

# Antena Test Report



顺达成科技

专业的4G/3G/GPS/WIFI等天线方案设计及供应商



客户名称: TOP1

项目名称: KT22

频段: WIFI2.4G/5.8G/BT

版本: A

制作日期: 2025-09-16

## Test system

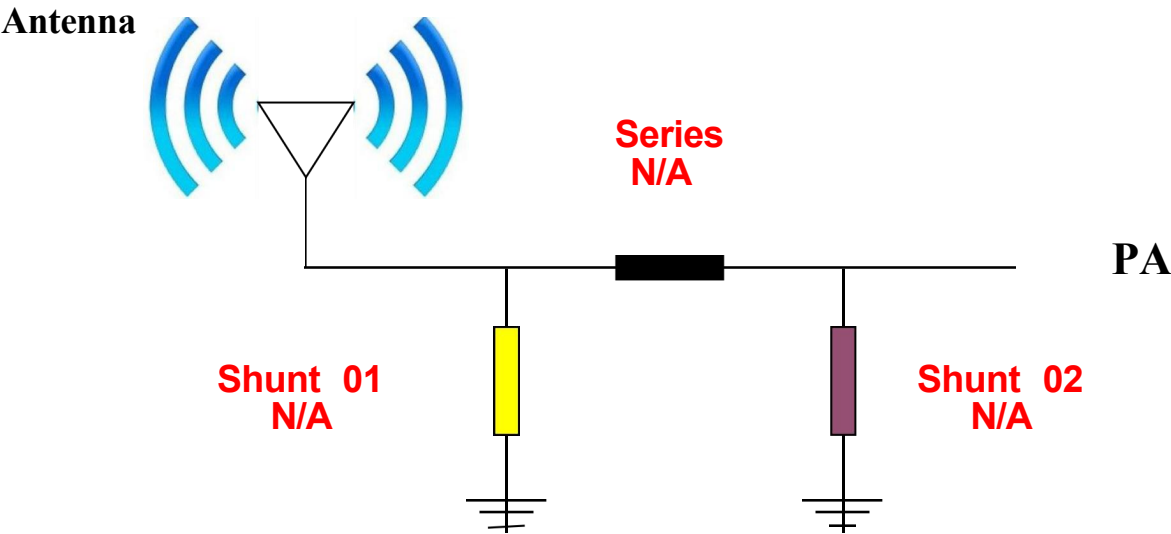


顺达成科技

| Sequence Number   | Test Item         | equipment                                                           |
|-------------------|-------------------|---------------------------------------------------------------------|
| S parameter       | VSWR              | Agilent 5071C & Agilent 5062A                                       |
| OTA Test          | TRP&TIS           | Agilent 8960 E5515C & Agilent 4438C & CMW500 & CMW270<br>ETS&SATIMO |
| Gain & Efficiency | Gain & Efficiency | ETS&SATIMO<br>Agilent 5071C                                         |



# Antenna Matching Network

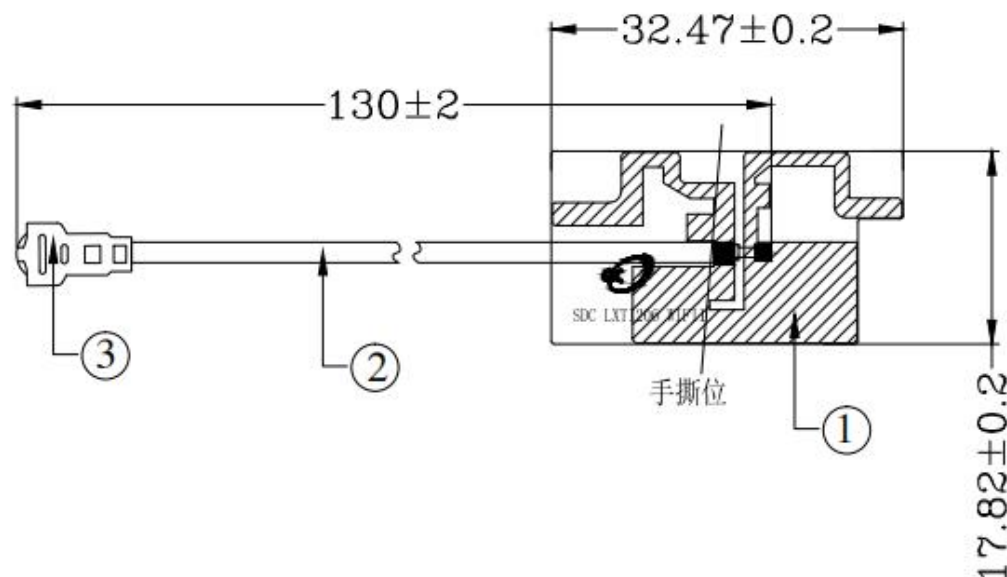


| Location | Description | Vendor |
|----------|-------------|--------|
| Shunt 01 | N/A         | N/A    |
| Series   | N/A         | N/A    |
| Shunt 02 | N/A         | N/A    |



顺达成科技

| F   |           | G           |
|-----|-----------|-------------|
| REV | DATE      | DESCRIPTION |
| A0  | 2025.9.16 | New Issue   |



| NO | DESCRIPTION                               | Q'TY | REMARK |
|----|-------------------------------------------|------|--------|
| 3  | 端子 IPEX1                                  | 1    |        |
| 2  | Cable $\phi 1.13$ Cable Gray, 50 $\Omega$ | 130  |        |
| 1  | FPC PPC-黑油 黑字 半对半基材, 做抗氧化处理 3M 9471 背胶    | 1    |        |

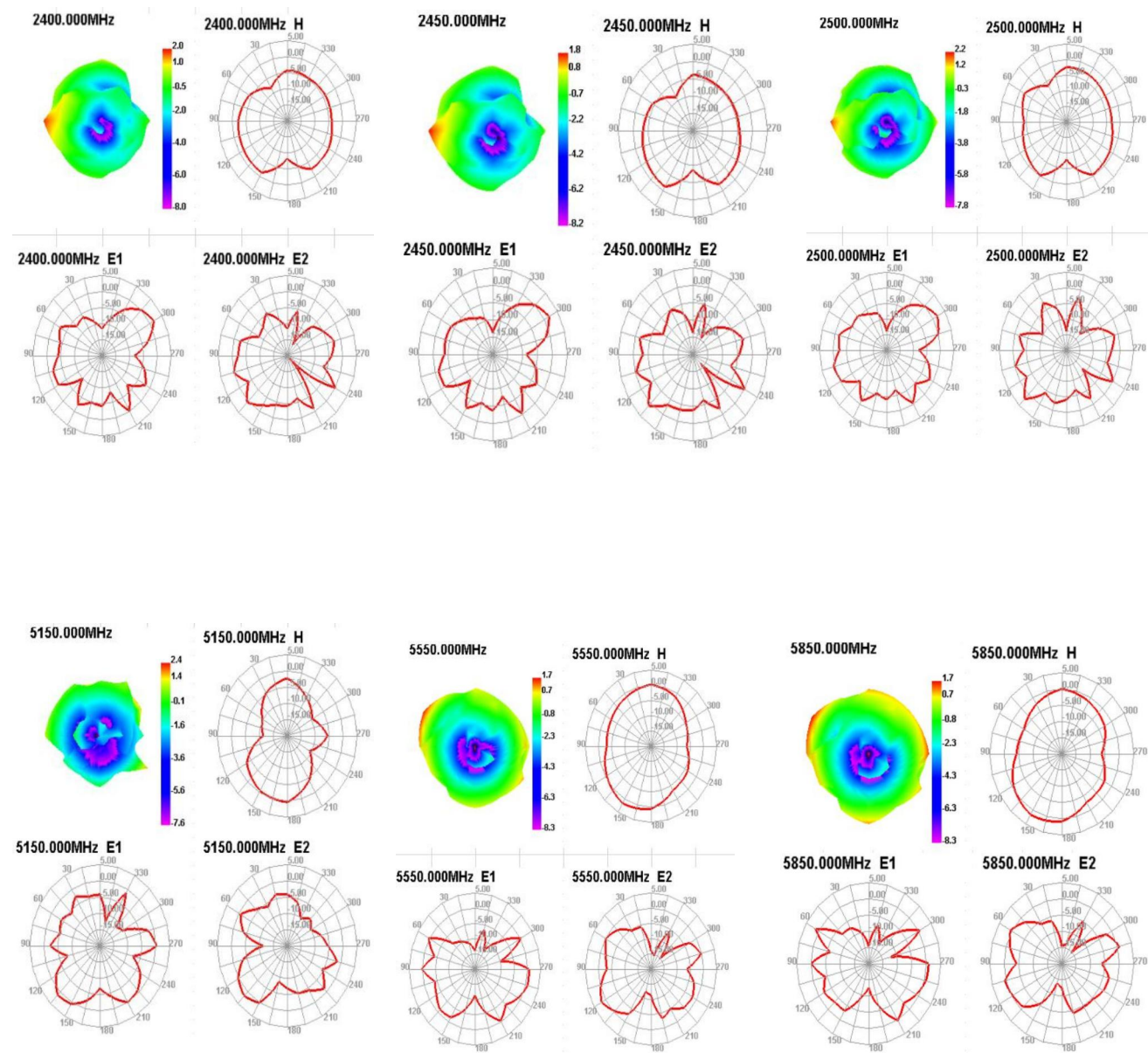
|      |           |          |
|------|-----------|----------|
| XX.  | $\pm 5$   | APPROVED |
| X    | $\pm 3.0$ | 符学荣      |
| X    | $\pm 1.0$ | CHECKED  |
| XX   | $\pm 0.5$ | 李瑶娜      |
| .XXX | $\pm 0.1$ | DRAWING  |
|      |           | 李瑶娜      |

|            |      |                                                                  |
|------------|------|------------------------------------------------------------------|
| CUSTOMER:  |      | 卓讯                                                               |
| PART NAME: |      | WiFi天线 (KT220 FPC (丝印 SDC LXT1206 WiFi1)+L13灰色线+IPEX1 左 L=130mm) |
| SDC P/NO : |      | WF4591B-1131L-130                                                |
| REV        | UNIT | FILE :                                                           |
| A0         | m/m  | SHEET : 1/1                                                      |

深圳市顺达成  
科技有限公司

注: 60mm以内的线材, 若无客户要求则默认端子头朝下

| Frequency (MHz) | Efficiency (%) | Peak GAIN (dBi) |
|-----------------|----------------|-----------------|
| 2400            | 42.51          | 1.96            |
| 2450            | 43.39          | 1.8             |
| 2500            | 41.78          | 2.23            |
| 5150            | 39.08          | 2.37            |
| 5550            | 40.67          | 1.72            |
| 5850            | 38.19          | 1.74            |



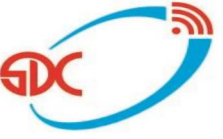


# WIFI OTA Data

顺达成科技

| 2.4G WIFI                    | TRP   |       |       | TIS    |        |        |
|------------------------------|-------|-------|-------|--------|--------|--------|
| Channel                      | CH1   | CH6   | CH11  | CH1    | CH6    | CH11   |
| 802.11 <b>b</b> , 11M        | 13.59 | 13.33 | 13.28 | -78.75 | -78.31 | -78.71 |
| 802.11 <b>g</b> , 54M        | 12.36 | 13.12 | 13.55 | -67.27 | -68.55 | -68.63 |
| 802.11 <b>n</b> , MCS7 (65M) | 12.60 | 12.37 | 12.21 | -66.57 | -66.29 | -66.57 |

| 5.8G WIFI             | TRP   |       |       | TIS    |        |        |
|-----------------------|-------|-------|-------|--------|--------|--------|
| Channel               | CH36  | CH60  | CH161 | CH36   | CH60   | CH161  |
| 802.11 <b>A</b> , 54M | 11.74 | 11.03 | 11.67 | -70.63 | -70.59 | -70.18 |



**THANKS**