

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: WF2188T (WIFI:SLK-YLD-3222A-R-345I-B)

Product: WIFI Antenna

Report date: 2024.11.1

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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 MAIN Antenna VSWR

2.2 WIFI MAIN Antenna Gain/Efficiency/3D DATA

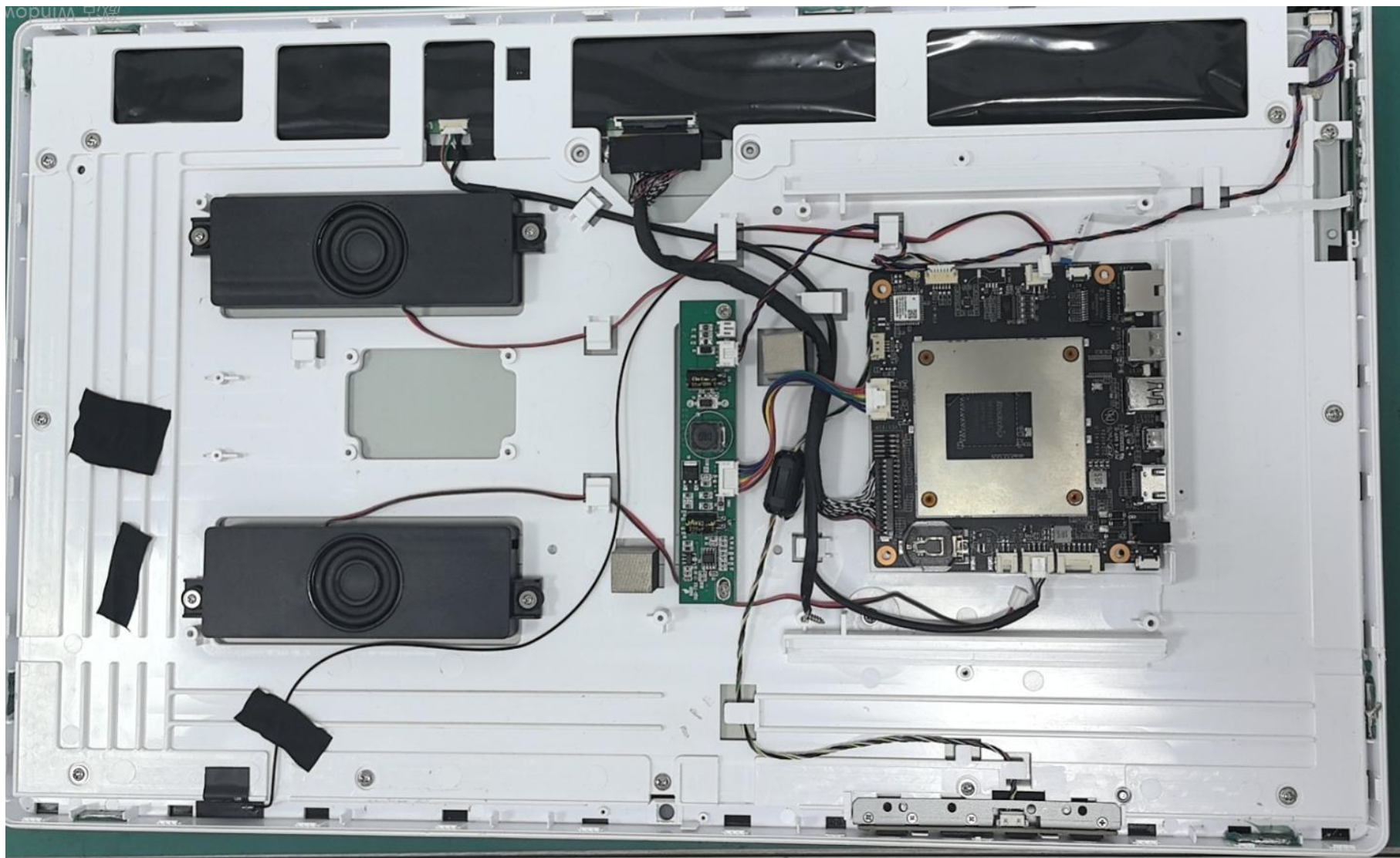
2.3 WIFI AUX Antenna VSWR

2.4 WIFI AUX Antenna Gain/Efficiency/3D DATA

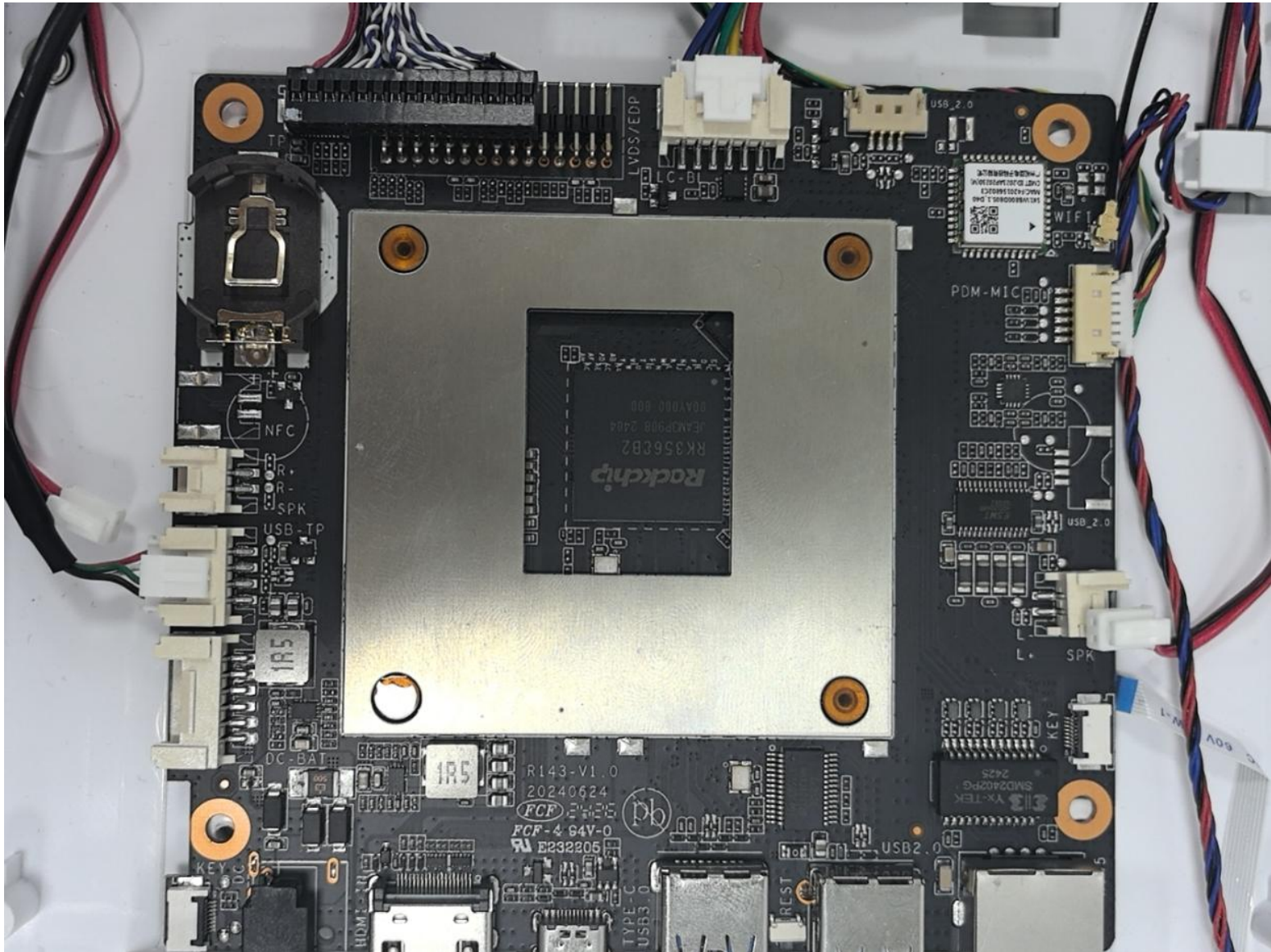
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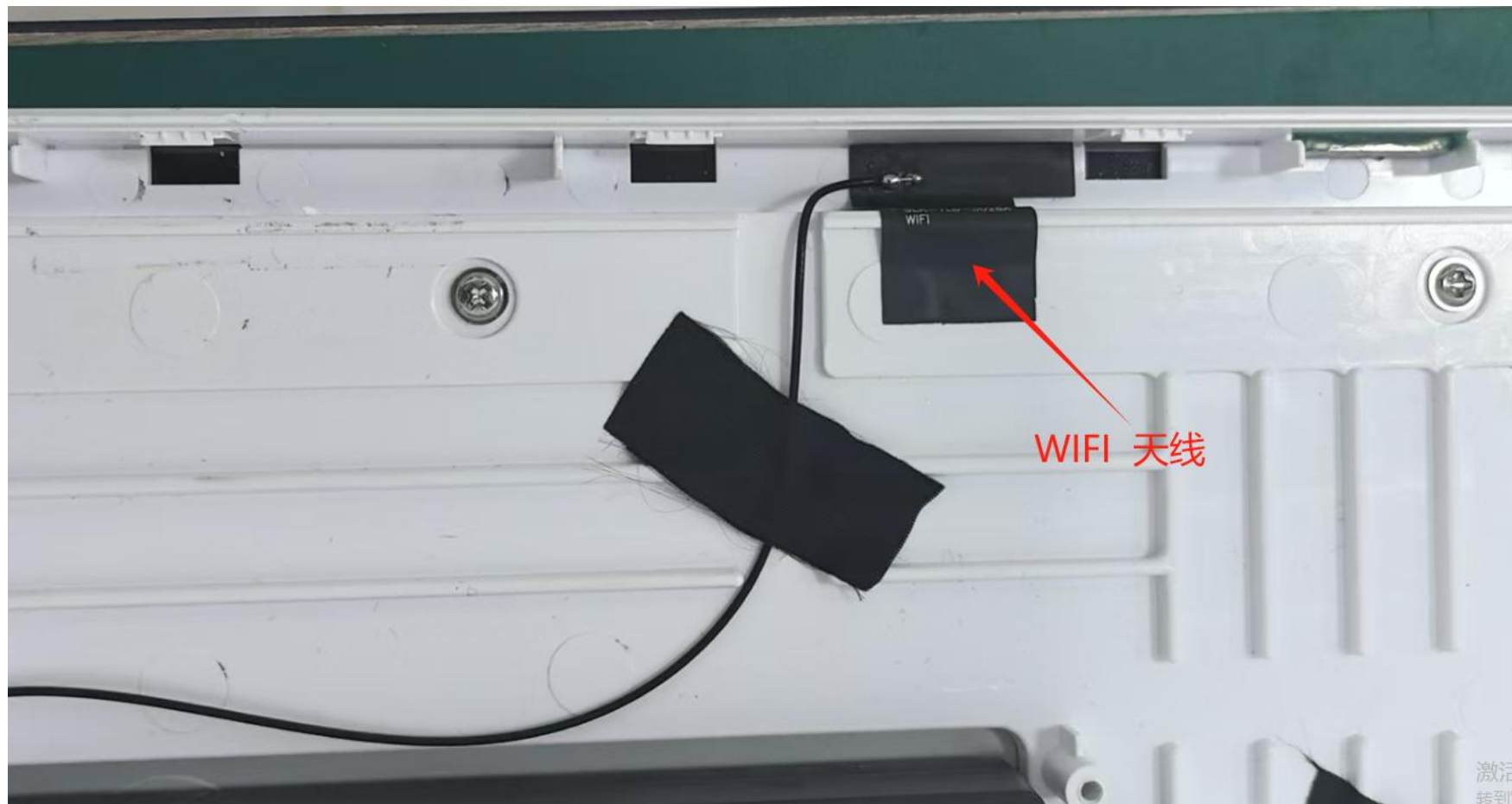
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2.3 WIFI AUX Antenna VSWR

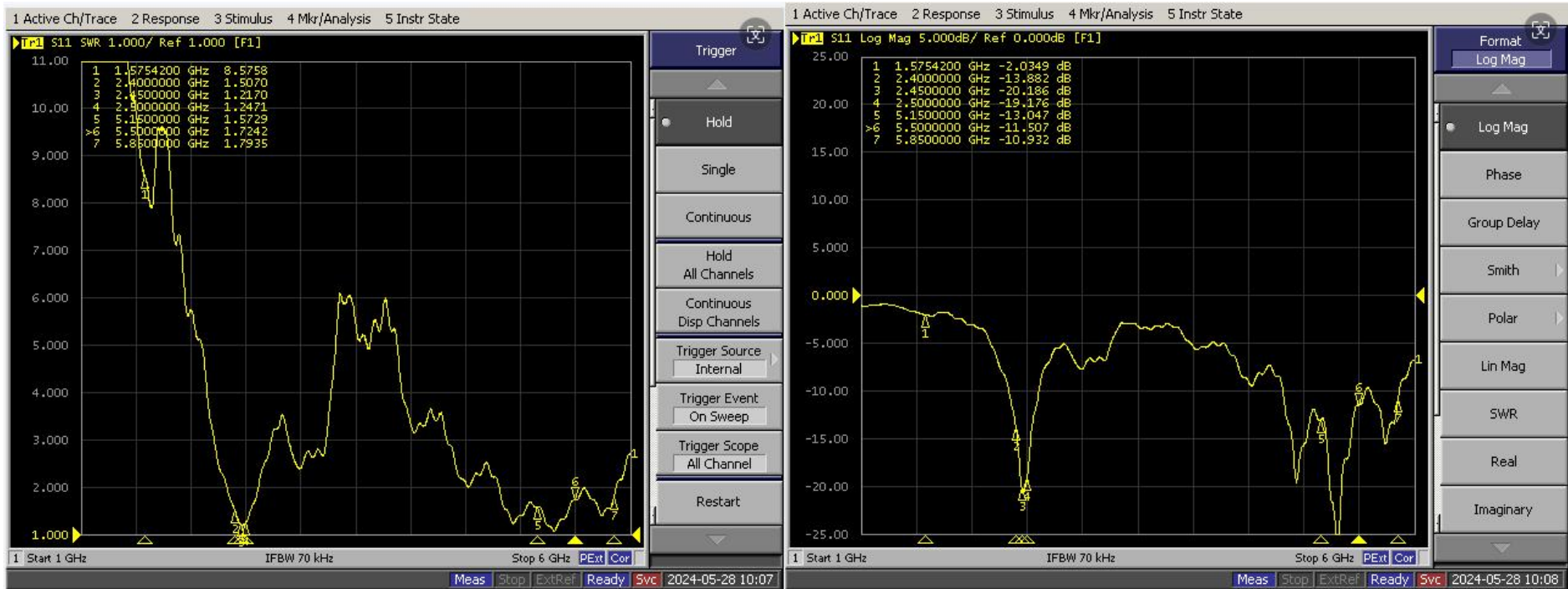
2.4 WIFI AUX Antenna Gain/Efficiency/3D DATA

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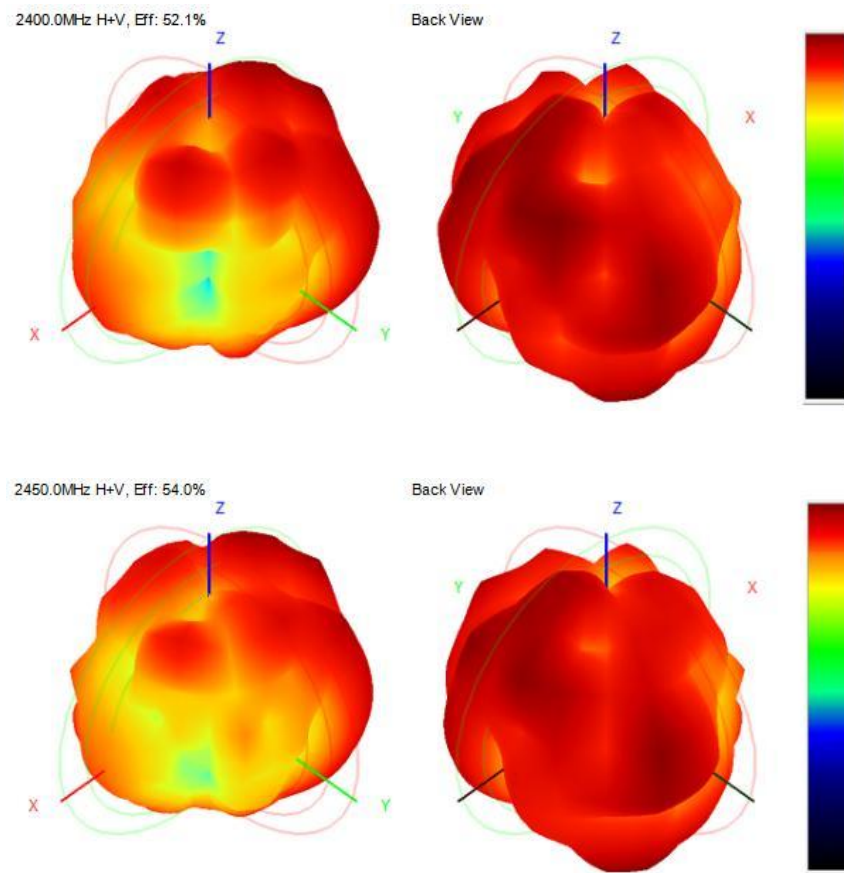
2.1 WIFI MAIN Antenna VSWR/S11



2. Test Result

2.2 WIFI MAIN Antenna Gain/Efficiency/3D DATA

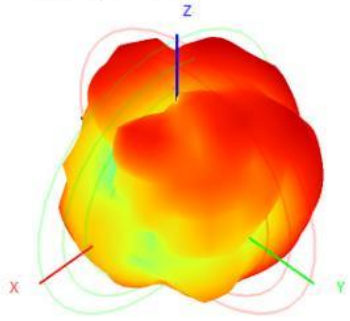
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-2.83	2.22	52.07
2410	-2.83	2.29	52.06
2420	-2.45	2.84	56.87
2430	-2.54	2.76	55.77
2440	-2.48	3.05	56.54
2450	-2.68	2.89	53.96
2460	-2.47	3.39	56.60
2470	-2.93	3.06	50.96
2480	-3.13	3.11	48.69
2490	-3.05	3.44	49.55
2500	-3.26	3.01	47.20
5150	-3.14	2.50	48.52
5250	-3.65	3.72	43.20
5350	-3.22	3.45	47.67
5450	-2.36	2.83	58.10
5550	-2.73	2.46	53.38
5650	-2.72	2.79	53.44
5750	-2.71	2.99	53.53
5850	-2.16	2.56	60.78



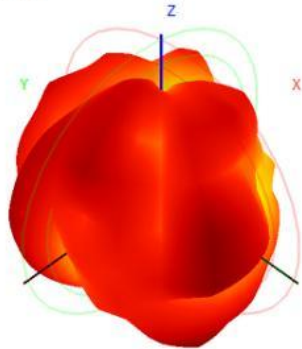
2. Test Result

2.2 WIFI MAIN Antenna Gain/Efficiency/3D DATA

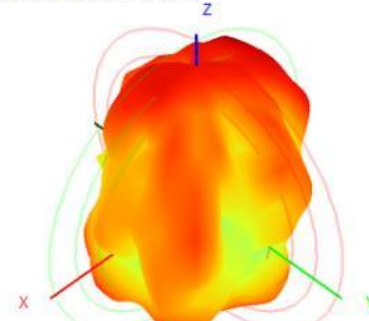
2500.0MHz H+V, Eff: 47.2%



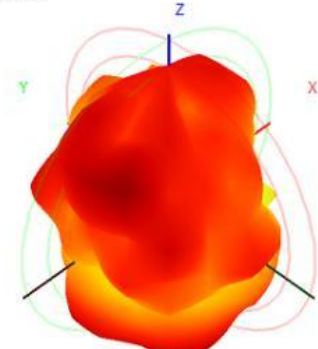
Back View



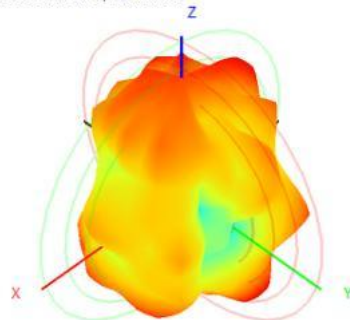
5150.0MHz H+V, Eff: 48.5%



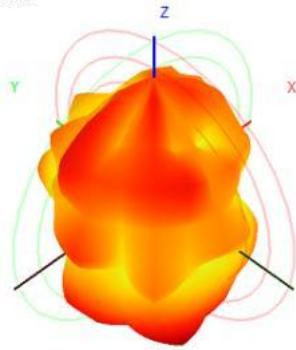
Back View



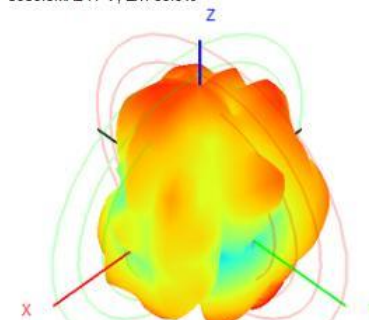
5450.0MHz H+V, Eff: 58.1%



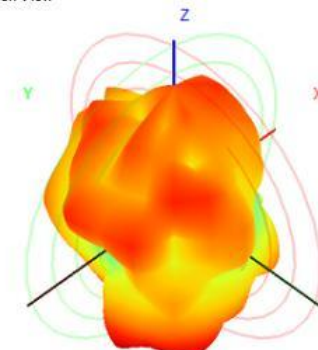
Back View



5850.0MHz H+V, Eff: 60.8%



Back View



2. Test Result

2.3 WIFI active test

WIFI 有源测试			
频段	1	6	11
B-TRP-11Mbps	12.39	13.58	13.26
B-TIS-11Mbps	-81.47	-82.56	-82.78
G-TRP-54Mbps	10.84	12.53	11.75
G-TIS-54Mbps	-71.59	-72.86	-72.06
N-TRP-MCS7	10.22	11.49	11.16
N-TIS-MCS7	-68.12	-69.28	-69.38
频段	36	149	165
A-TRP-54Mbps	12.23	13.24	12.34
A-TIS-54Mbps	-72.10	-72.93	-72.41

3. Conclusions

谢谢！