

# 深圳市亿圣邦科技有限公司

## Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: 亿莱顿

Project: SW2495(R136主板)

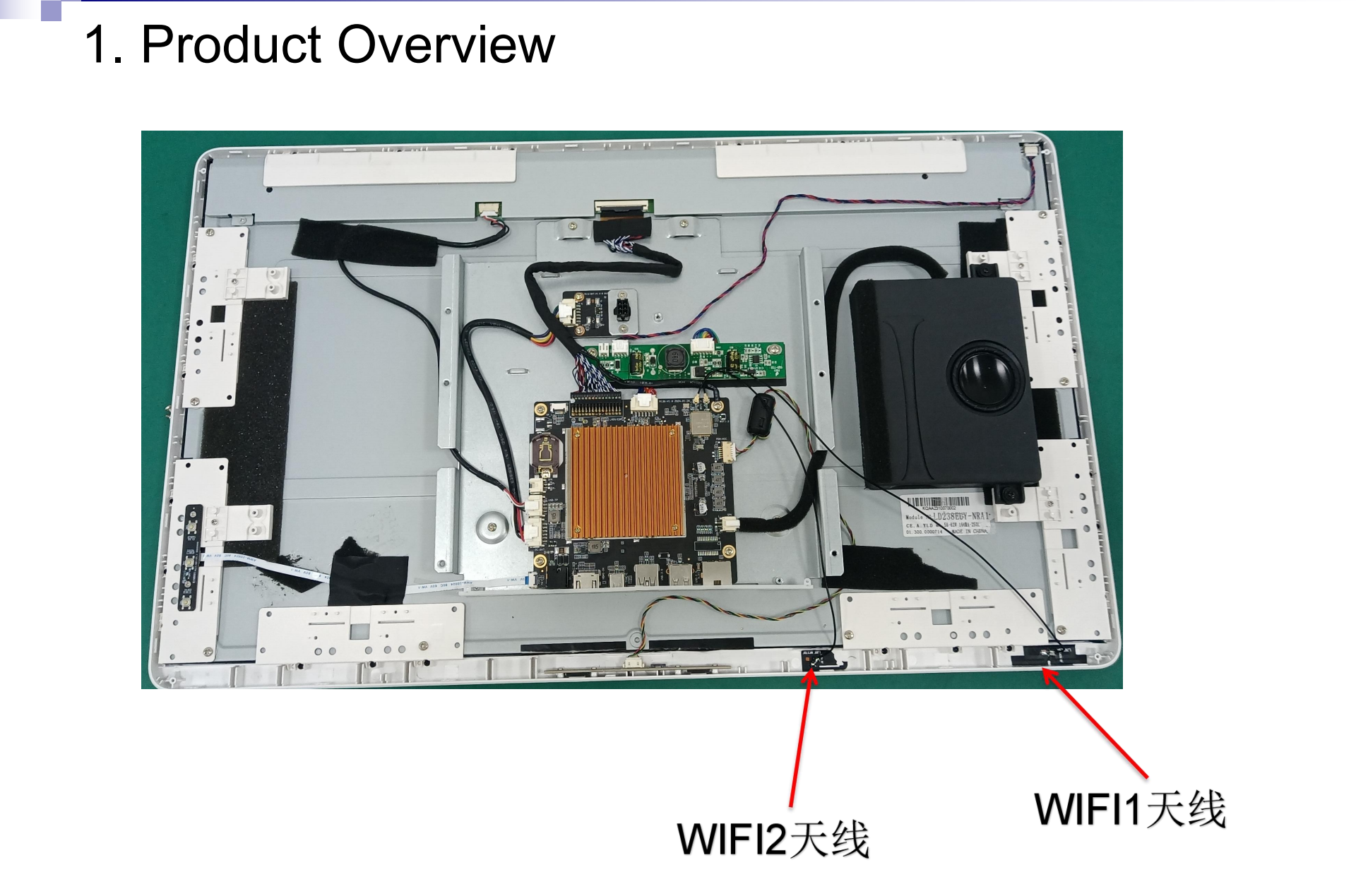
Product: WIFI Antenna

Report date: 2024.4.1

Prepared by : 罗涛

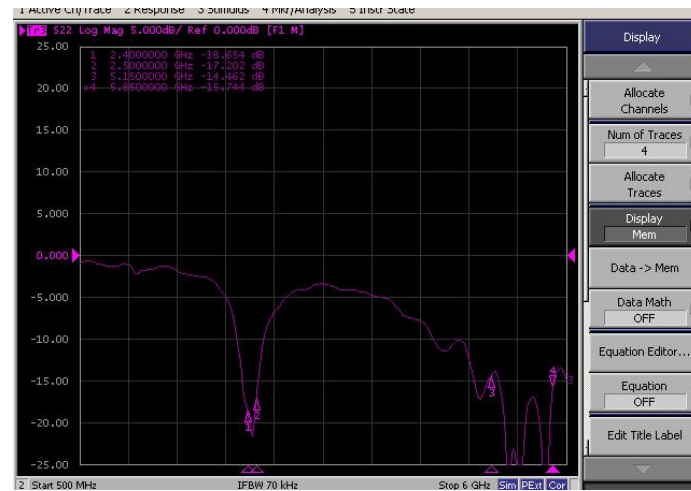
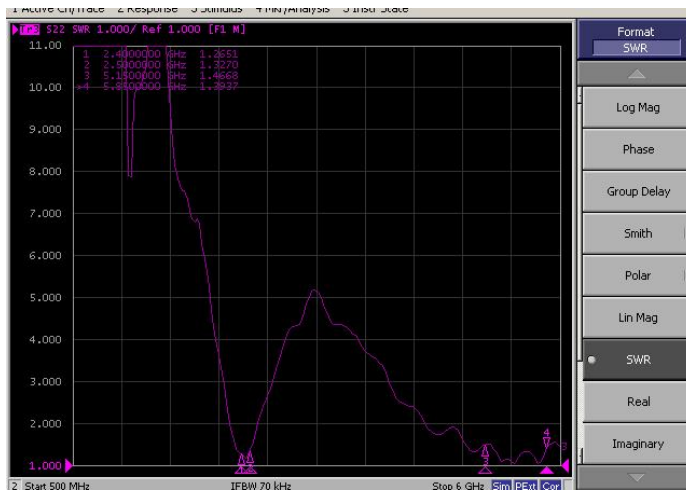
Checked by : 黄震

Approved by : 林美财



## 2. Test Result

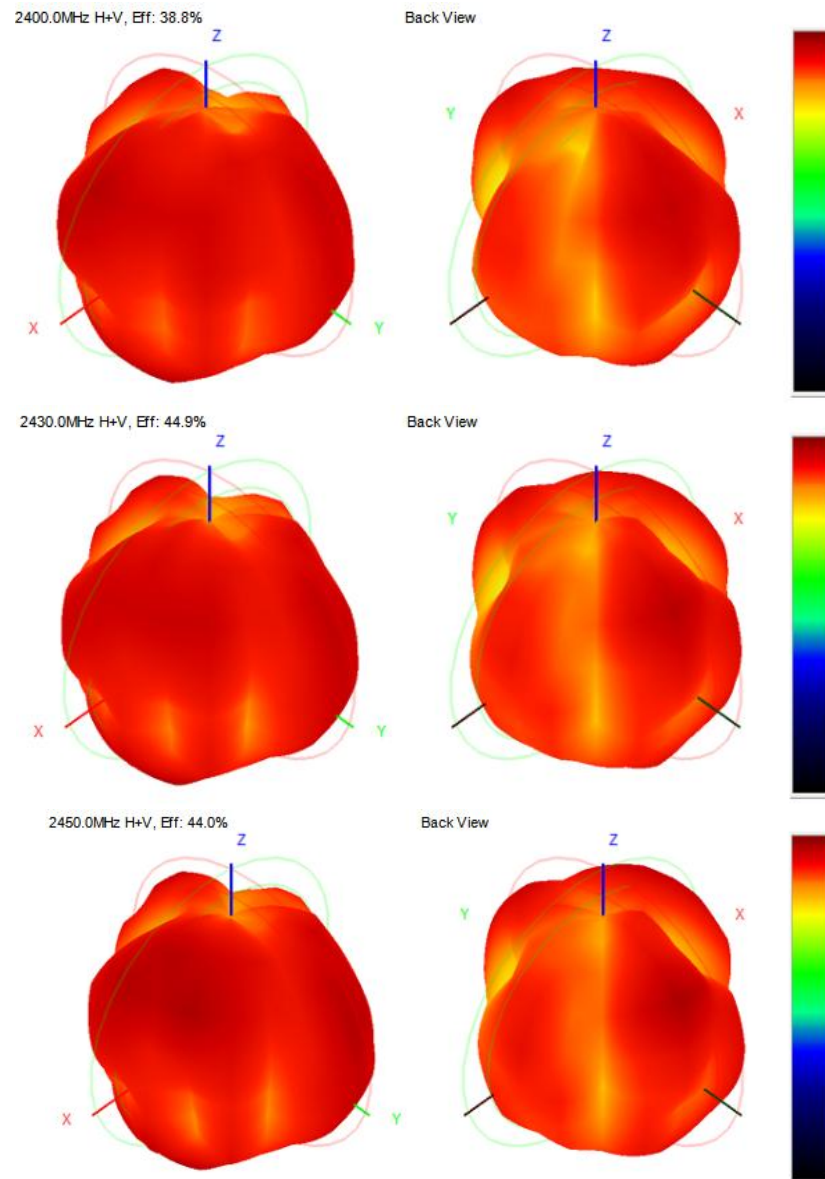
### 2.1.1 WIFI2 Antenna VSWR/S11



## 2. Test Result

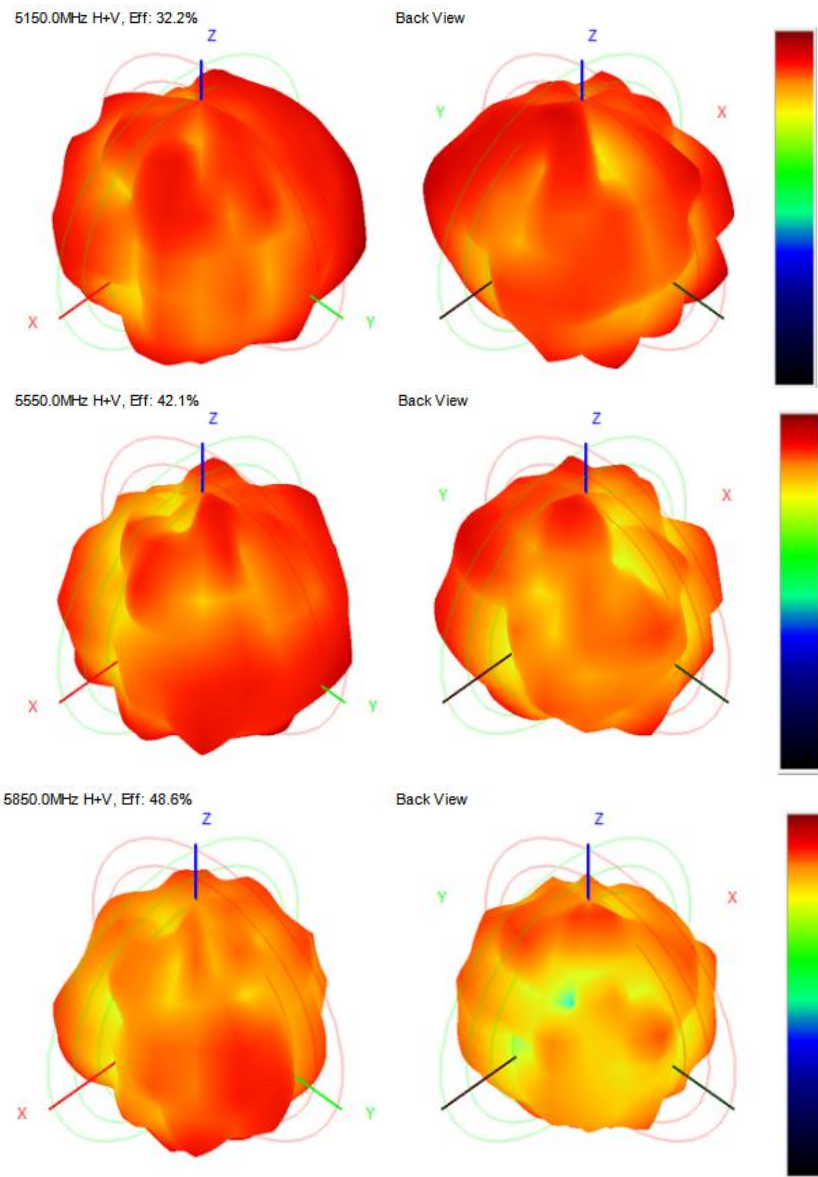
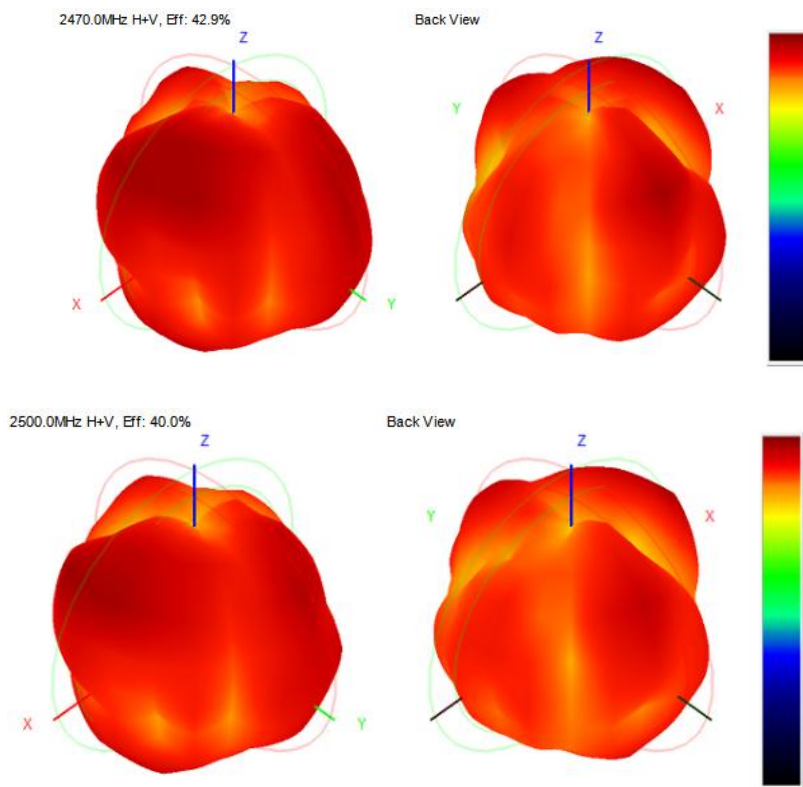
### 2.1.2无源数据

| Frequency (MHz) | Efficiency (dBi) | Gain (dBi) | Efficiency (%) |
|-----------------|------------------|------------|----------------|
| 2400            | -4.11            | 1.20       | 38.82          |
| 2410            | -3.86            | 1.53       | 41.14          |
| 2420            | -3.39            | 1.80       | 45.81          |
| 2430            | -3.48            | 1.70       | 44.92          |
| 2440            | -3.51            | 1.58       | 44.56          |
| 2450            | -3.57            | 1.41       | 43.95          |
| 2460            | -3.25            | 1.80       | 47.29          |
| 2470            | -3.68            | 1.06       | 42.85          |
| 2480            | -3.68            | 1.43       | 42.82          |
| 2490            | -3.82            | 1.51       | 41.46          |
| 2500            | -3.98            | 1.24       | 40.01          |
| 5150            | -4.92            | 0.75       | 32.24          |
| 5250            | -4.68            | 0.83       | 34.02          |
| 5550            | -3.75            | 1.83       | 42.12          |
| 5750            | -3.58            | 1.31       | 43.85          |
| 5850            | -3.14            | 1.99       | 48.57          |



## 2. Test Result

### 2.1.2 无源数据



## 2. Test Result

### 2.1.3 WIFI Antenna 有源导数据

| B-11MBps |       |        | G-54MBps |       |        |
|----------|-------|--------|----------|-------|--------|
|          | TRP   | TIS    |          | TRP   | TIS    |
| 1        | 14.46 | -81.57 | 1        | 12.43 | -71.22 |
| 6        | 14.64 | -81.68 | 6        | 12.24 | -71.71 |
| 11       | 14.69 | -82.23 | 11       | 12.11 | -71.77 |
| N-MCS7   |       |        | A-54MBps |       |        |
|          | TRP   | TIS    |          | TRP   | TIS    |
| 1        | 12.49 | -70.01 | 36       | 13.81 | -71.79 |
| 6        | 12.25 | -70.57 | 149      | 13.3  | -71.25 |
| 11       | 12.13 | -70.23 | 165      | 13.9  | -71.06 |

### 3. Conclusions

谢谢！