

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: SW2493(R137主板)

Product: WIFI Antenna

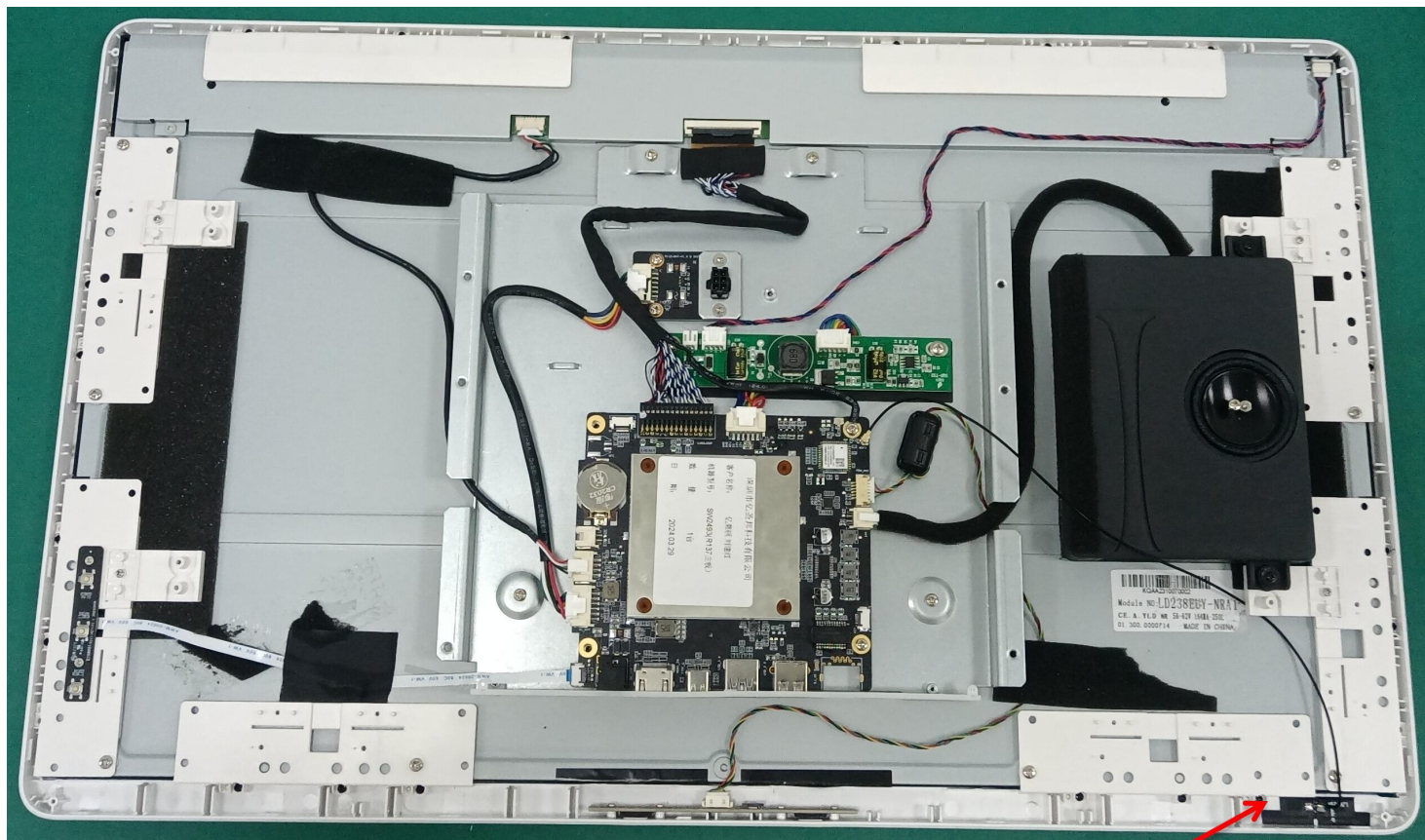
Report date: 2024.4.1

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Checked by : 黄震

Approved by : 林美财

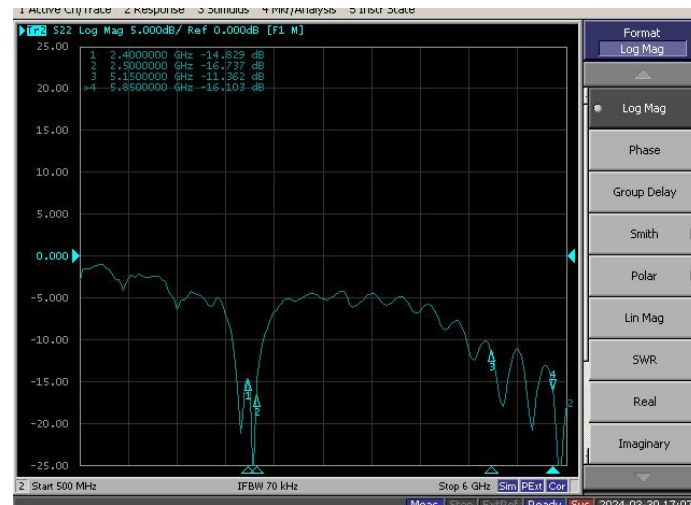
1. Product Overview



WIFI1天线

2. Test Result

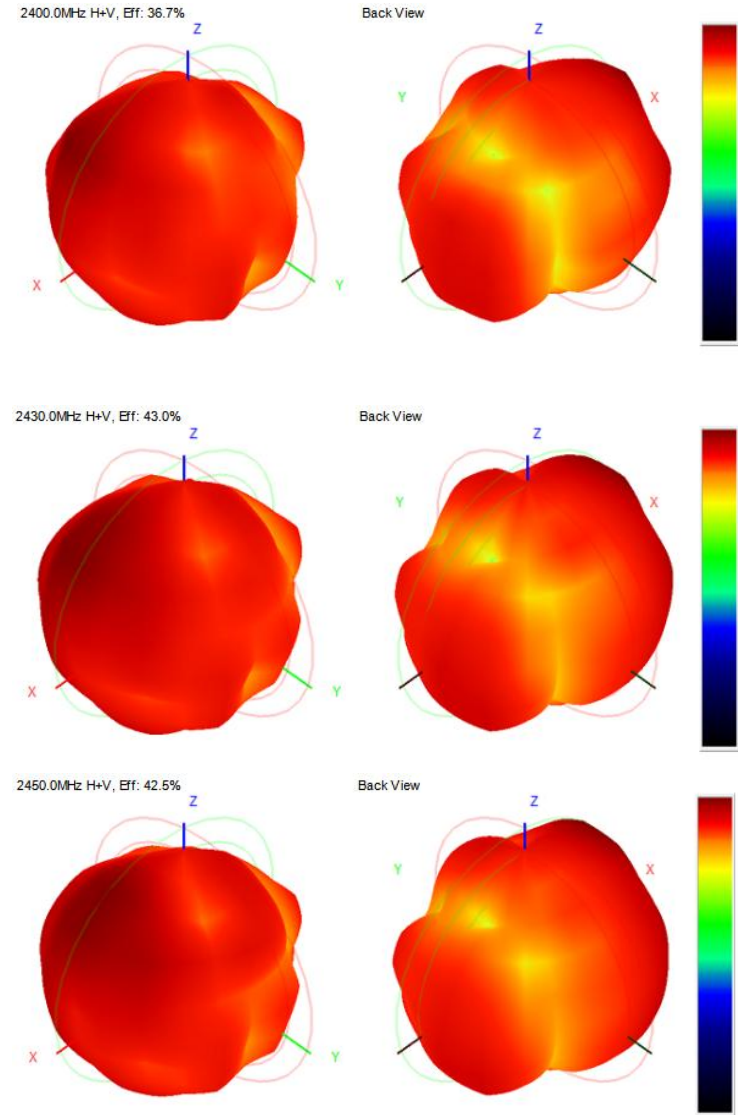
2.1.1 WIFI1 Antenna VSWR/S11



2. Test Result

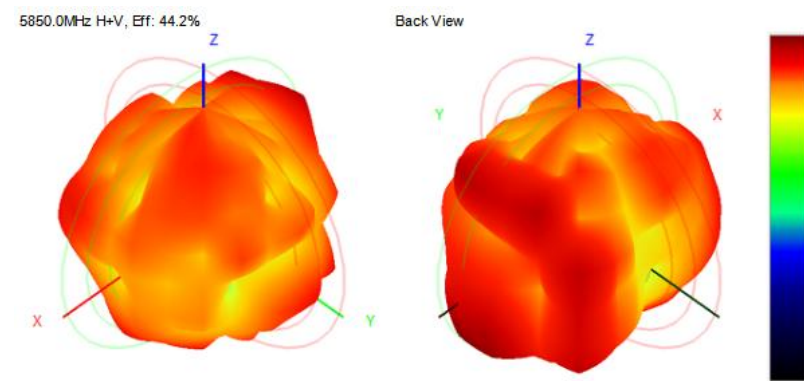
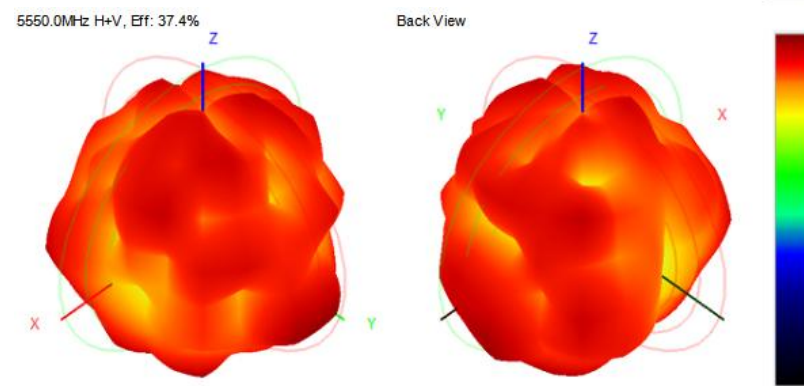
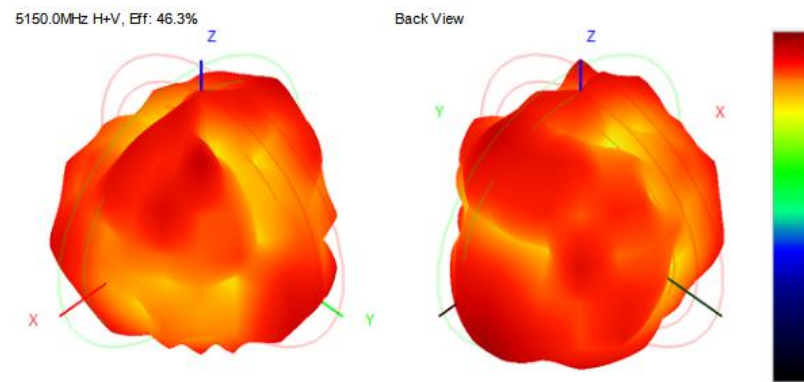
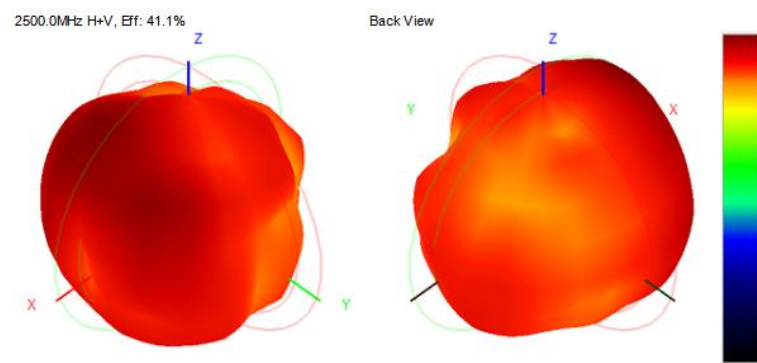
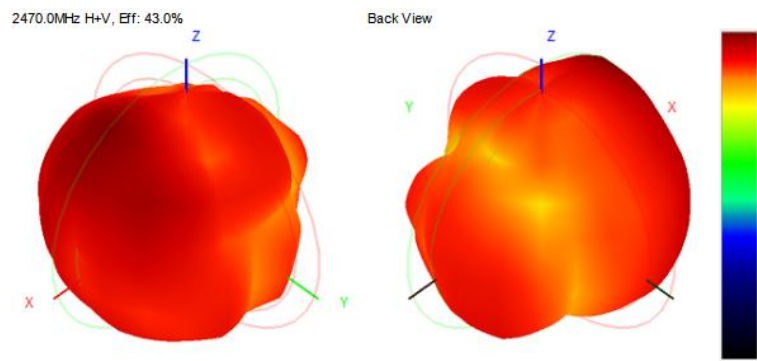
2.1.2无源数据

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.35	0.90	36.74
2410	-3.98	1.26	40.00
2420	-3.84	1.20	41.33
2430	-3.67	0.92	42.97
2440	-3.78	0.75	41.90
2450	-3.72	0.92	42.48
2460	-3.49	1.21	44.74
2470	-3.66	1.31	43.04
2480	-3.67	1.02	42.92
2490	-3.68	0.79	42.83
2500	-3.86	0.89	41.14
5150	-3.34	2.58	46.35
5250	-3.99	0.80	39.91
5550	-4.27	0.92	37.41
5750	-3.60	1.82	43.61
5850	-3.54	1.70	44.23



2. Test Result

2.1.2 无源数据



2. Test Result

2.1.3WIFI Antenna 有源导数据

B-11Mbps			G-54Mbps		
	TRP	TIS		TRP	TIS
1	14.5	-81.55	1	12.7	-71.6
6	14.91	-82.03	6	13.43	-71.9
11	14.31	-82.55	11	13.03	-71.39
N-MCS7			A-54Mbps		
	TRP	TIS		TRP	TIS
1	12.76	-69.19	36	9.63	-71.53
6	13.44	-70.43	149	12.65	-71.23
11	13.02	-70.6	165	12.09	-71.2

3. Conclusions

谢谢！