

# 深圳市亿圣邦科技有限公司

## The Holy bond Electronics Co., Ltd. Antenna Test Report

Customer: 亿莱顿

Project: 4303 (R08主板)

Product: WIFI Antenna—FPC

Report date: 2022.12.13

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Approved by :

# ***Purpose***

This report is to measure the performance of SLK for Master Antenna on 亿莱顿. All measure data are showed below.

## ***Content***

### 1. Product Overview

### 2. Test Result

#### 2.1 WIFI Antenna VSWR/S11

#### 2.2 Antenna Parameters

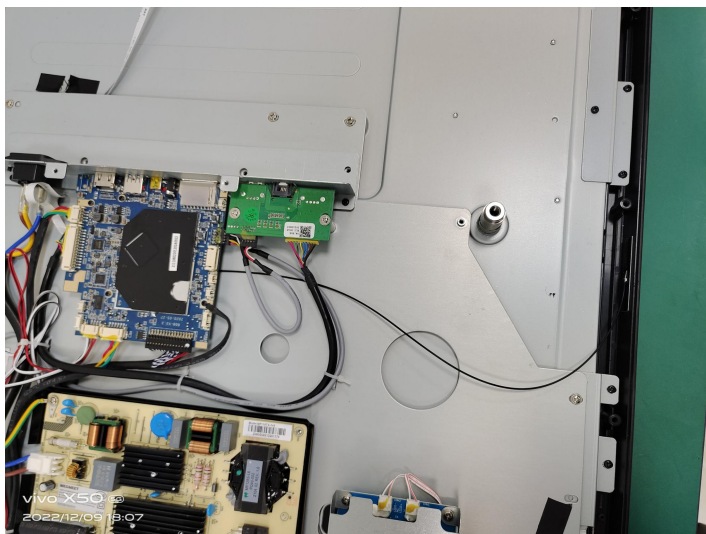
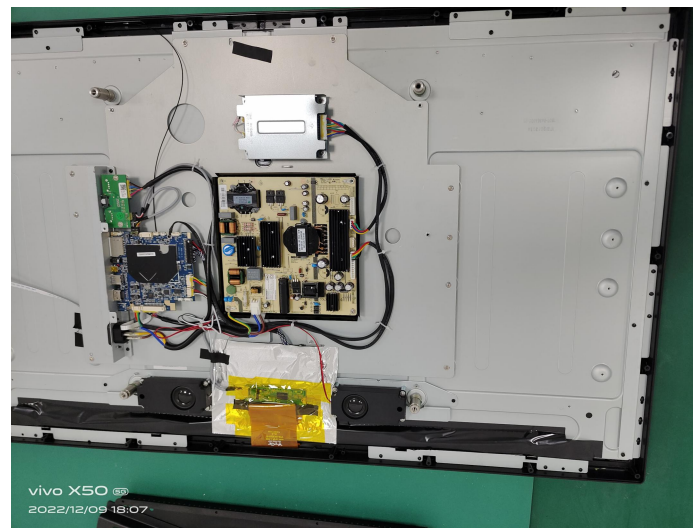
#### 2.3 WIFI Antenna Gain/Efficiency/3D DIRECTION

#### 2.4 WIFI Antenna Throughput

#### 2.5 Environmental Treatment

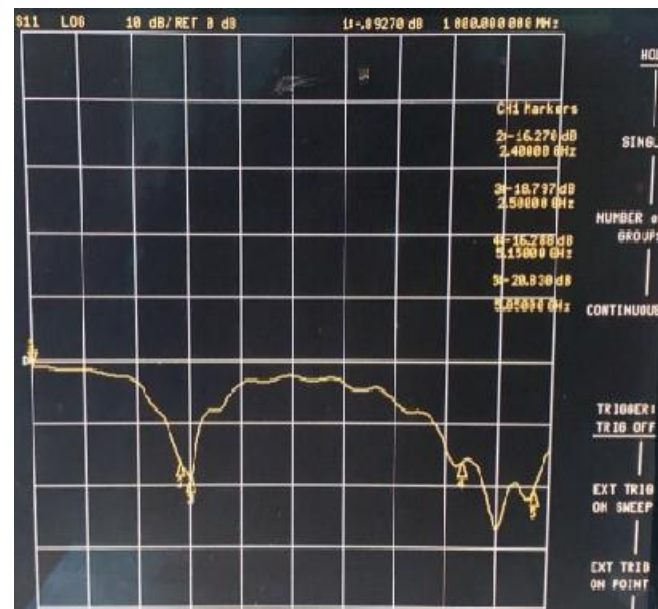
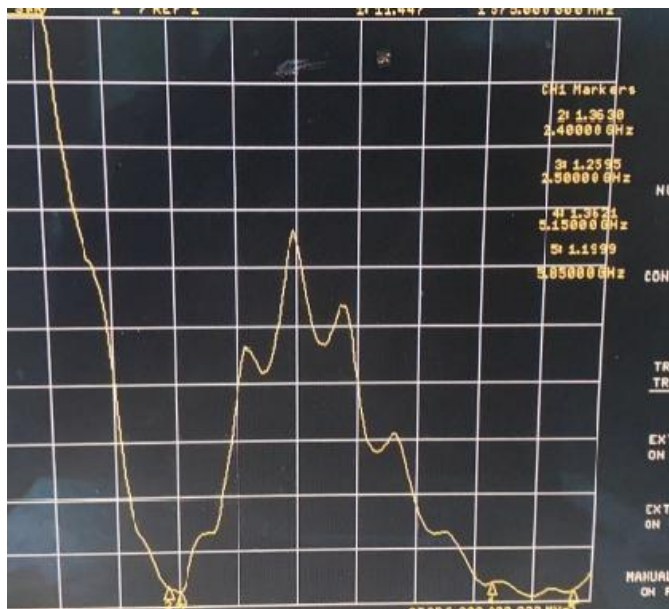
### 3. Conclusions

# 1. Product Overview



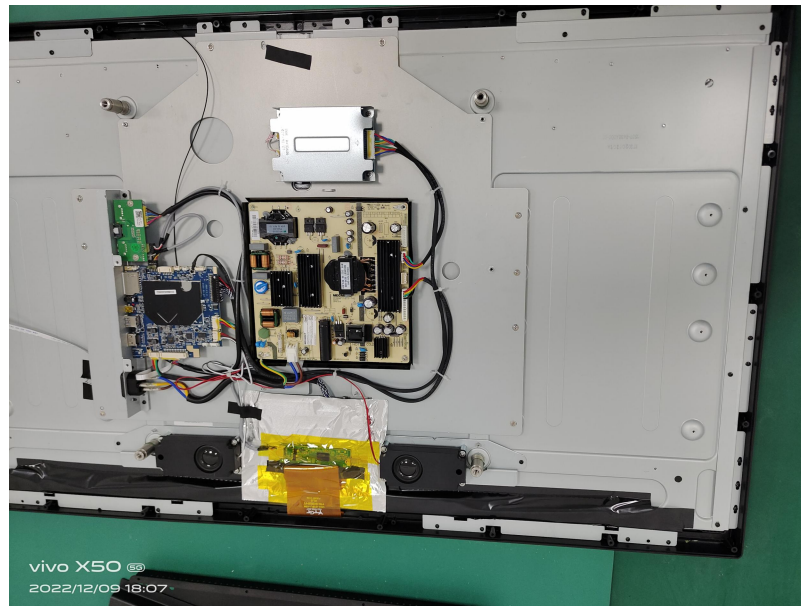
## 2. Test Result

### 2.1 WIFI Antenna VSWR/S11



## 2. Test Result

### 2.2 Antenna Parameters



## 2. Test Result

### 2.3 WIFI Antenna Gain/Efficiency/3D DATE

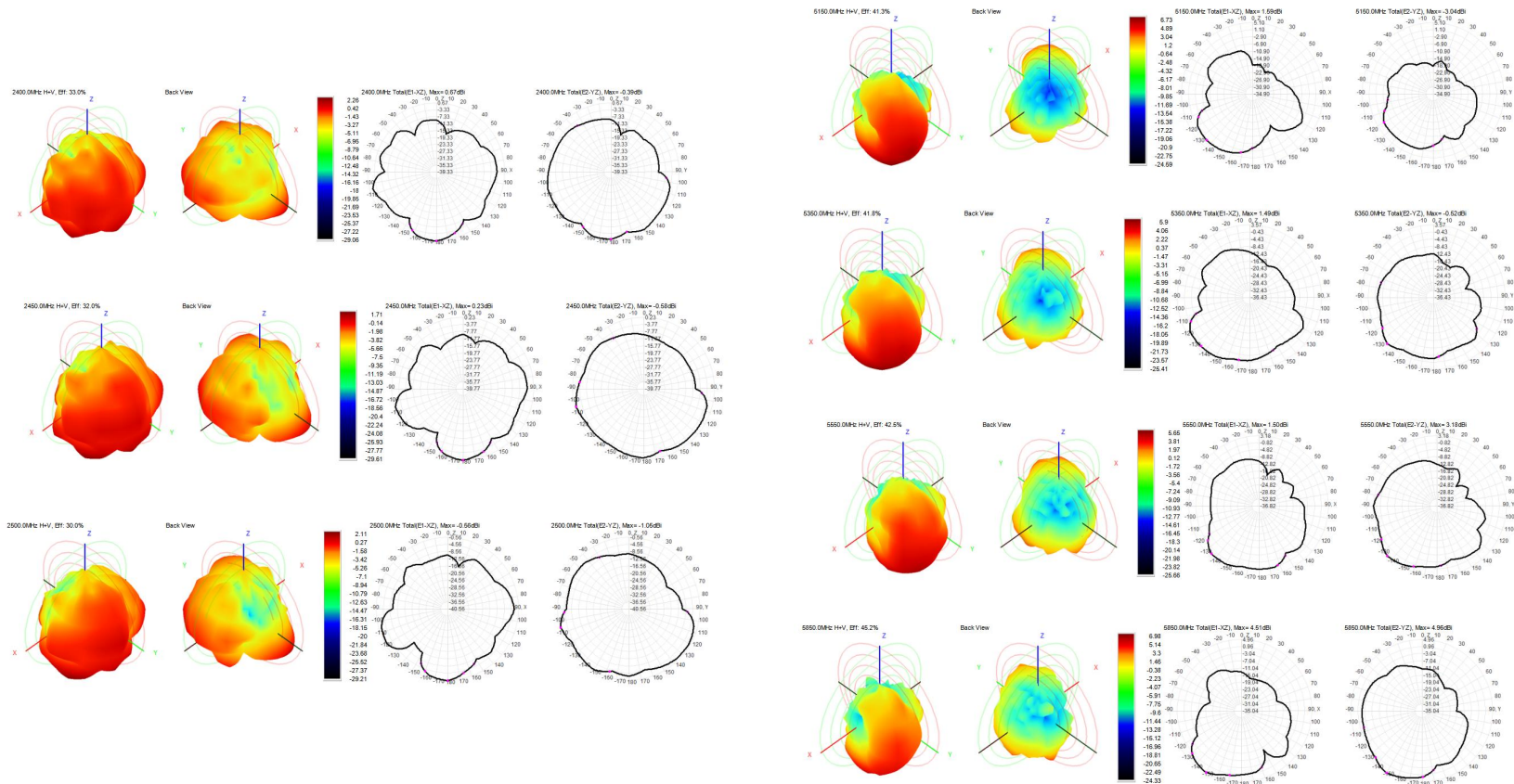
#### WIFI天线无源效率

| Frequency (MHz) | Efficiency (dBi) | Gain (dBi) | Efficiency (%) |
|-----------------|------------------|------------|----------------|
| 2400.0          | -4.82            | 2.26       | 32.97          |
| 2410.0          | -4.72            | 2.03       | 33.71          |
| 2420.0          | -4.70            | 2.08       | 33.85          |
| 2430.0          | -4.59            | 2.09       | 34.73          |
| 2440.0          | -4.70            | 2.16       | 33.88          |
| 2450.0          | -4.95            | 1.71       | 31.99          |
| 2460.0          | -4.83            | 1.84       | 32.88          |
| 2470.0          | -5.31            | 1.37       | 29.46          |
| 2480.0          | -5.29            | 1.66       | 29.61          |
| 2490.0          | -4.97            | 2.32       | 31.82          |
| 2500.0          | -5.23            | 2.11       | 29.96          |
| 5150.0          | -3.84            | 1.59       | 41.29          |
| 5350.0          | -3.79            | 1.49       | 41.76          |
| 5550.0          | -3.71            | 1.50       | 42.54          |
| 5850.0          | -3.44            | 4.51       | 45.24          |

| WIFI 有源测试    |        |        |        |
|--------------|--------|--------|--------|
| 频段           | 1      | 6      | 11     |
| B-TRP-11MBps | 15.25  | 13.51  | 12.45  |
| B-TIS-11MBps | -78.65 | -80.25 | -79.62 |
| G-TRP-54MBps | 14.46  | 13.26  | 12.28  |
| G-TIS-54MBps | -65.82 | -66.27 | -65.5  |
| N-TRP-MCS7   | 14.47  | 13.28  | 12.24  |
| N-TIS-MCS7   | -62.09 | -62.78 | -62.38 |
| 频段           | 36     | 149    | 165    |
| A-TRP-54MBps | 12.57  | 15.48  | 15.47  |
| A-TIS-54MBps | -69.89 | -70.83 | -69.61 |

## 2. Test Result

### 2.3 WIFI Antenna Gain/Efficiency/3D DATE





### 3. Conclusions

Thank you