       | 2412      | 18.60  |
| 2    | TRP         | WIFI (AP) | WIFI_B (11M) | 6       | 2437      | 18.28  |
| 3    | TRP         | WIFI (AP) | WIFI_B (11M) | 11      | 2462      | 18.05  |
| 4    | TIS(EIRP)   | WIFI (AP) | WIFI_B (11M) | 1       | 2412      | -83.83 |
| 5    | TIS(EIRP)   | WIFI (AP) | WIFI_B (11M) | 6       | 2437      | -83.79 |
| 6    | TIS(EIRP)   | WIFI (AP) | WIFI_B (11M) | 11      | 2462      | -84.31 |
| 7    | TRP         | WIFI (AP) | WIFI_A (6M)  | 36      | 5180      | 16.35  |
| 8    | TRP         | WIFI (AP) | WIFI_A (6M)  | 100     | 5500      | 17.59  |
| 9    | TRP         | WIFI (AP) | WIFI_A (6M)  | 165     | 5825      | 17.83  |
| 10   | TIS(EIRP)   | WIFI (AP) | WIFI_A (54M) | 36      | 5180      | -71.40 |
| 11   | TIS(EIRP)   | WIFI (AP) | WIFI_A (54M) | 100     | 5500      | -72.67 |
| 12   | TIS(EIRP)   | WIFI (AP) | WIFI_A (54M) | 165     | 5825      | -71.38 |



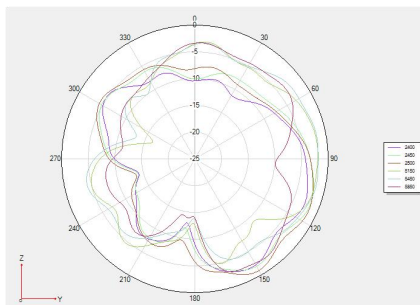
2D and 3D test data:

| Frequency | Efficiency (%) | Gain. (dBi) |
|-----------|----------------|-------------|
| 2400MHz   | 41.72          | -0.45       |
| 2410MHz   | 43.75          | -0.62       |
| 2420MHz   | 47.75          | -0.01       |
| 2430MHz   | 48.08          | -0.08       |
| 2440MHz   | 52.12          | 0.35        |
| 2450MHz   | 52.72          | -0.13       |
| 2460MHz   | 54.95          | 0.59        |
| 2470MHz   | 51.64          | 0.85        |
| 2480MHz   | 49.09          | 0.95        |
| 2490MHz   | 46.13          | 0.35        |
| 2500MHz   | 46.67          | 0.88        |
| 5150MHz   | 39.18          | -1.05       |
| 5250MHz   | 37.41          | -1.59       |
| 5350MHz   | 37.15          | -1.06       |
| 5450MHz   | 37.84          | -1.05       |
| 5550MHz   | 38.46          | -0.34       |
| 5650MHz   | 38.02          | -0.08       |
| 5750MHz   | 37.15          | 0.02        |
| 5850MHz   | 33.57          | -0.45       |

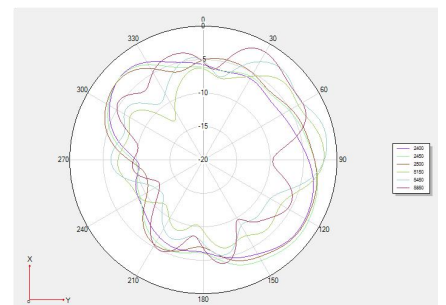
(Phi 0 2D 图)



(Phi 90 2D 图)



(Theta 90 2D 图)

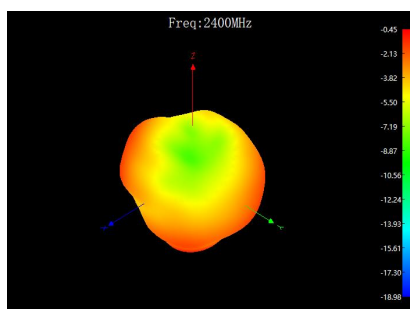




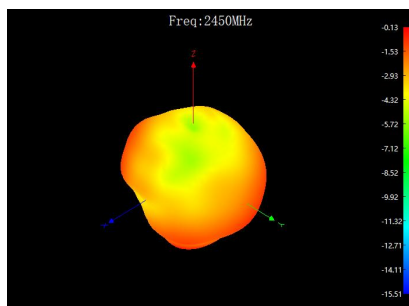
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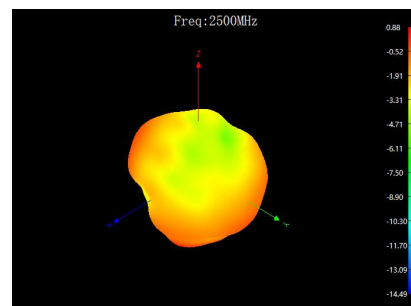
3D 2400MHz



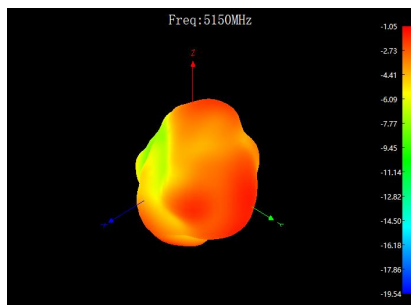
3D 2450MHz



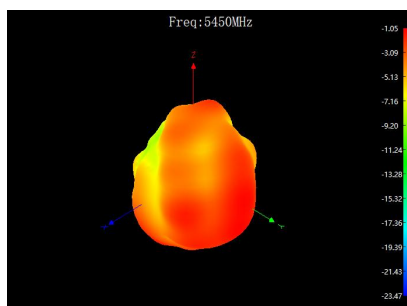
3D 2500MHz



3D 5150MHz



3D 5450MHz



3D 5850MHz

