

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: KDS2485

Product: WIFI

Report date: 2026-01-15

Prepared by : 刘顺

Checked by : 黄震

Approved by : 林美财



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

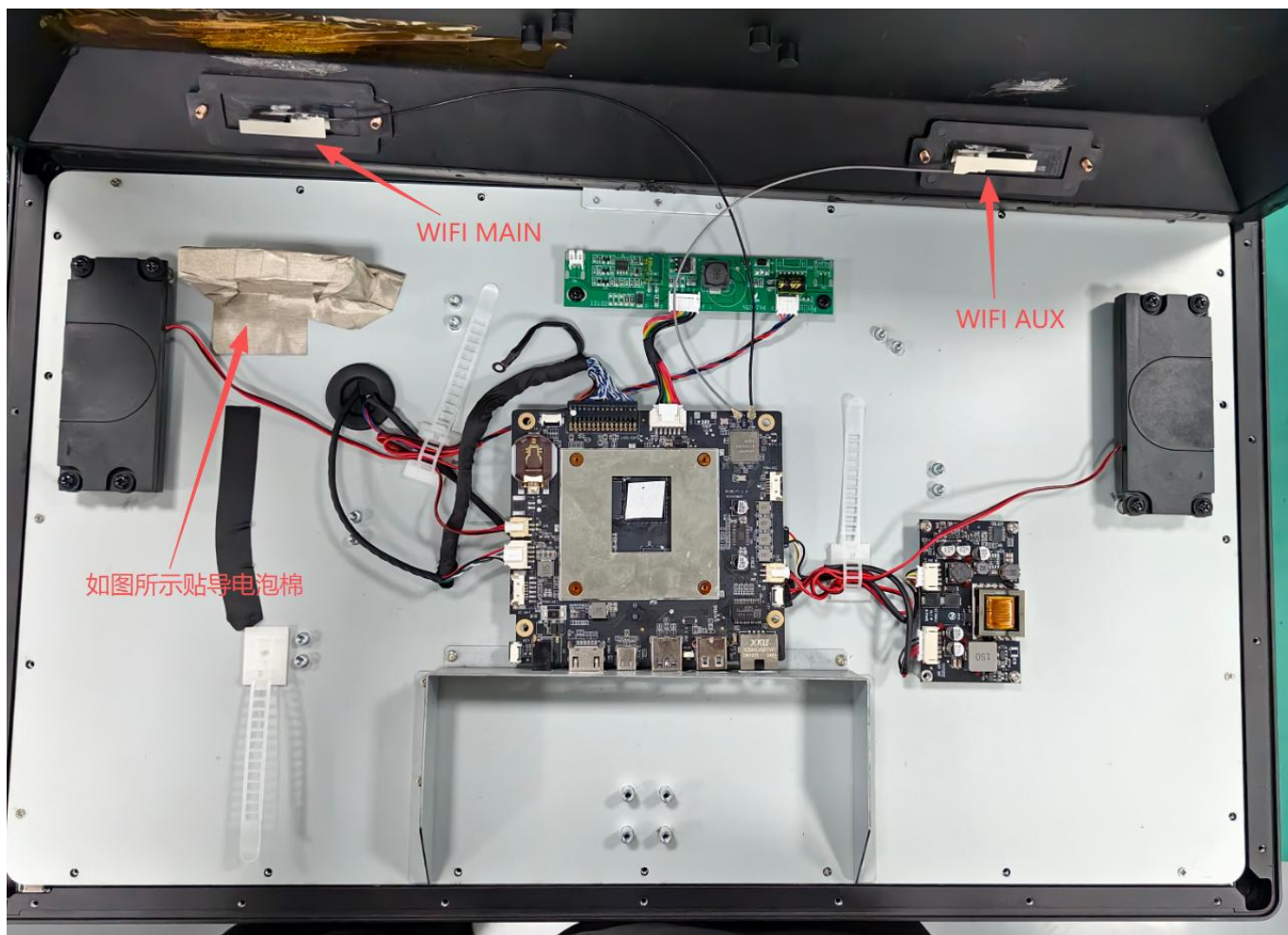
2.1 WIFI MAIN/AUX Antenna VSWR

2.2 WIFI Antenna TRP/TIS

2.3 WIFI MAIN/AUX Antenna Gain/Efficiency/3D DATA

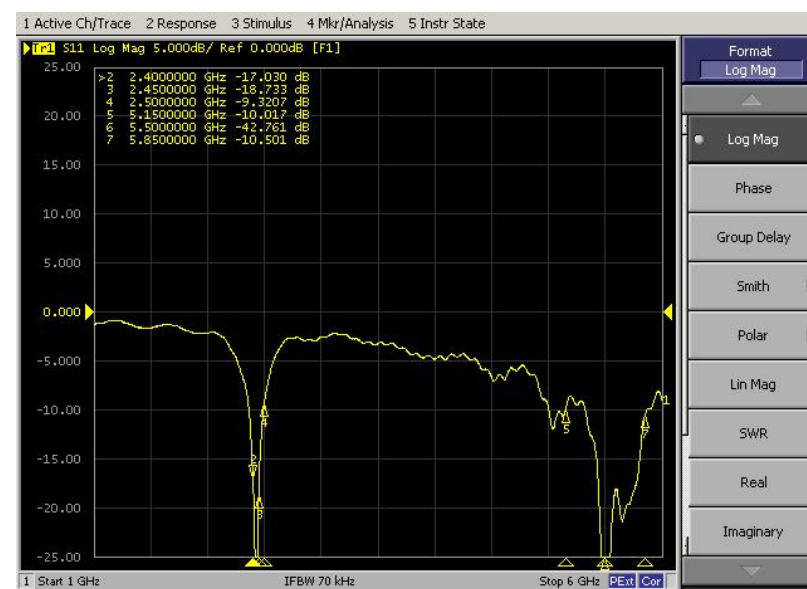
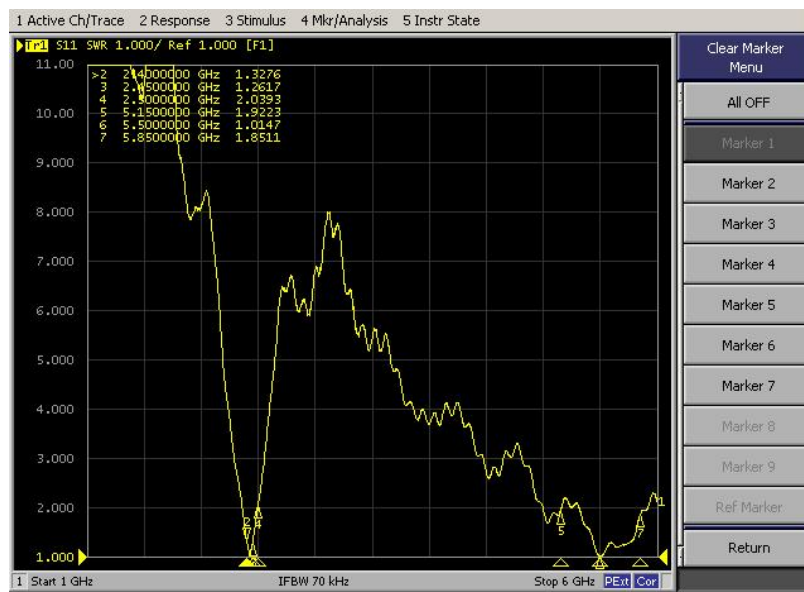
3. Conclusions

1. Product Overview



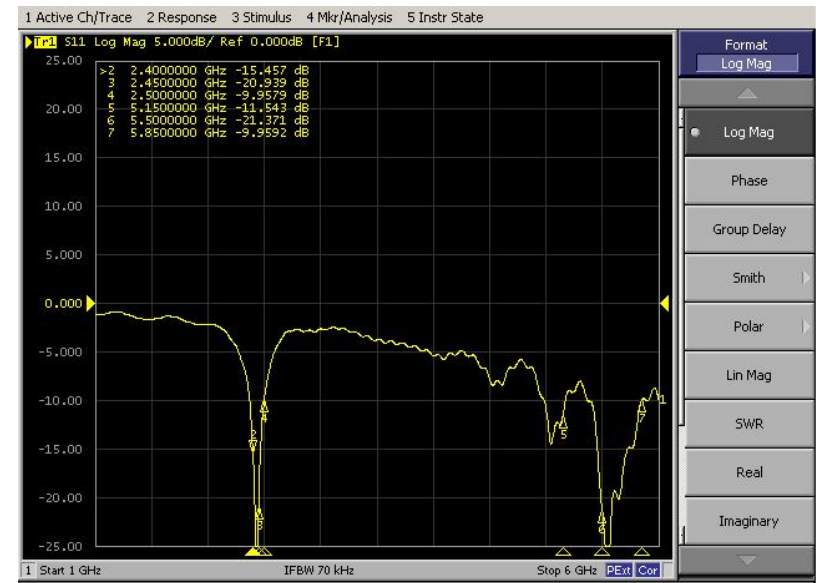
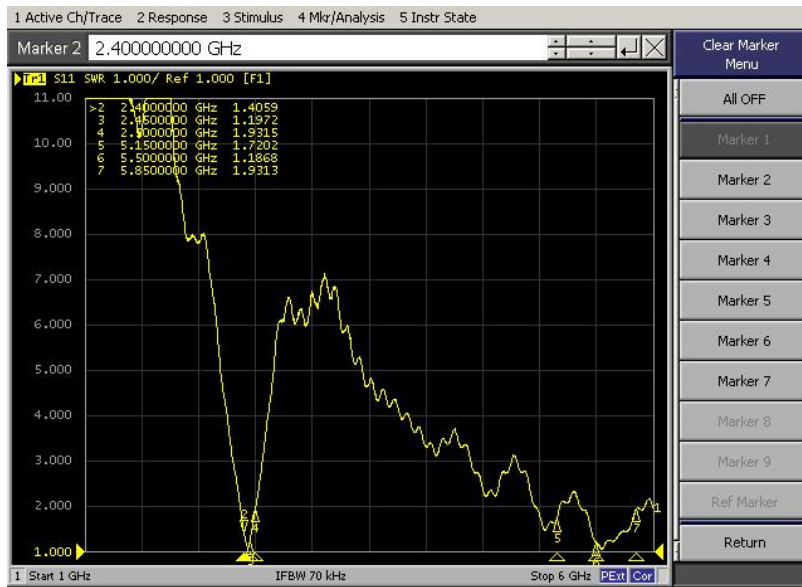
2. Test Result

2.1 WIFI MAIN Antenna VSWR



2. Test Result

2.1 WIFI AUX Antenna VSWR



2. Test Result

2.2 WIFI Antenna TRP/TIS

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	16.44	17	16.83
B-TIS-11MBps	-80.39	-77.48	-80.63
G-TRP-54MBps	16.46	16.65	17.01
G-TIS-54MBps	-68.2	-67.17	-68.61
N-TRP-MCS7	16.26	16.55	16.88
N-TIS-MCS7	-66.57	-65.83	-66.98
频段	36	149	165
A-TRP-54MBps	14.83	11.94	13.97
A-TIS-54MBps	-65.34	-66.41	-66.86

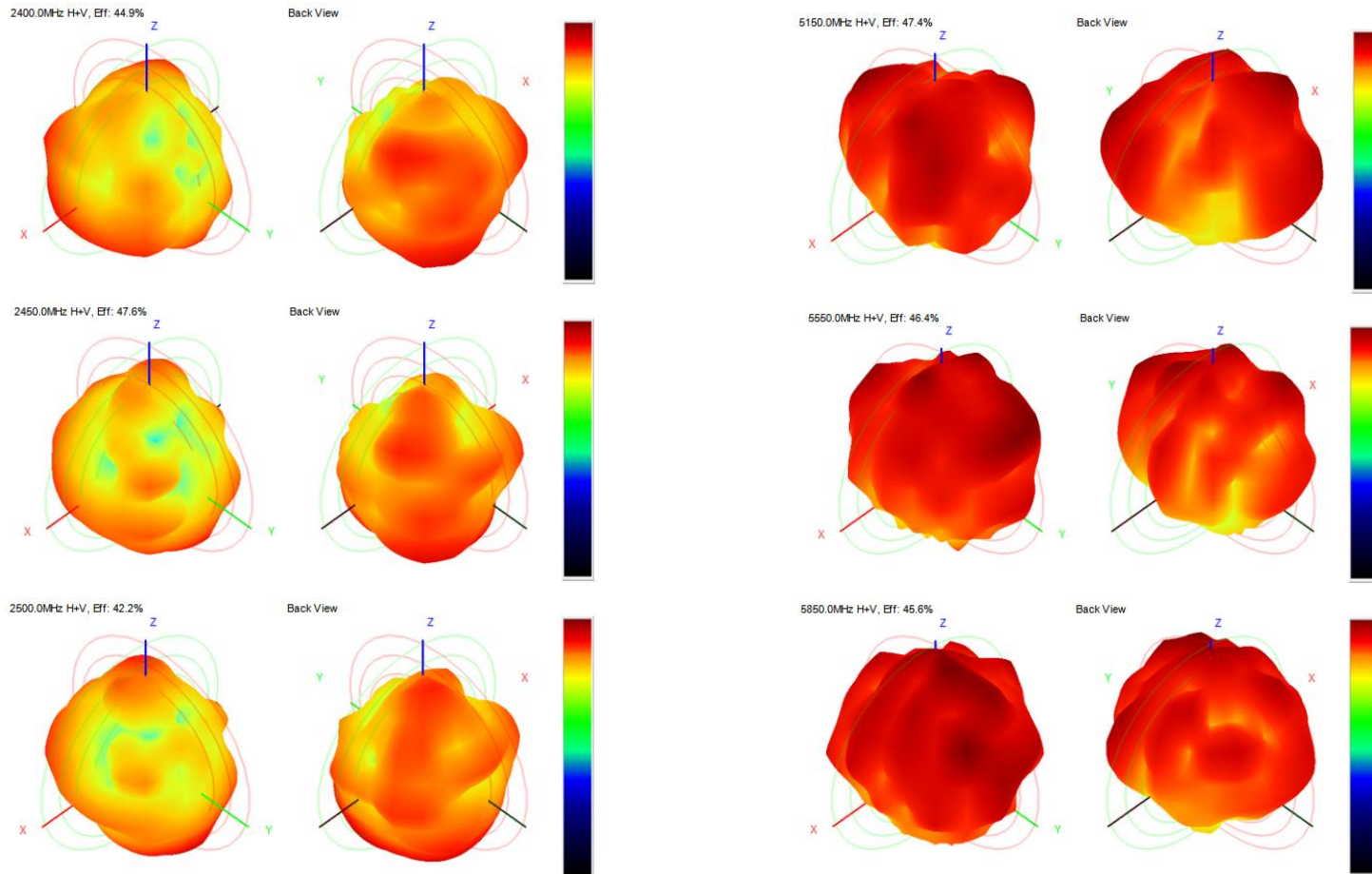
2. Test Result

2.3 WIFI MAIN Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.38	2.54	44.86
2410.0	-2.10	2.49	45.66
2420.0	-1.80	2.53	46.03
2430.0	-1.78	2.17	46.33
2440.0	-1.83	2.79	45.65
2450.0	-1.76	2.51	47.60
2460.0	-1.55	2.70	46.93
2470.0	-2.03	2.20	46.73
2480.0	-2.28	2.12	45.21
2490.0	-2.51	2.12	44.12
2500.0	-2.82	2.13	42.20
5150.0	-1.71	3.89	47.43
5350.0	-1.74	3.25	46.92
5550.0	-1.77	3.31	46.45
5750.0	-2.63	3.87	44.59
5850.0	-1.83	3.89	45.60

2. Test Result

2.3 WIFI MAIN Antenna Gain/Efficiency/3D DATA



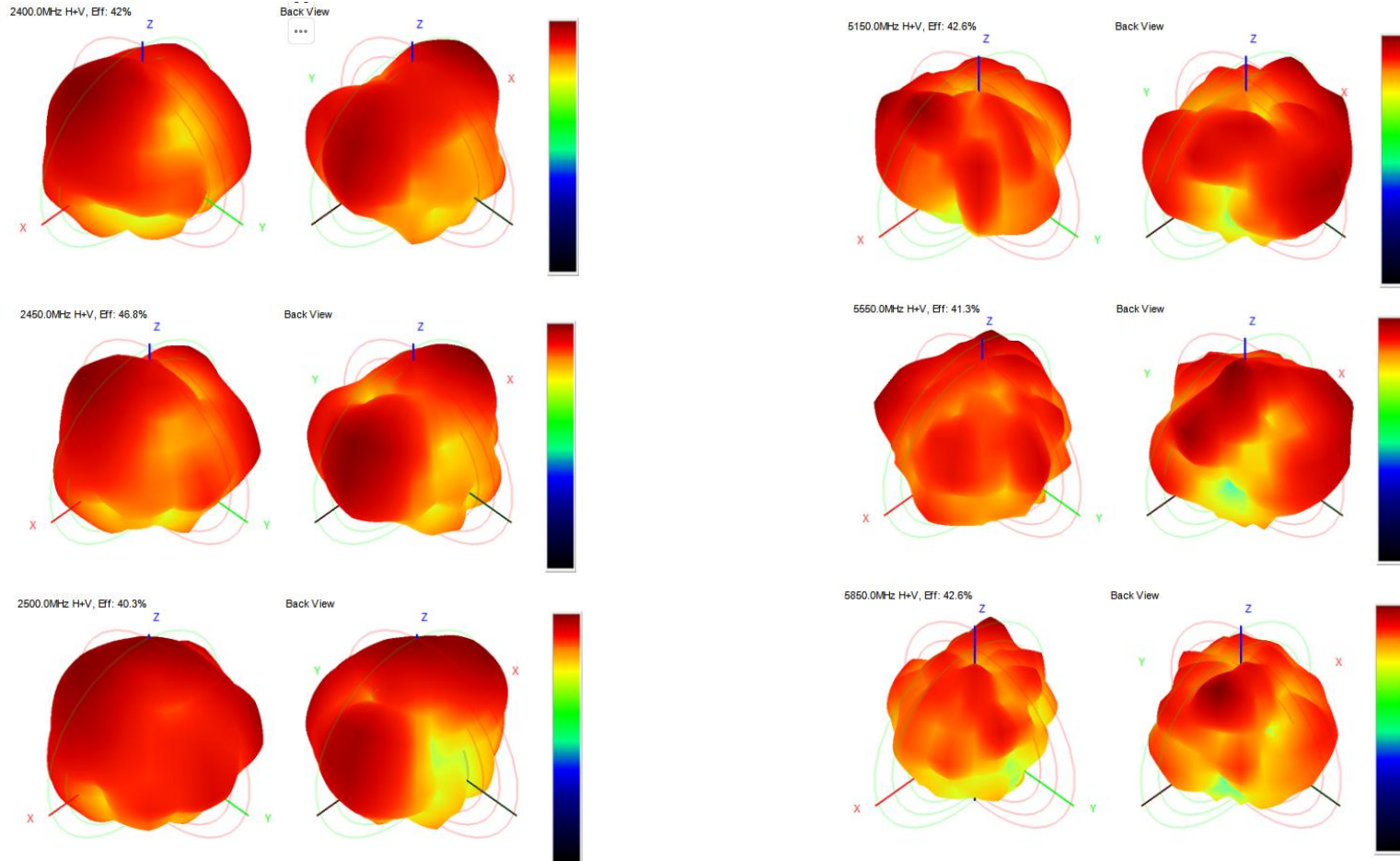
2. Test Result

2.3 WIFI AUX Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.19	2.58	42.02
2410	-3.17	2.11	42.21
2420	-2.91	2.86	44.18
2430	-2.92	2.22	45.03
2440	-2.90	2.71	44.28
2450	-2.94	2.00	46.79
2460	-2.77	2.34	43.85
2470	-2.93	2.44	42.93
2480	-2.98	2.51	42.36
2490	-2.94	2.63	41.82
2500	-2.82	2.03	40.30
5150	-3.71	3.15	42.60
5350	-3.91	3.46	42.67
5550	-3.95	3.95	41.30
5750	-3.85	3.59	41.20
5850	-4.13	3.76	42.60

2. Test Result

2.3 WIFI AUX Antenna Gain/Efficiency/3D DATA



3. Conclusions

谢谢！