

# 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: SW3295(R136主板)

Product: WIFI Antenna

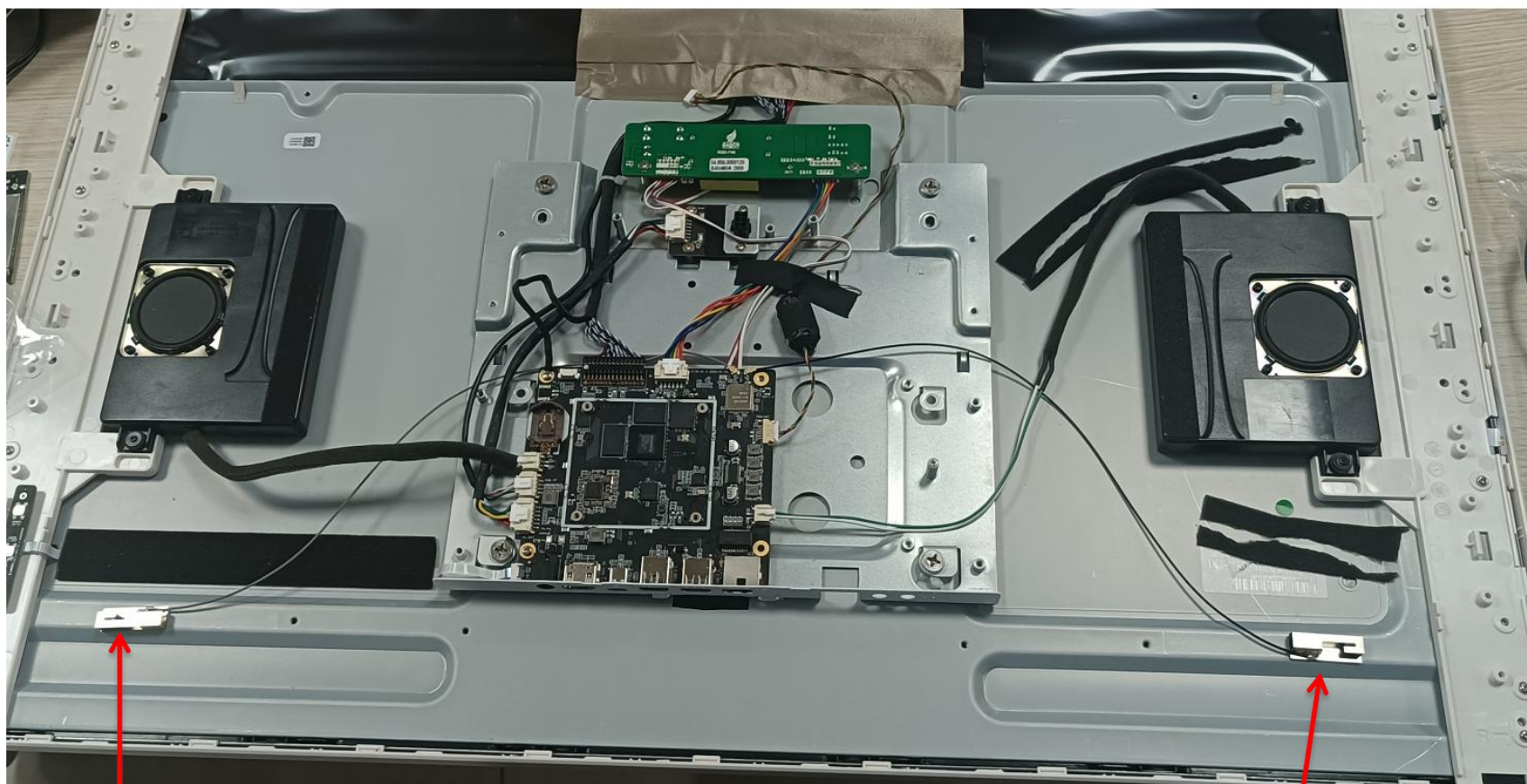
Report date: 2024.3.28

Prepared by : 罗涛

Checked by : 黄震

Approved by : 林美财

# 1. Product Overview

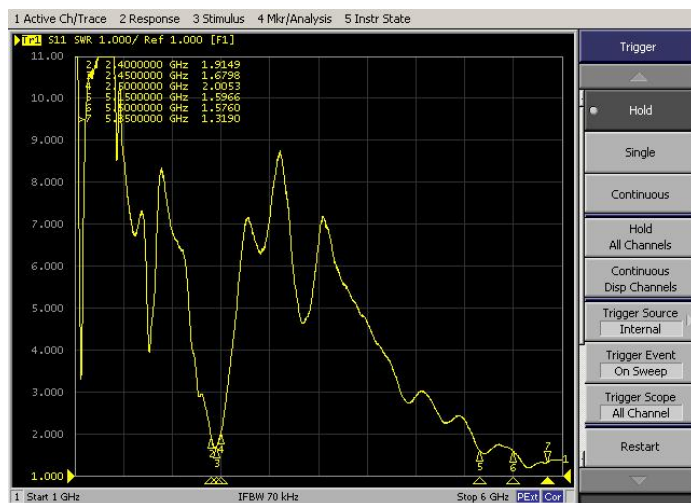


ANT 1

ANT 2

## 2. Test Result

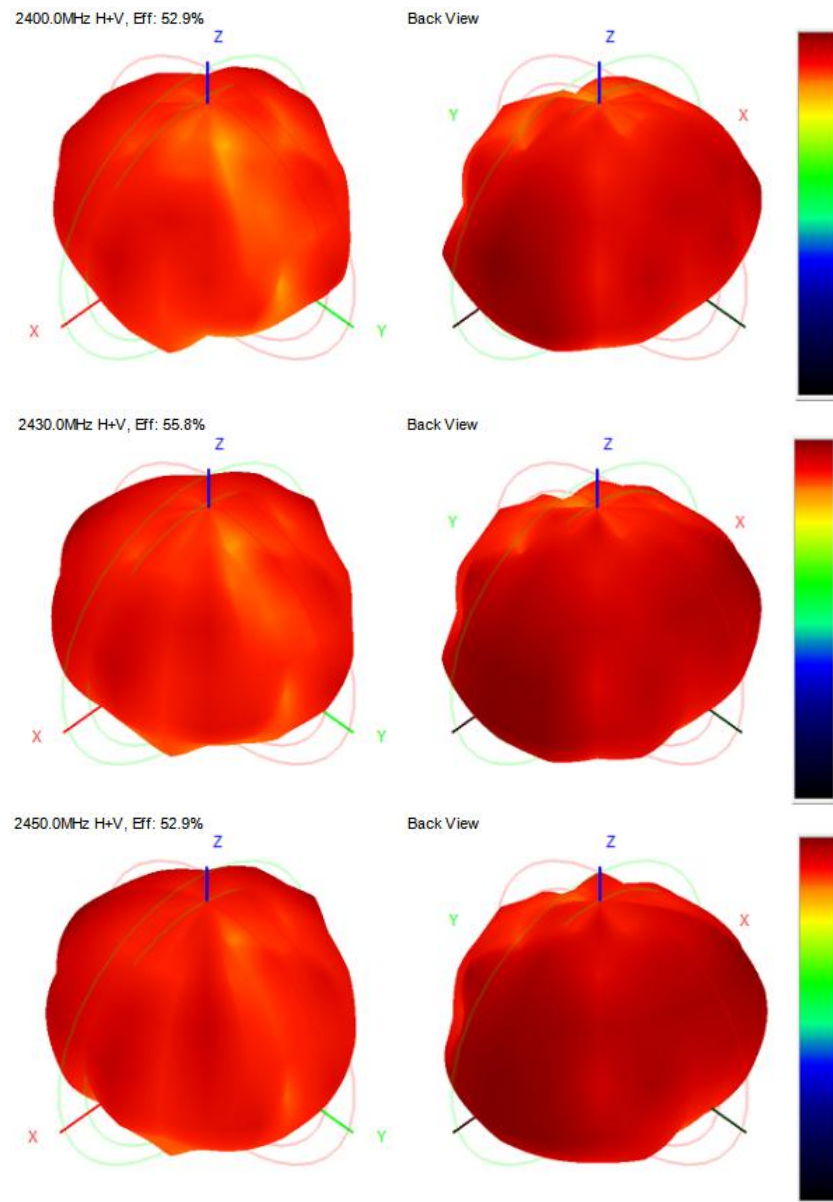
### 2.1.1 Antenna2 VSWR/S11



## 2. Test Result

### 2.1.2无源数据

| Frequency (MHz) | Efficiency (dBi) | Gain (dBi) | Efficiency (%) |
|-----------------|------------------|------------|----------------|
| 2400.0          | -2.76            | 0.87       | 52.94          |
| 2410.0          | -2.72            | 0.78       | 53.48          |
| 2420.0          | -2.31            | 0.87       | 58.77          |
| 2430.0          | -2.54            | 1.46       | 55.75          |
| 2440.0          | -2.49            | 1.34       | 56.39          |
| 2450.0          | -2.77            | 0.96       | 52.86          |
| 2460.0          | -2.79            | 0.93       | 52.55          |
| 2470.0          | -3.21            | 1.55       | 47.74          |
| 2480.0          | -3.47            | 1.28       | 44.98          |
| 2490.0          | -3.45            | 1.19       | 45.22          |
| 2500.0          | -3.75            | 1.98       | 42.20          |
| 5150.0          | -3.31            | 1.23       | 46.62          |
| 5250.0          | -3.64            | 1.56       | 43.27          |
| 5550.0          | -3.48            | 1.32       | 44.86          |
| 5750.0          | -4.23            | 0.40       | 37.78          |
| 5850.0          | -3.69            | 1.30       | 42.80          |

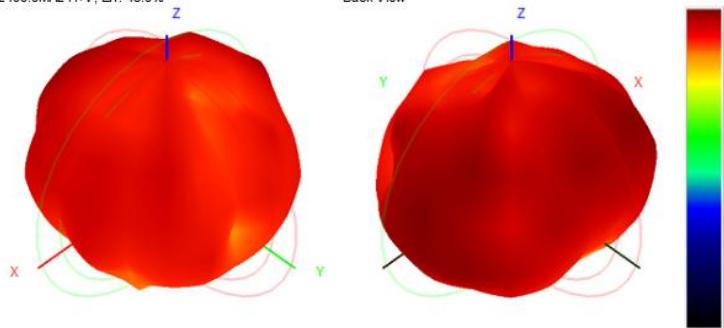


## 2. Test Result

### 2.1.2 无源数据

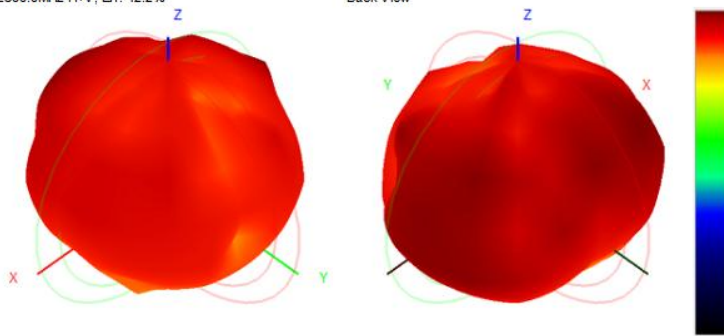
2480.0MHz H+V, Eff: 45.0%

Back View



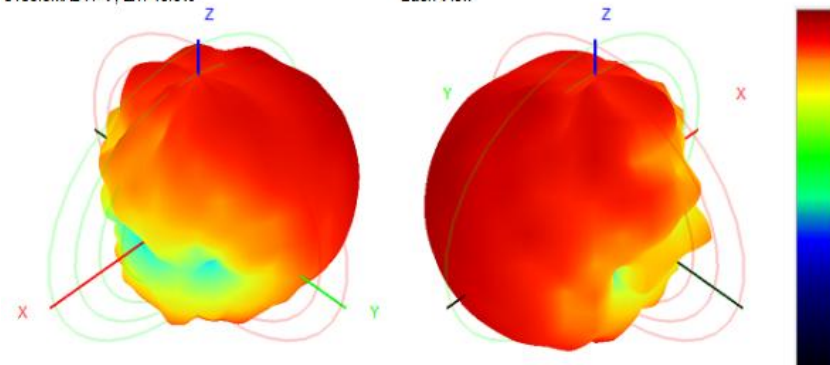
2500.0MHz H+V, Eff: 42.2%

Back View



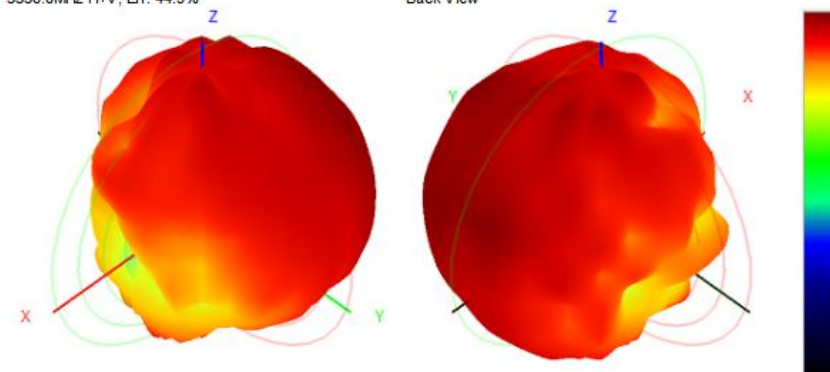
5150.0MHz H+V, Eff: 46.6%

Back View



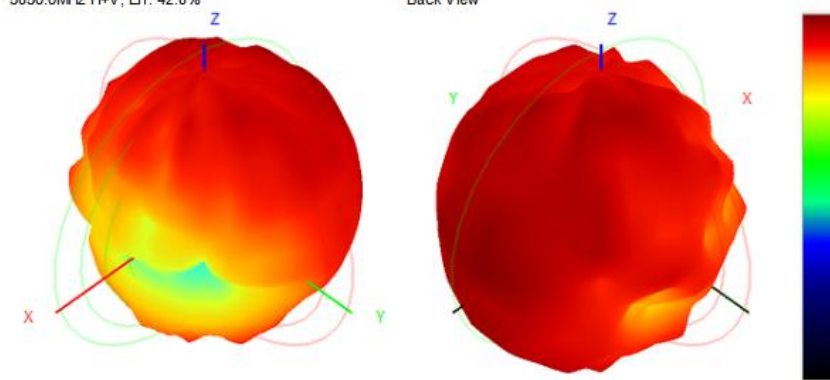
5550.0MHz H+V, Eff: 44.9%

Back View



5850.0MHz H+V, Eff: 42.8%

Back View



## 2. Test Result

### 2.1.3WIFI Antenna 有源导数据

| B-11Mbps |       |        |
|----------|-------|--------|
|          | TRP   | TIS    |
| 1        | 13.01 | -80.27 |
| 6        | 13.04 | -79.97 |
| 11       | 13.23 | -79.03 |

| G-54Mbps |       |        |
|----------|-------|--------|
|          | TRP   | TIS    |
| 1        | 12.22 | -70.63 |
| 6        | 12.47 | -70.88 |
| 11       | 12.87 | -70.51 |

| N-MCS7 |       |        |
|--------|-------|--------|
|        | TRP   | TIS    |
| 1      | 12.19 | -66.44 |
| 6      | 12.56 | -66.32 |
| 11     | 12.68 | -66.65 |

| A-54Mbps |       |        |
|----------|-------|--------|
|          | TRP   | TIS    |
| 36       | 11.31 | -71.27 |
| 149      | 11.95 | -71.79 |
| 165      | 12.24 | -71.82 |

### 3. Conclusions

谢谢！