

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: SW3295-4K(R136主板)

Product: WIFI Antenna

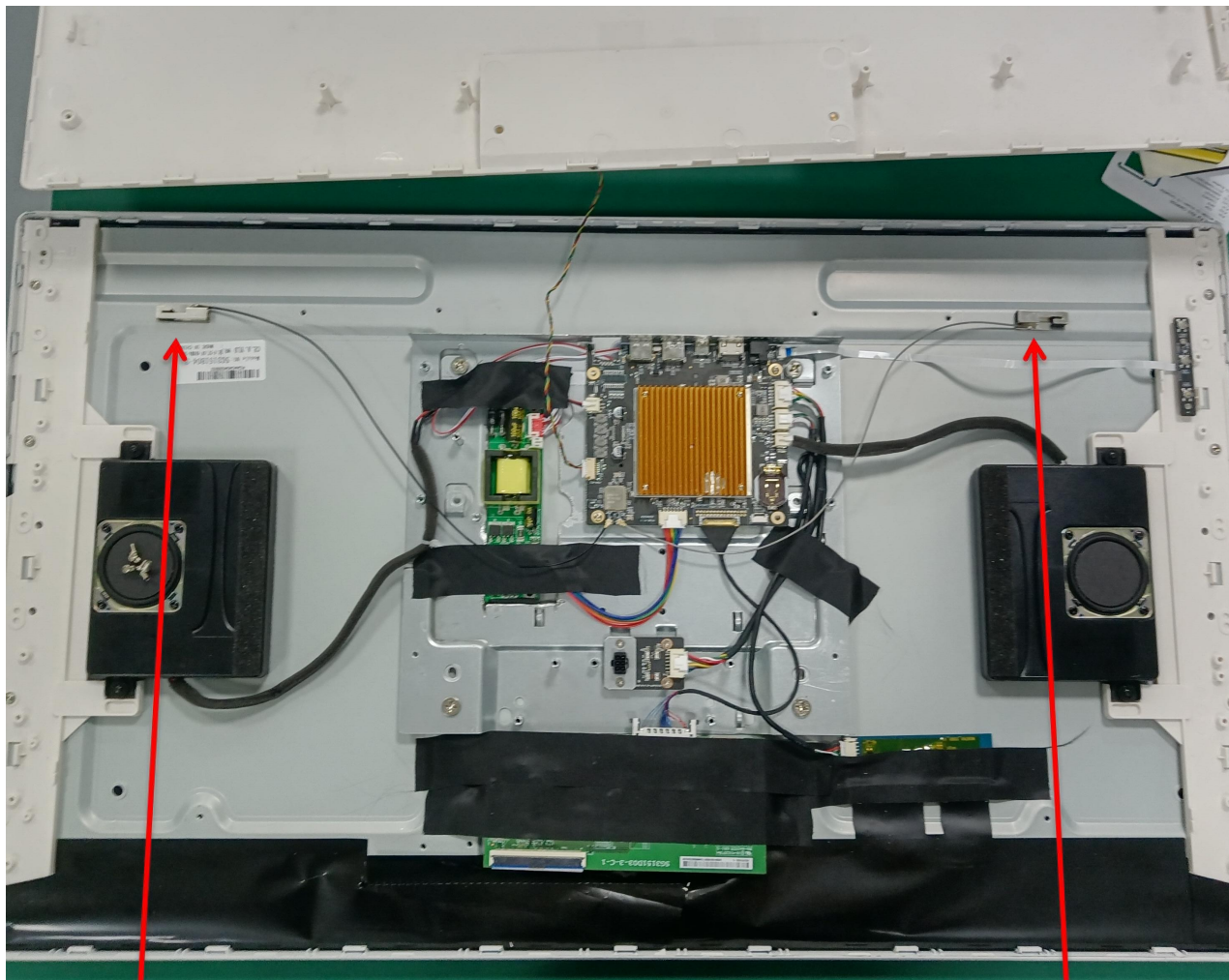
Report date: 2024.5.10

Prepared by : 罗涛

Checked by : 黄震

Approved by : 林美财

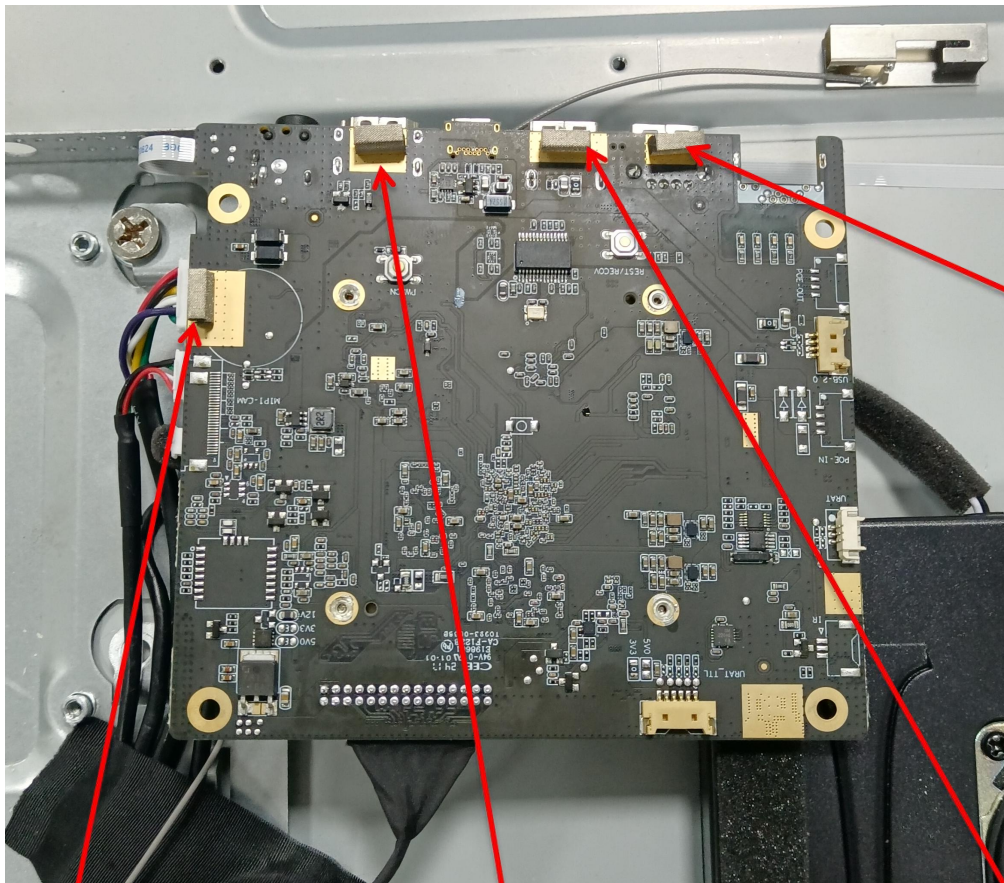
1. Product Overview



WIFI 2天线

WIFI 1天线

1. Product Overview



1号位置贴接地
海绵与框接地

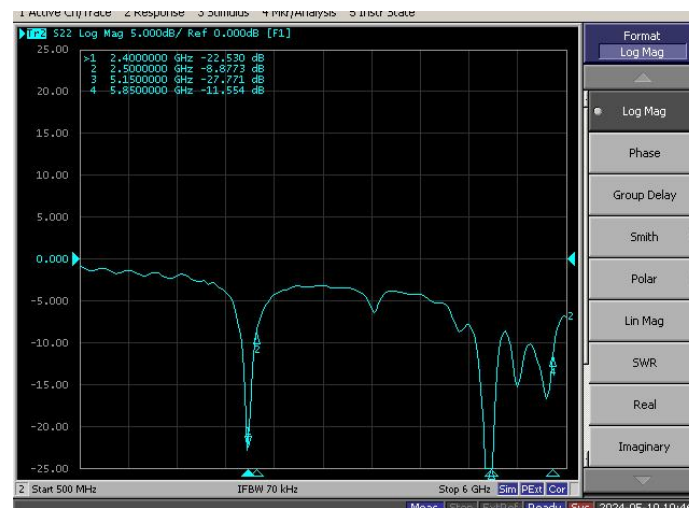
2号位置贴接地
海绵与框接地

3号位置贴接地
海绵与框接地

4号位置贴接地
海绵与框接地

2. Test Result

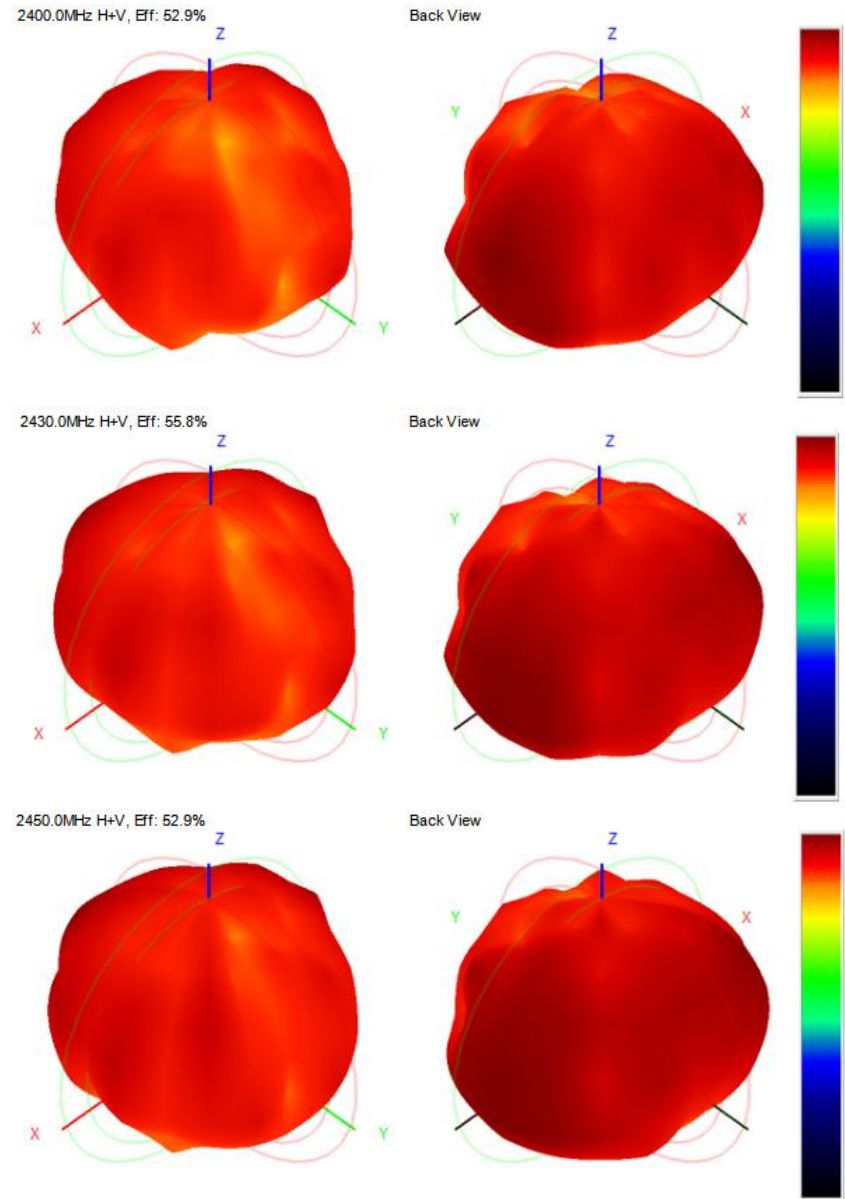
2.1.1 WIFI1 Antenna VSWR/S11



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

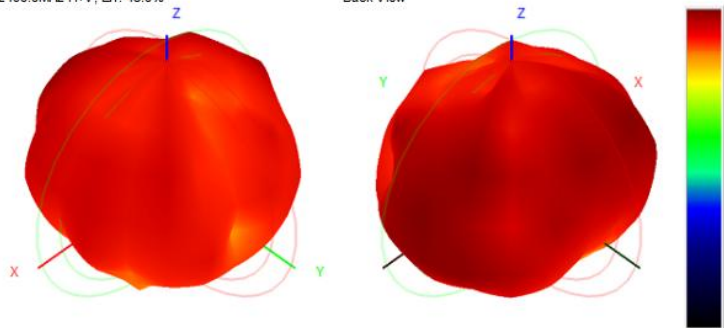


2. Test Result

2.1.2 无源数据

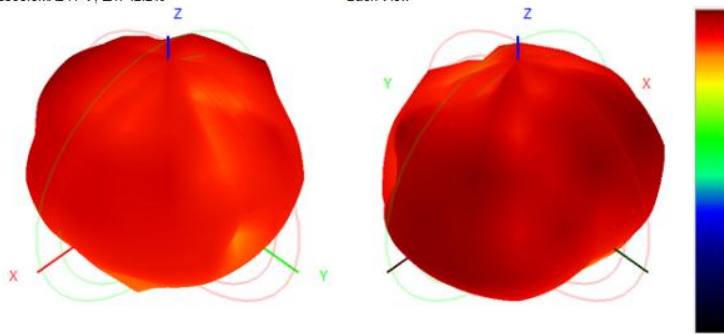
2480.0MHz H+V, Eff: 45.0%

Back View



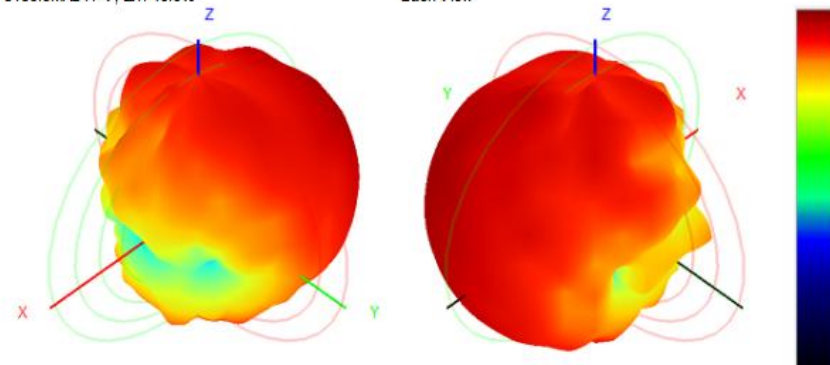
2500.0MHz H+V, Eff: 42.2%

Back View



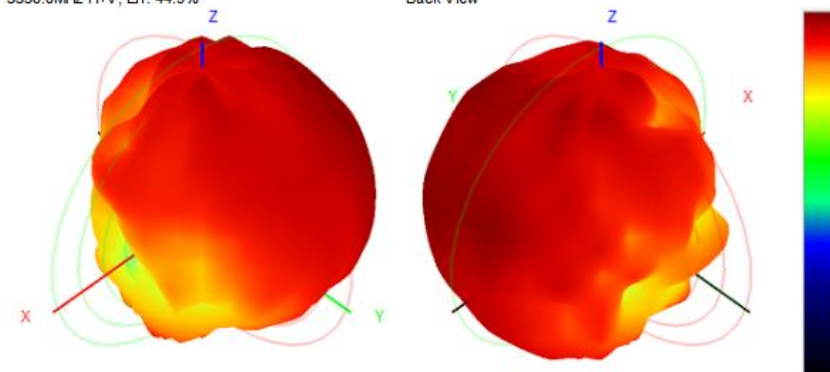
5150.0MHz H+V, Eff: 46.6%

Back View



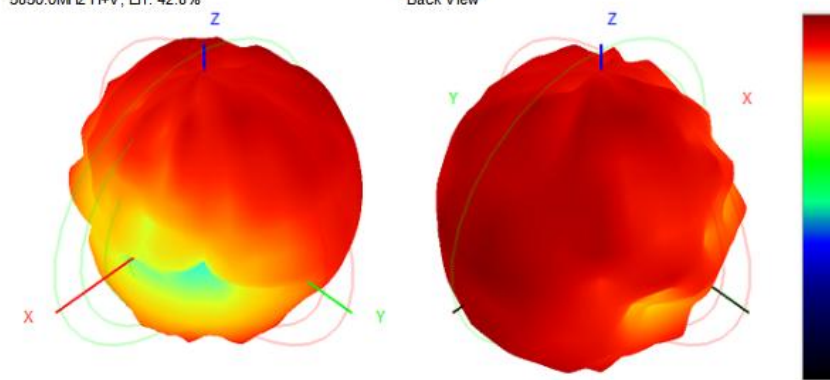
5550.0MHz H+V, Eff: 44.9%

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	15.43	-79.7
6	15.45	-77.81
11	15.86	-78.53

G-54MBps		
	TRP	TIS
1	15.62	-69.63
6	15.27	-70.1
11	15.48	-69.24

N-MCS7		
	TRP	TIS
1	15.32	-68.75
6	15.32	-70.8
11	15.61	-66.35

A-54MBps		
	TRP	TIS
36	13.82	-71.34
149	13.93	-71.35
165	14.4	-71.06

3. Conclusions

谢谢！