



表单编号: CYX-FM-RD004-A

深圳创盈芯实业有限公司

Shenzhen Chuangyingxin technology co., Ltd

## 材料承认书

## Material acceptance

厂 商:

Manufacturer

品 名:

Name of a part

料 号:

Part Number

物 料 规 格

Material specification

G3DK- WIF5G-MIAN 天线 0.81 灰色线 4 代端子 L=220MM

WIFI+BT 天线 PPC柔板 + 081灰色线 L=220mm 4 代端子

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Longhua New District, Shenzhen City

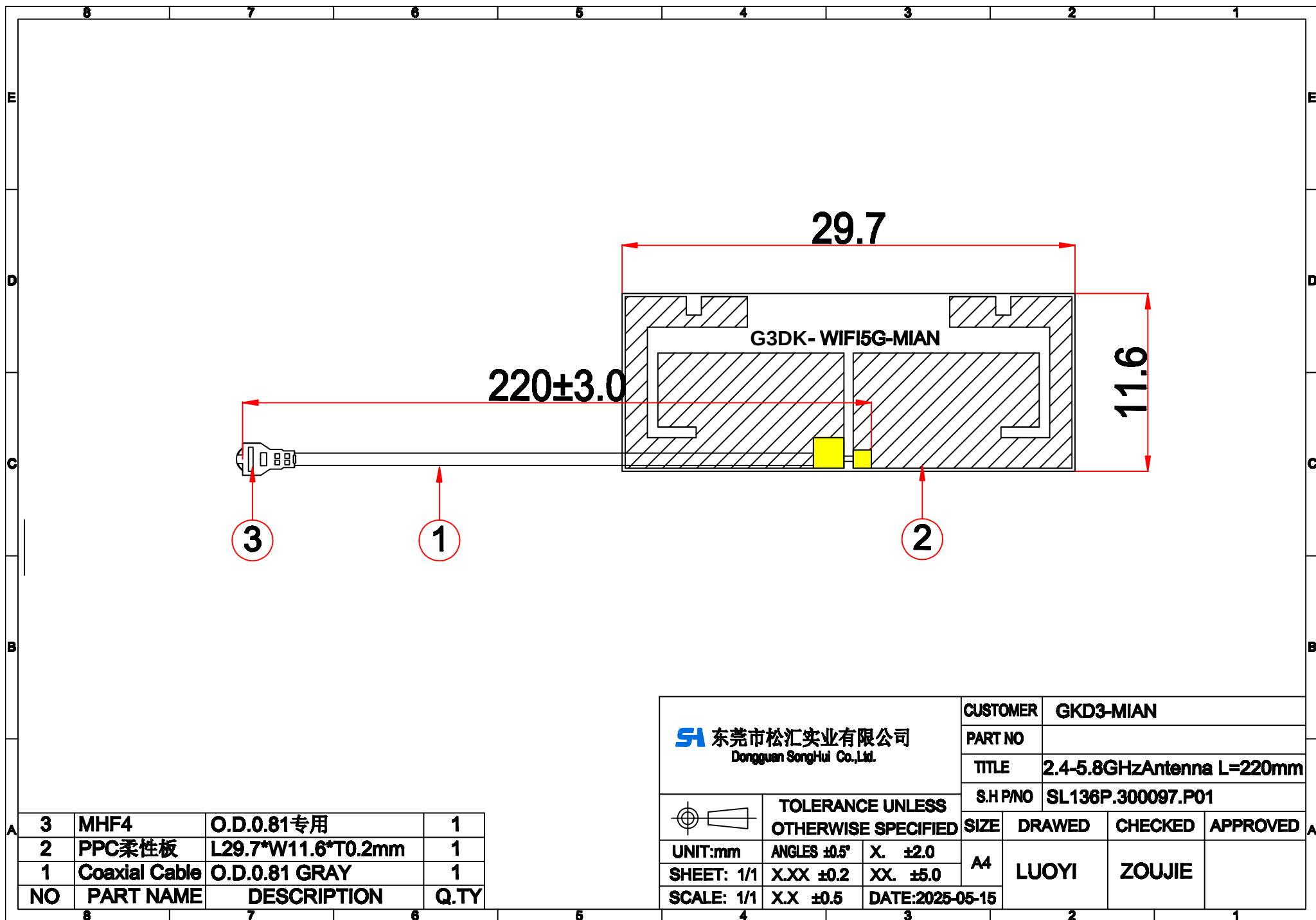


# 电 性 测 试 报 告

## Test Reports

| Electrical Properties |                        |
|-----------------------|------------------------|
| Frequency             | 2400-2500/5150-5850MHz |
| Impedance             | 50 Ohm Nominal         |
| V.S.W.R               | 1.92 : 1 Max           |
| Return Loss           | -10 dB Max             |
| Radiation             | Omni-directional       |
| Gain (Peak)           | >2dBi                  |
| Efficiency            | >48%                   |
| Polarization          | Linear, Vertical       |
| Admitted Power        | 1 W                    |
| Connector             | MHF4                   |
| Physical Properties   |                        |
| Antenna Material      | PCB柔性板                 |
| Cable Type            | O.D. 0.81mm // L=220mm |
| Operating Temp.       | -10 ~ +60 °C           |
| Storage Temp.         | -10 ~ +70 °C           |
| Cable Color           | GRAY                   |



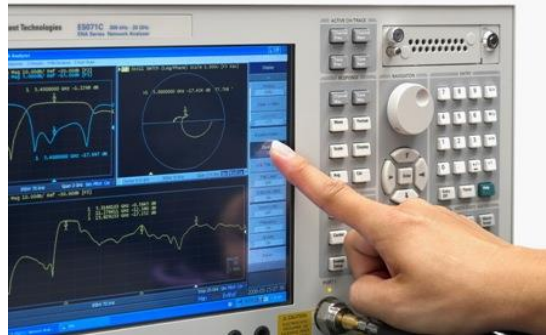




# S 参数测试

## S Parameter Test

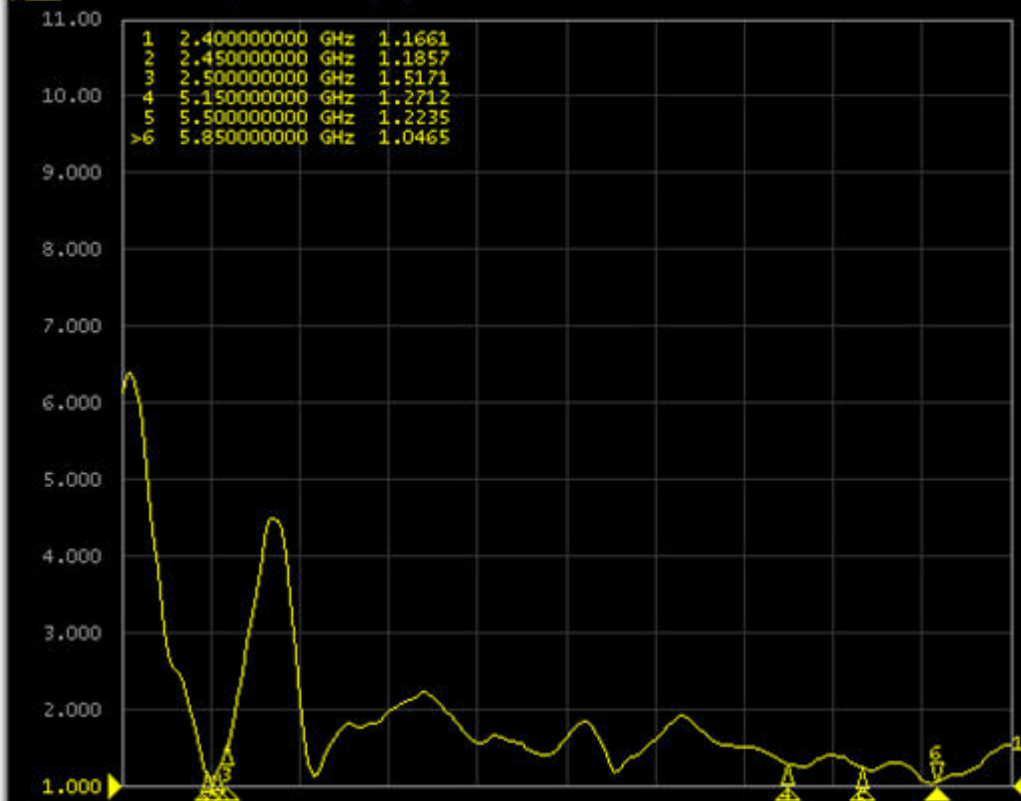
*Agilent E5071C*



1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

► F1 S33 SWR 1.000/ Ref 1.000 [F1]

|    |             |     |        |
|----|-------------|-----|--------|
| 1  | 2.400000000 | GHz | 1.1661 |
| 2  | 2.450000000 | GHz | 1.1857 |
| 3  | 2.500000000 | GHz | 1.5171 |
| 4  | 5.150000000 | GHz | 1.2712 |
| 5  | 5.500000000 | GHz | 1.2235 |
| >6 | 5.850000000 | GHz | 1.0465 |



Format

SWR

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

Imaginary

Meas

Stop

ExtRef

Ready

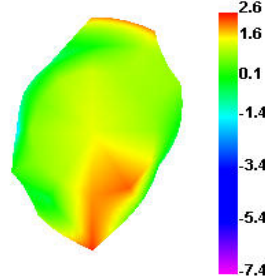
Svc

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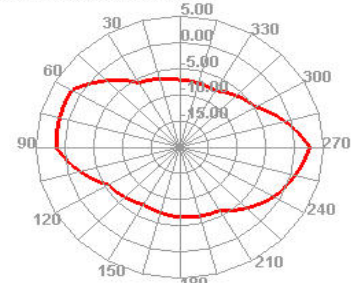
# Gain, Efficiency

| Freq (MHz) | Effi (%) | Gain (dBi) |
|------------|----------|------------|
| 2400       | 59.03    | 2.57       |
| 2410       | 58.07    | 2.52       |
| 2420       | 56.99    | 2.38       |
| 2430       | 58.99    | 2.52       |
| 2440       | 66.8     | 3.16       |
| 2450       | 70.6     | 3.51       |
| 2460       | 69.1     | 3.34       |
| 2470       | 69.82    | 3.35       |
| 2480       | 62.7     | 2.66       |
| 2490       | 61.43    | 2.35       |
| 2500       | 60.21    | 2.1        |
| 5150       | 50.18    | 2.93       |
| 5175       | 48.83    | 2.46       |
| 5200       | 47.6     | 2.86       |
| 5225       | 46.03    | 2.72       |
| 5250       | 45.27    | 2.92       |
| 5275       | 45.46    | 2.42       |
| 5300       | 47.89    | 2.29       |
| 5325       | 49.72    | 1.93       |
| 5350       | 54.19    | 3.08       |
| 5375       | 51.52    | 2.07       |
| 5400       | 49.67    | 2.72       |
| 5425       | 46.86    | 2.16       |
| 5450       | 48.28    | 2.44       |
| 5475       | 48.32    | 1.9        |
| 5500       | 44.35    | 2.52       |
| 5525       | 49.69    | 2.3        |
| 5550       | 49.31    | 3.07       |
| 5575       | 48.24    | 2.95       |
| 5600       | 57.5     | 2.86       |
| 5625       | 45.8     | 1.76       |
| 5650       | 54.24    | 2.5        |
| 5675       | 46.54    | 1.63       |
| 5700       | 53.11    | 2.2        |
| 5725       | 47.61    | 1.98       |
| 5750       | 54.23    | 2.48       |
| 5775       | 46.87    | 1.92       |
| 5800       | 50.65    | 2.58       |
| 5825       | 48.93    | 2.54       |
| 5850       | 50.07    | 2.61       |

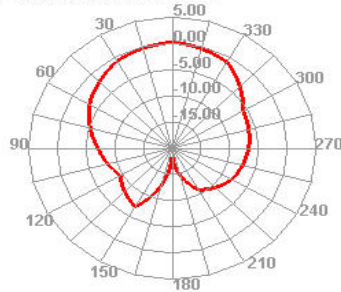
2400.000MHz



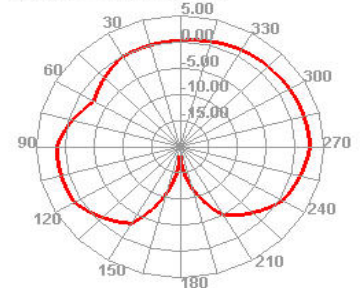
2400.000MHz H



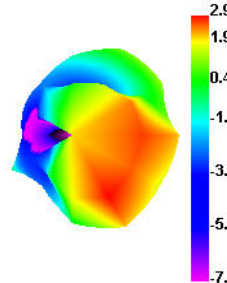
2400.000MHz E1



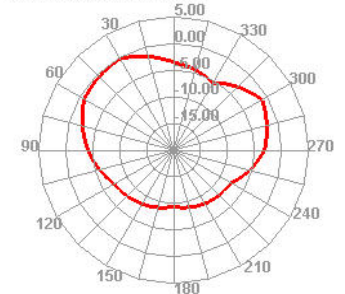
2400.000MHz E2



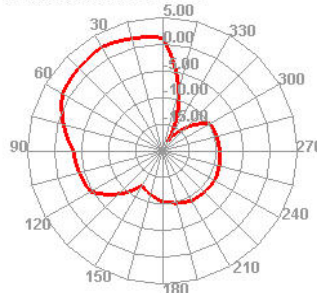
5150.000MHz



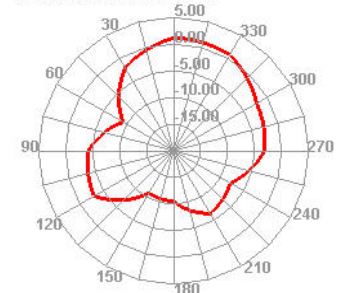
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



# 天线组装图

