

深圳市亿圣邦科技有限公司

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer:迈迪杰

Project: N156ERB01

Product: WIFI

Report date: 2024-11-15

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Purpose

This report is to measure the performance of SLK for Master Antenna on迈迪杰. 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

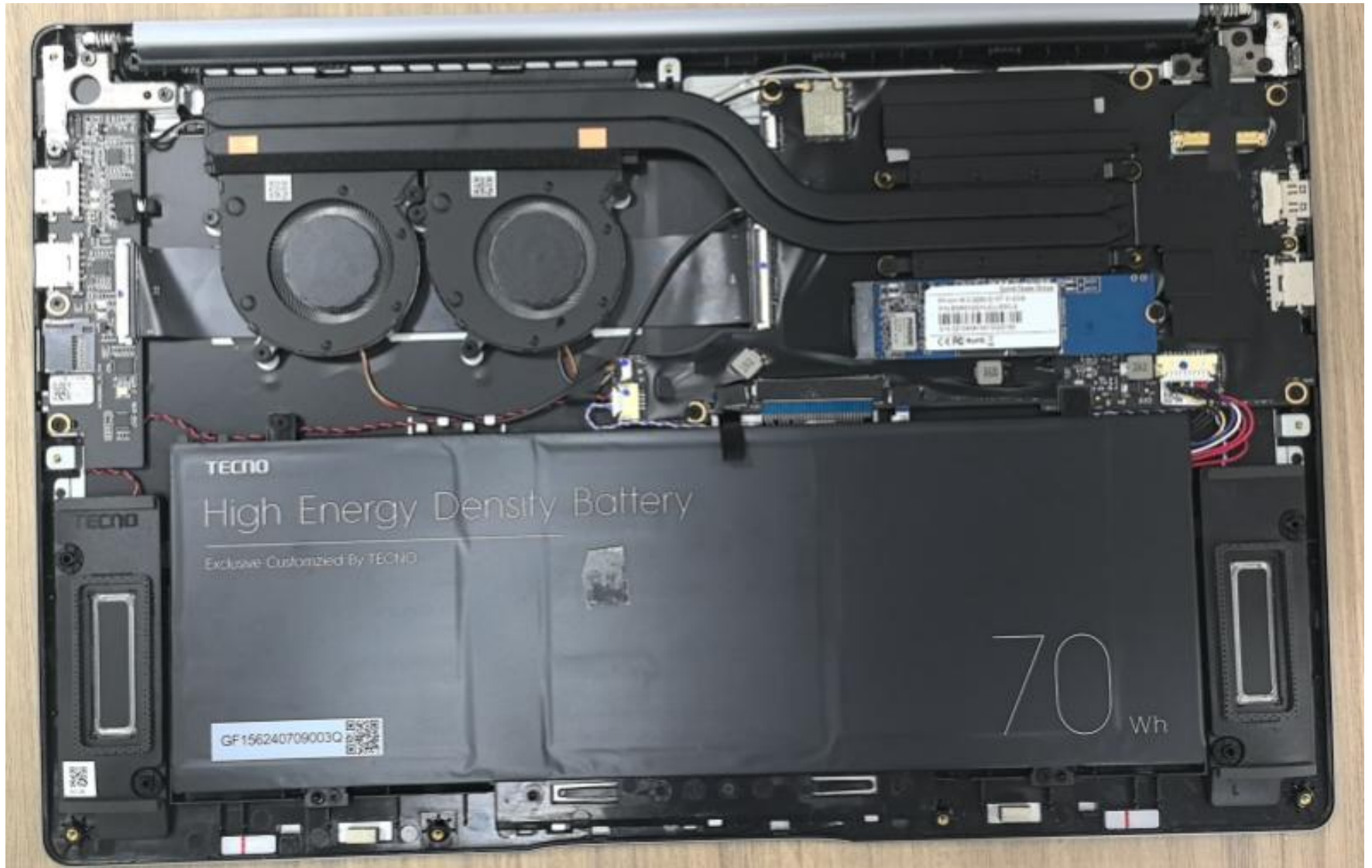
2.4 WIFI AUX Antenna Gain/Efficiency/3D DATA

2.5 WIFI active test

2.6 WIFI throughput test

3. Conclusions

1. Product Overview

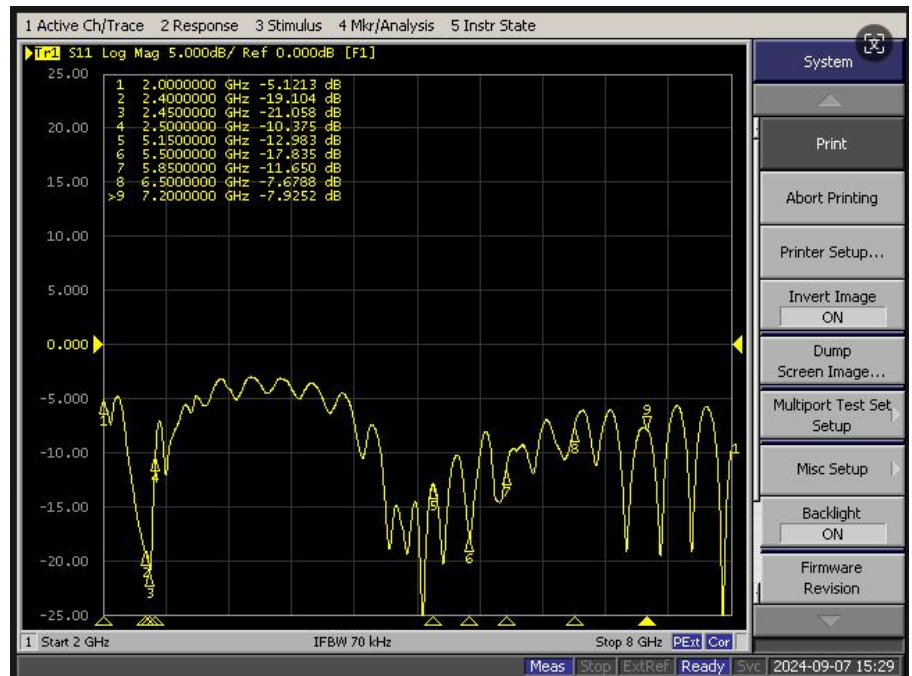
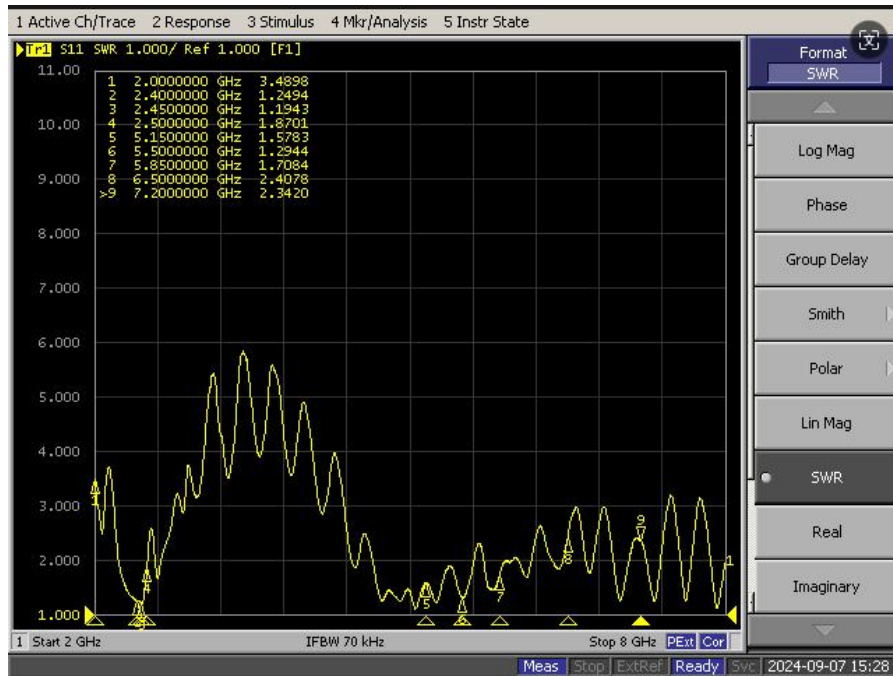


WIFI 主天线

WIFI 分集天线

2. Test Result

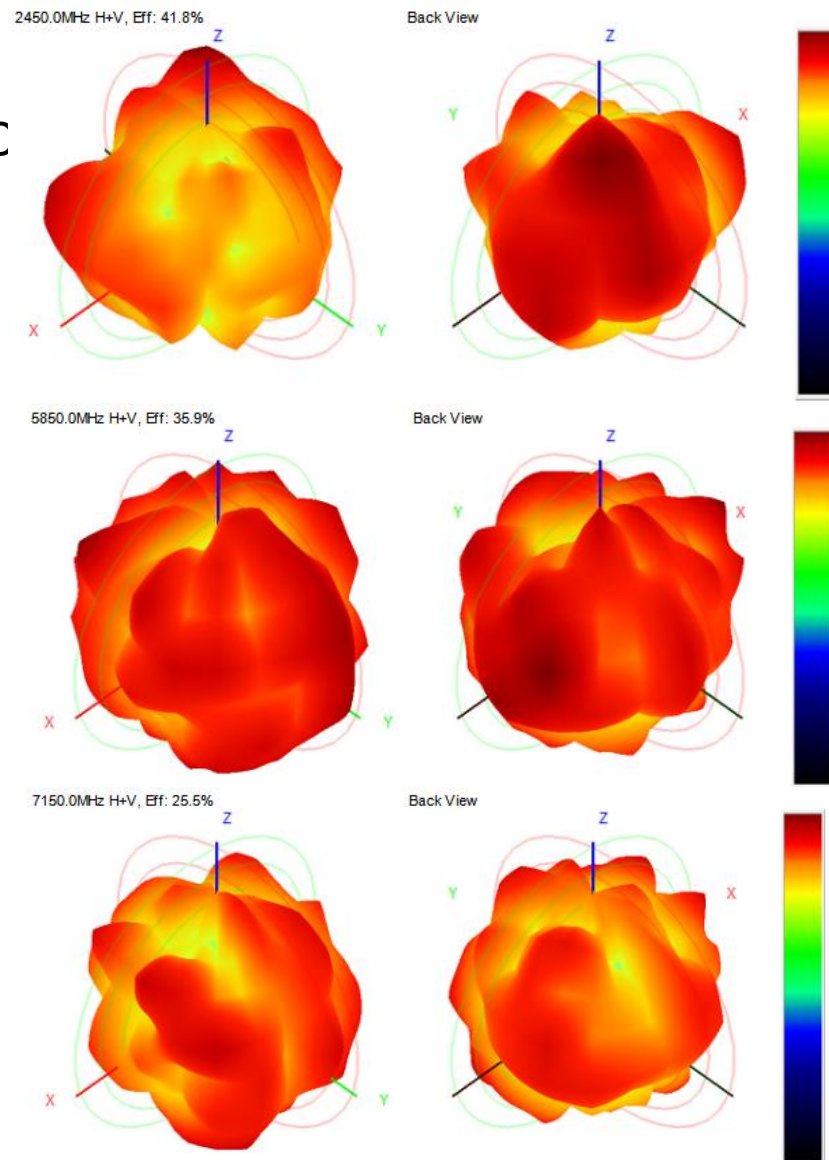
2.1 WIFI MAIN Antenna VSWR



2. Test Result

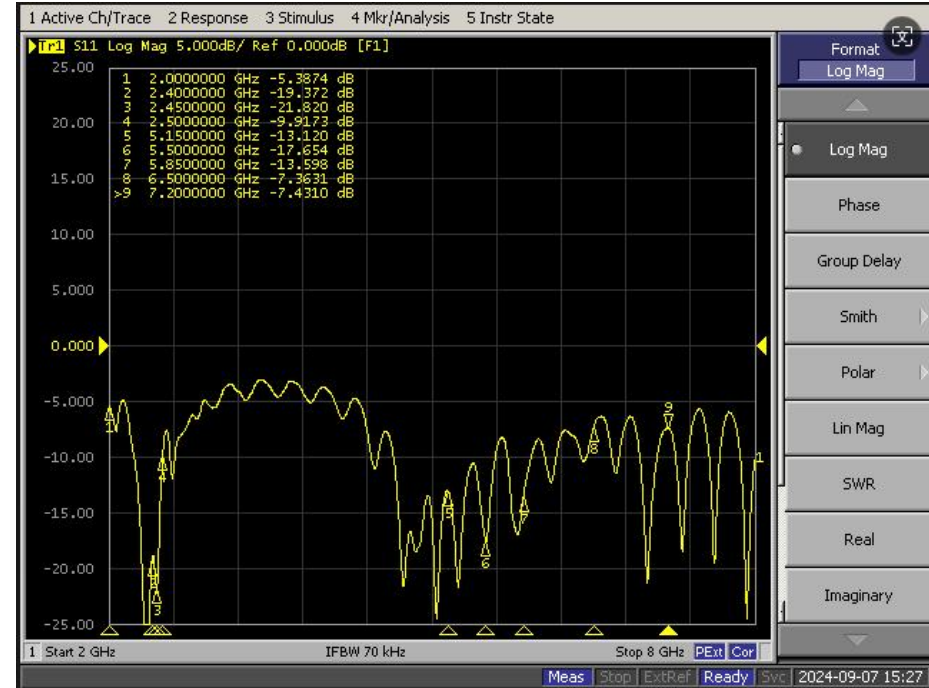
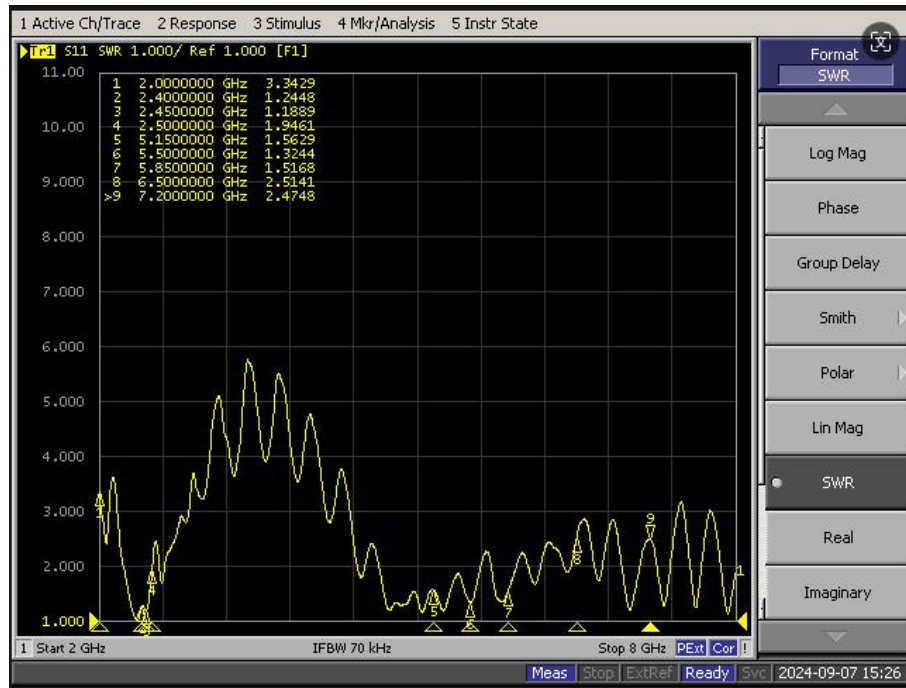
2.2 WIFI MAIN Antenna Gain/Efficiency/3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.49	1.19	44.73
2410	-3.40	1.25	45.67
2420	-3.41	1.16	45.61
2430	-3.44	1.14	45.32
2440	-3.69	1.93	42.77
2450	-3.79	1.74	41.78
2460	-3.80	1.61	41.71
2470	-4.17	1.23	38.27
2480	-4.34	1.71	36.84
2490	-4.52	1.66	35.29
2500	-4.71	1.84	33.79
5150	-3.57	2.26	43.92
5250	-3.86	2.80	41.08
5450	-3.91	2.03	40.64
5850	-4.45	2.34	35.88
6250	-5.03	2.58	31.38
6750	-5.31	2.81	29.45
7150	-5.93	2.23	25.51



2. Test Result

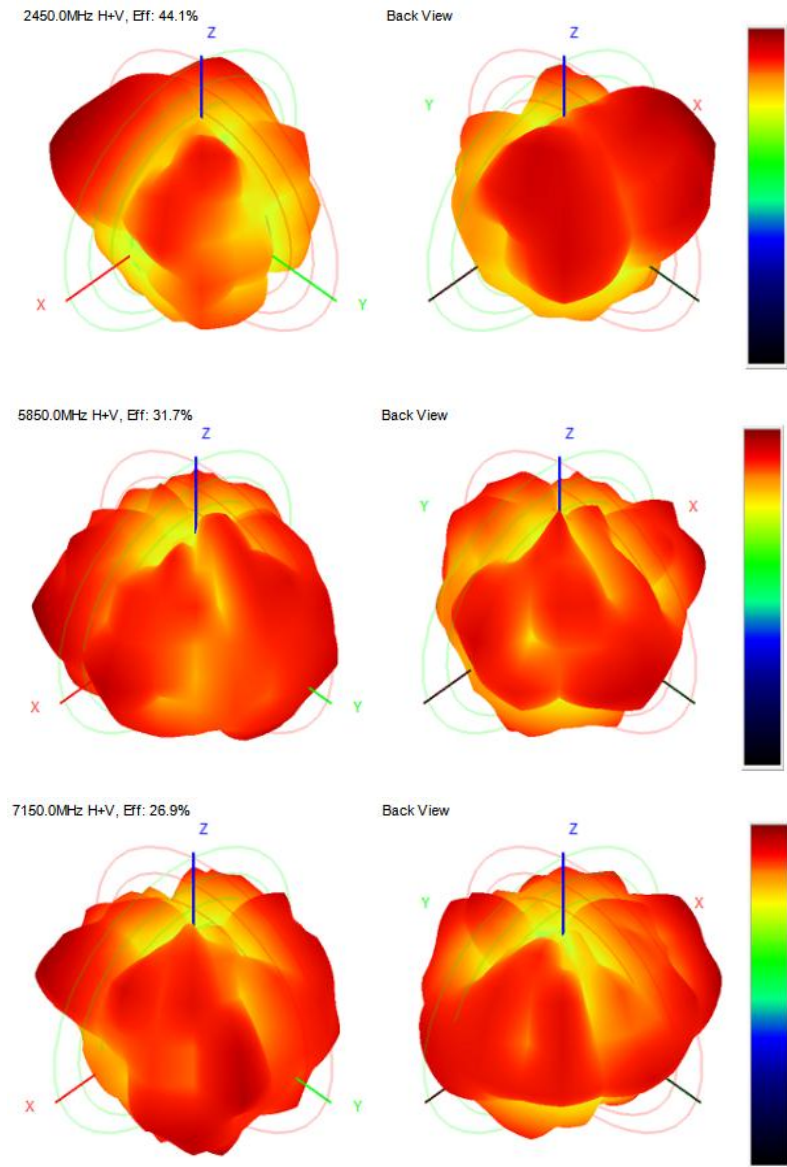
2.3 WIFI AUX Antenna VSWR



2. Test Result

2.4 WIFI AUX Antenna Gain/Efficiency/3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.99	1.43	39.90
2410	-3.77	1.57	41.99
2420	-3.70	1.49	42.68
2430	-3.56	1.34	44.06
2440	-3.64	1.07	43.21
2450	-3.55	1.94	44.11
2460	-3.44	1.64	45.26
2470	-3.80	1.40	41.64
2480	-4.06	1.27	39.29
2490	-4.42	1.97	36.13
2500	-4.94	1.62	32.04
5150	-4.82	2.25	32.95
5250	-4.72	2.79	33.72
5450	-5.39	2.36	28.92
5850	-4.99	2.62	31.72
6250	-5.00	2.62	31.61
6750	-5.59	2.58	27.60
7150	-5.71	2.48	26.88



2. Test Result

2.5 WIFI active test

WIFI有源测试								
频段	1	6	11					
B-TRP-11Mbps	13.34	13.33	12.37					
B-TIS-11Mbps	-85.43	-84.92	-82.15					
G-TRP-54Mbps	13.52	15.44	14.66					
G-TIS-54Mbps	-71.69	-70.65	-71.78					
N-TRP-MCS7	10.79	13.60	11.87					
N-TIS-MCS7	-68.85	-68.36	-68.75					
频段	36	52	100	120	140	149	157	165
A-TRP-54Mbps	12.44	13.60	12.90	12.84	12.37	13.66	13.10	12.90
A-TIS-54Mbps	-75.52	-76.21	-75.98	-73.89	-74.33	-71.67	-73.61	-74.24

2. Test Result

2.6 WIFI throughput test

2.4下载	2.4上传	5G下载	5G上传
316M	280M	830M	818M

3. Conclusions

谢谢！