



# 规格承认书

## SPECIFICATION FOR APPROVAL

编号: 2024082001

File No. \_\_\_\_\_

版本: 1.0

Revision \_\_\_\_\_

客 户 欧博

CUSTOMER: \_\_\_\_\_

客 户 料 号

CUSTOMER NO: \_\_\_\_\_

品 名 2.4GHz天线 1.13灰色线-MHF1 L=50MM

PART NAME: \_\_\_\_\_

供 方 料 号 **SL310P.300001.P01**

SUPPLIER NO: \_\_\_\_\_

送样日期 Date:

送样数量 Q'TY: PCS

| 客户确认 CUSTOMER APPROVED BY |       |            |
|---------------------------|-------|------------|
| APPROVAL                  | CHIEF | SUPERVISOR |
|                           |       |            |

| 供方确认 SUPPLIER SIGNATURE |               |              |
|-------------------------|---------------|--------------|
| APPROVAL                | CHECK         | DESIGN       |
| <b>sunny</b>            | <b>ZouJie</b> | <b>LuoYi</b> |

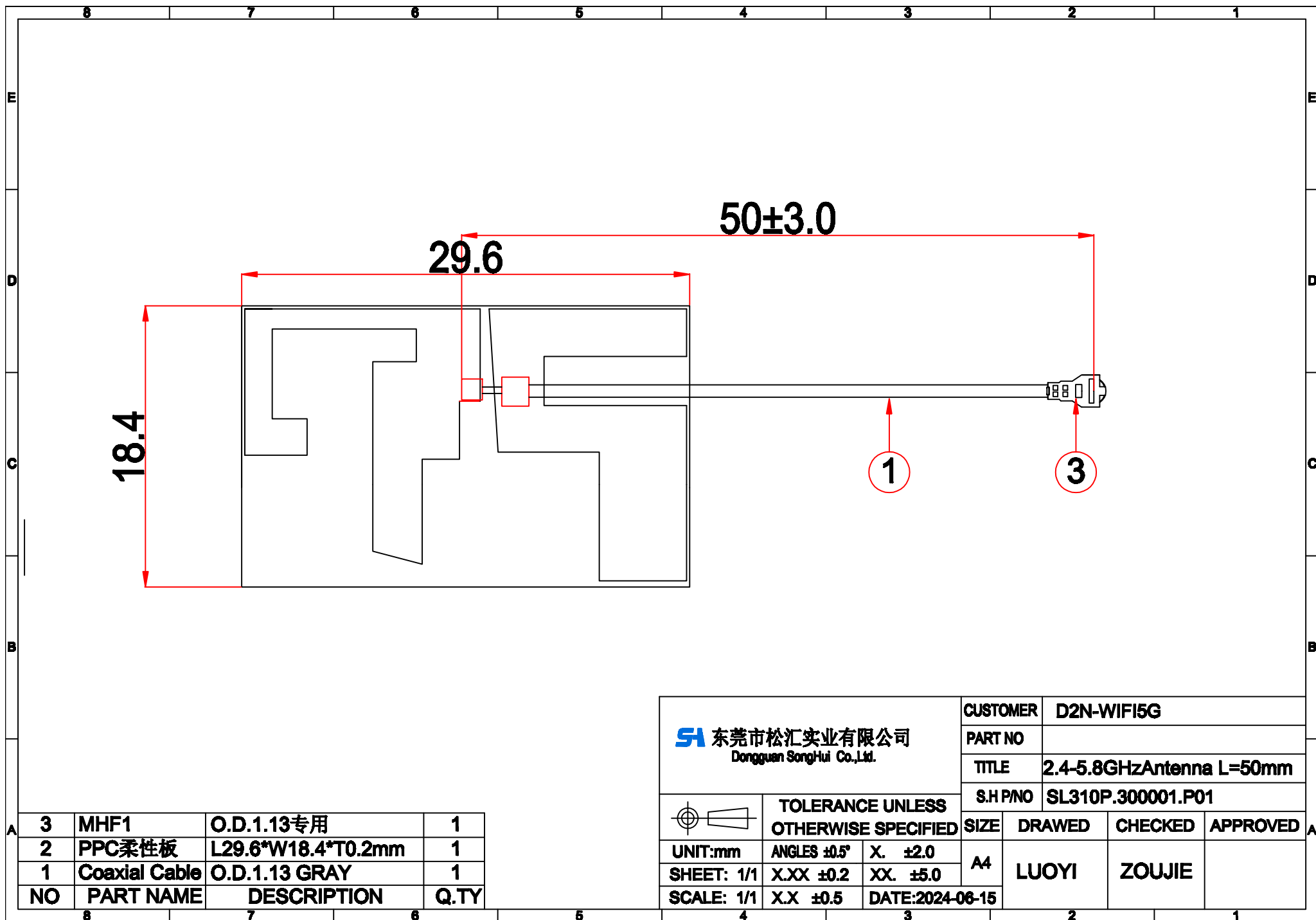
SH-RD-F04-A

add: 东莞市大朗镇巷尾村聚祥二路24号 电话: 0769-82226176 传真: 0769-82226175



# 承认书项目表

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# 电 性 测 试 报 告

## Test Reports

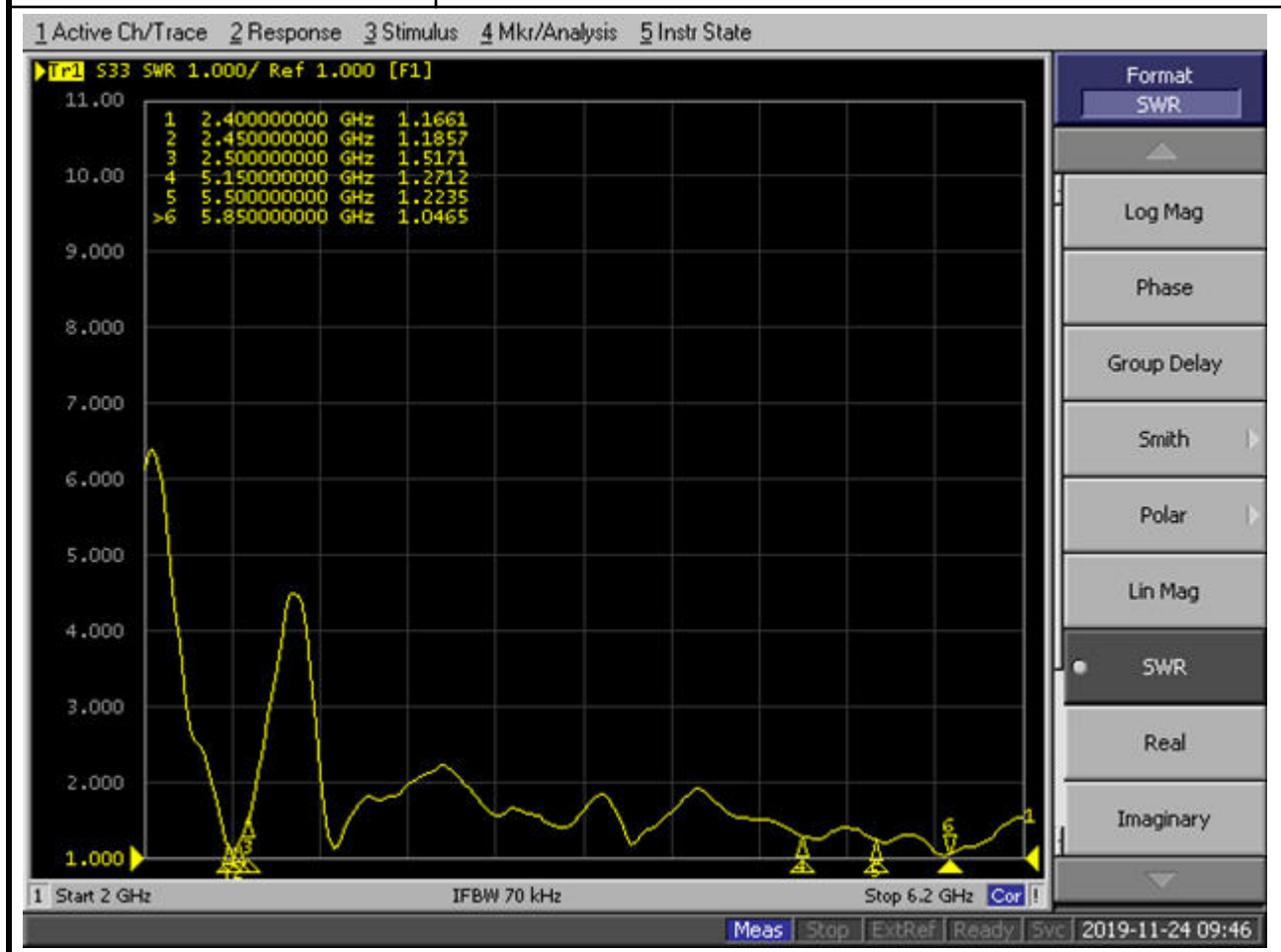
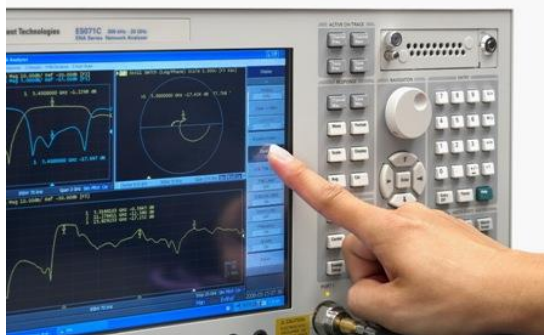
| Electrical Properties |                       |
|-----------------------|-----------------------|
| Frequency             | 2400-2500MHz          |
| Impedance             | 50 Ohm Nominal        |
| V.S.W.R               | 1.92 : 1 Max          |
| Return Loss           | -10 dB Max            |
| Radiation             | Omni-directional      |
| Gain (Peak)           | 2.94dBi               |
| Efficiency            | >48%                  |
| Polarization          | Linear, Vertical      |
| Admitted Power        | 1 W                   |
| Connector             | MHF4                  |
| Physical Properties   |                       |
| Antenna Material      | FPC                   |
| Cable Type            | O.D. 0.81mm // L=50mm |
| Operating Temp.       | -10 ~ +60 °C          |
| Storage Temp.         | -10 ~ +70 °C          |
| Cable Color           | GRAY                  |



# S 参数测试

## S Parameter Test

*Agilent E5071C*

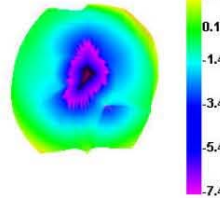


# Gain, Efficiency

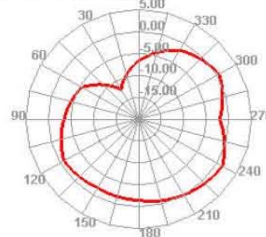
| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dBi) |
|---------------|-------------|---------------|
| 2400          | 63          | 2.6           |
| 2410          | 66.48       | 2.23          |
| 2420          | 62.71       | 2.02          |
| 2430          | 68.01       | 2.11          |
| 2440          | 60          | 2.05          |
| 2450          | 62.85       | 2.41          |
| 2460          | 61.63       | 2.69          |
| 2470          | 63.67       | 2.92          |
| 2480          | 63.98       | 2.94          |
| 2490          | 69.56       | 2.85          |
| 2500          | 61.75       | 2.58          |

**2400.00MHz - 2500.00MHz**

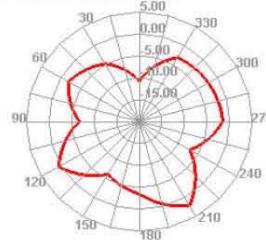
2400.000MHz



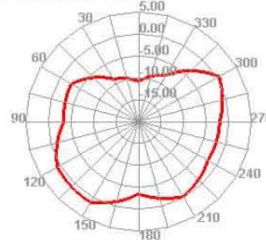
2400.000MHz H



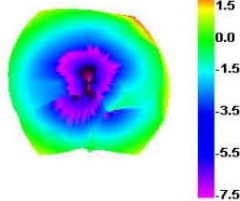
2400.000MHz E1



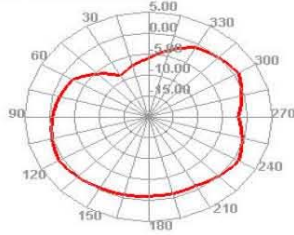
2400.000MHz E2



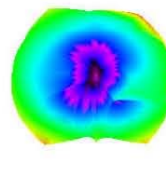
2500.000MHz



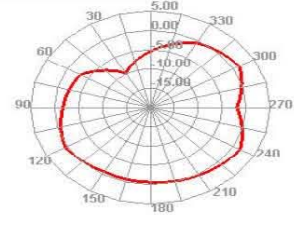
2500.000MHz H



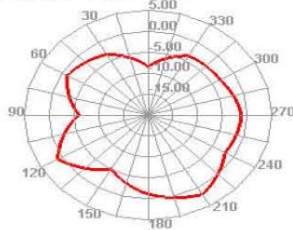
2450.000MHz



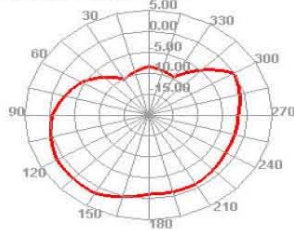
2450.000MHz H



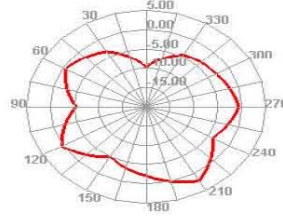
2500.000MHz E1



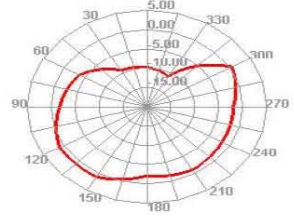
2500.000MHz E2



2450.000MHz E1



2450.000MHz E2



| 带宽 (MHz) | 测试项 | 模式 | 速率(Mbps) | 信道  | 频率(MHz) | 测试值 (dbm) | 测试项目 |
|----------|-----|----|----------|-----|---------|-----------|------|
| 20       | TRP | B  | 11       | 1   | 2412    | 18.56     |      |
|          |     |    |          | 6   | 2437    | 17.1      |      |
|          |     |    |          | 11  | 2462    | 19.12     |      |
|          |     | G  | 6        | 1   | 2412    | 15.94     |      |
|          |     |    |          | 6   | 2437    | 15.6      |      |
|          |     |    |          | 11  | 2462    | 15.79     |      |
|          |     | N  | MCS7     | 1   | 2412    | 14.8      |      |
|          |     |    |          | 6   | 2437    | 14.9      |      |
|          |     |    |          | 11  | 2462    | 14.3      |      |
|          |     | A  | 6        | 36  | 5180    |           |      |
|          |     |    |          | 149 | 5745    |           |      |
|          |     |    |          | 165 | 5825    |           |      |
|          | TIS | B  | 11       | 1   | 2412    | -85.93    |      |
|          |     |    |          | 6   | 2437    | -85.93    |      |
|          |     |    |          | 11  | 2462    | -85.93    |      |
|          |     | G  | 54       | 1   | 2412    | -72.51    |      |
|          |     |    |          | 6   | 2437    | -72.51    |      |
|          |     |    |          | 11  | 2462    | -72.51    |      |
|          |     | N  | MCS7     | 1   | 2412    | -69.3     |      |
|          |     |    |          | 6   | 2437    | -69.3     |      |
|          |     |    |          | 11  | 2462    | -69.3     |      |
|          |     | A  | 54       | 1   | 2412    |           |      |
|          |     |    |          | 6   | 2437    |           |      |
|          |     |    |          | 11  | 2462    |           |      |

