

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: N140RRL01

Product: WIFI

Report date: 2024-09-07

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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.

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1. Product Overview

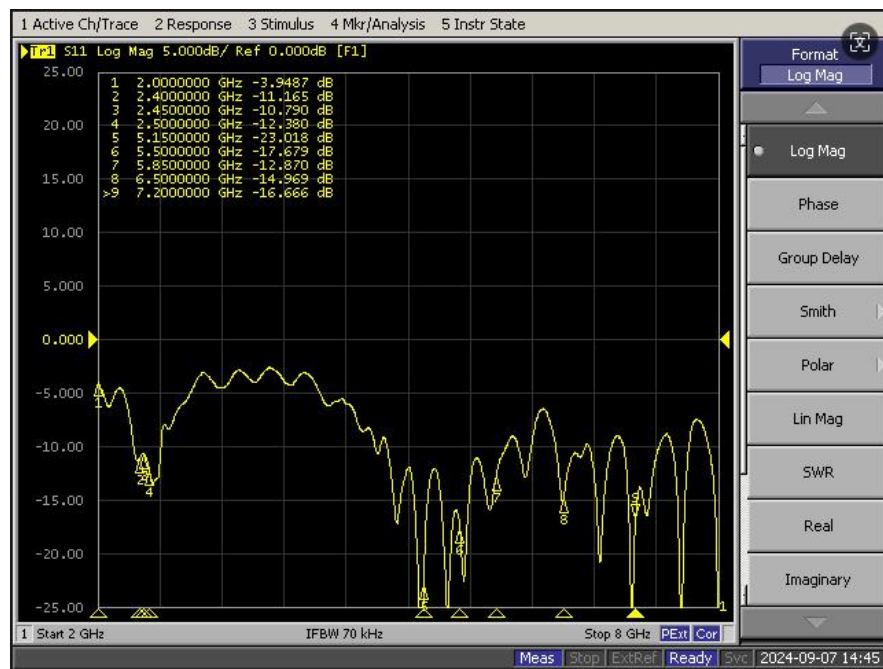
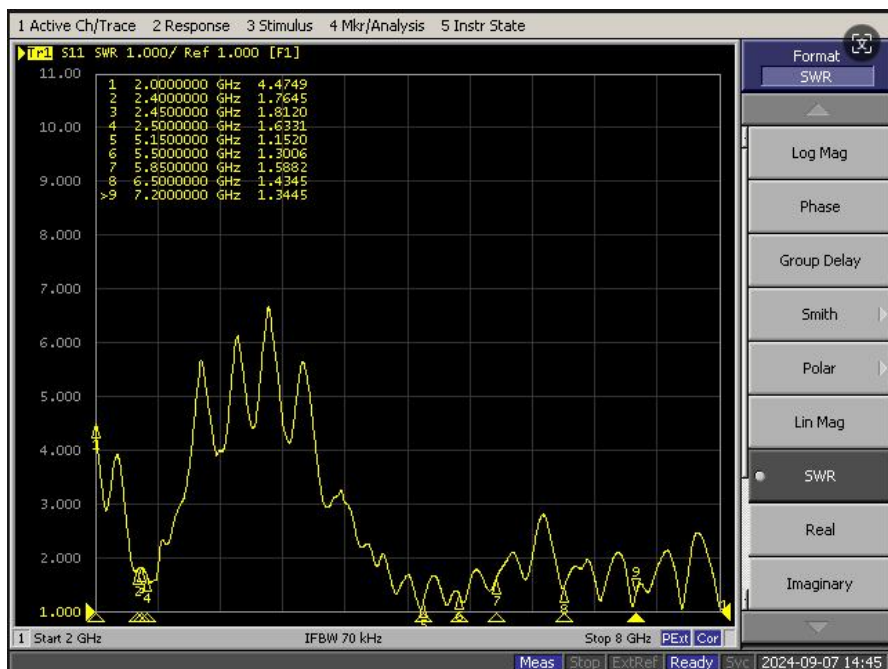


1. Product Overview



2. Test Result

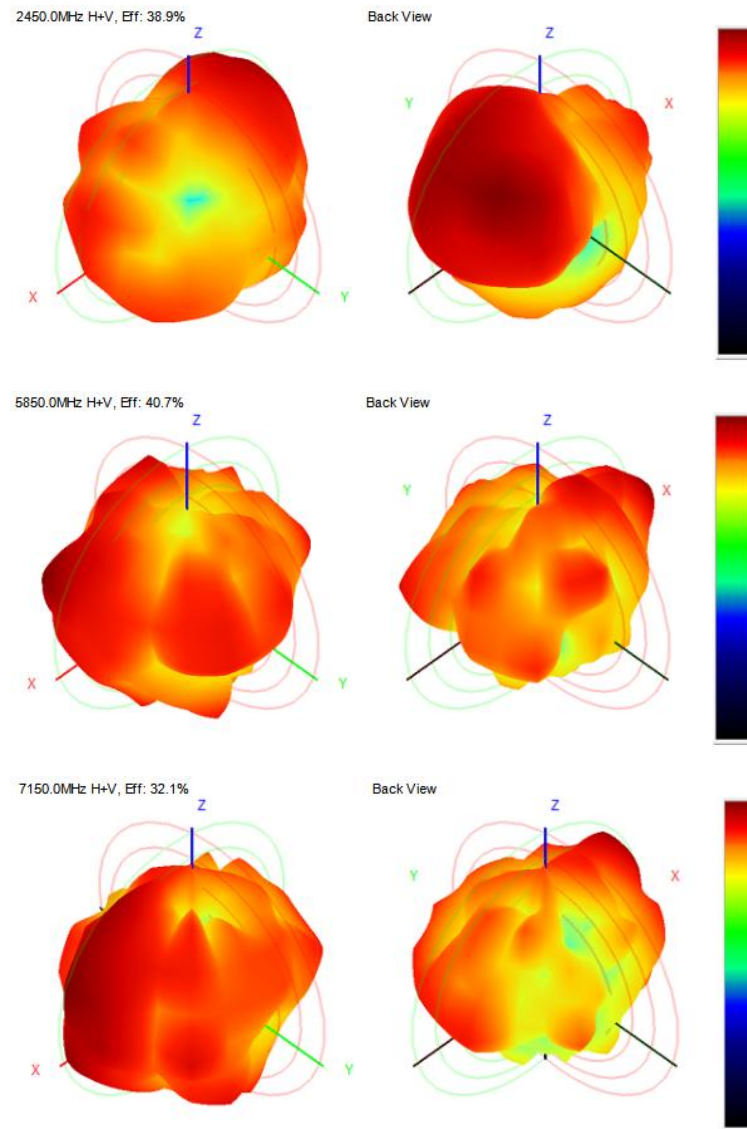
2.1 WIFI MAIN Antenna VSWR



2. Test Result

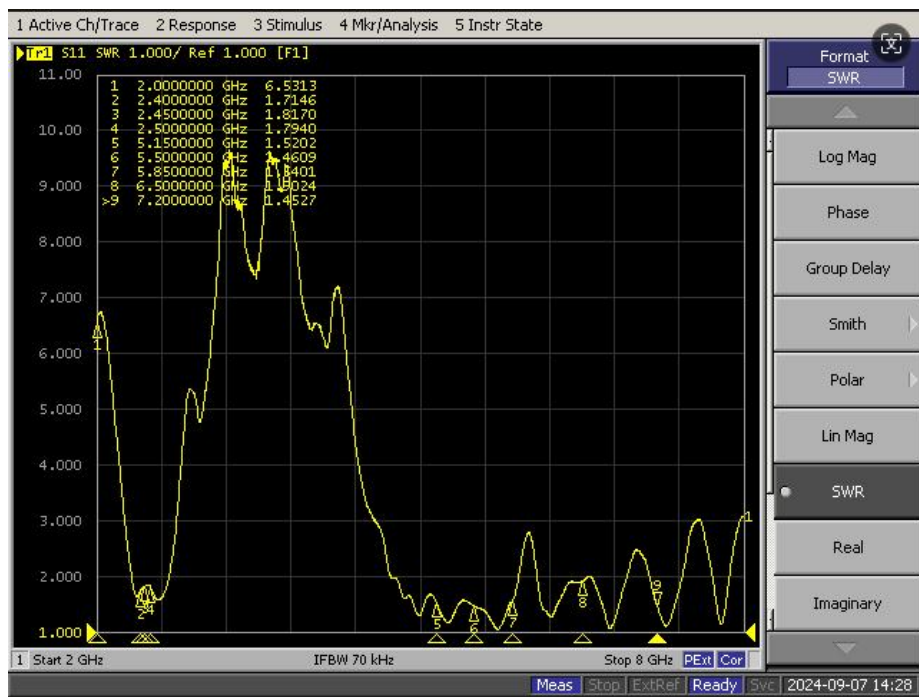
2.2 WIFI MAIN Antenna Gain/Efficiency/3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.02	1.38	39.62
2410	-3.92	1.43	40.55
2420	-4.05	1.67	39.31
2430	-3.99	1.86	39.92
2440	-4.26	1.70	37.52
2450	-4.10	1.01	38.95
2460	-3.75	1.20	42.13
2470	-4.02	1.78	39.65
2480	-3.93	1.61	40.45
2490	-4.05	1.40	39.37
2500	-4.04	1.36	39.45
5150	-4.32	2.69	36.99
5250	-4.02	2.80	39.62
5450	-3.90	2.64	40.71
5850	-3.91	2.94	40.65
6250	-4.84	2.78	32.81
6750	-5.09	2.98	30.98
7150	-4.94	2.82	32.05



2. Test Result

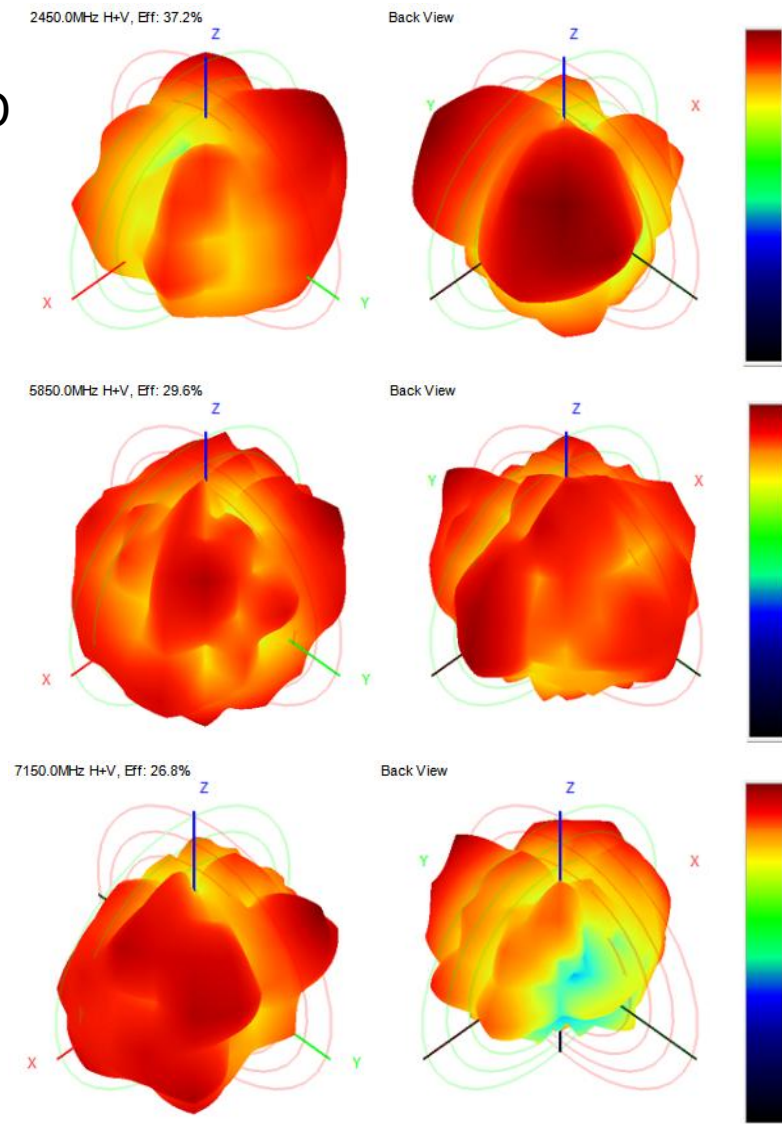
2.3 WIFI AUX Antenna VSWR



2. Test Result

2.4 WIFI AUX Antenna Gain/Efficiency/3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.08	1.33	39.07
2410	-3.99	1.45	39.89
2420	-4.13	1.30	38.64
2430	-4.04	1.31	39.46
2440	-4.34	1.16	36.82
2450	-4.29	1.46	37.24
2460	-4.34	1.55	36.82
2470	-4.38	1.70	36.47
2480	-4.12	1.89	38.76
2490	-4.30	1.62	37.16
2500	-4.39	1.58	36.42
5150	-4.68	2.19	34.02
5250	-5.25	2.28	29.88
5450	-5.36	2.17	29.12
5850	-5.29	2.75	29.59
6250	-5.14	1.96	30.62
6750	-5.67	2.51	27.11
7150	-5.71	2.98	26.85



2. Test Result

2.5 WIFI active test

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	7.99	7.87	8.64
B-TIS-11MBps	-82.64	-82.88	-82.92
G-TRP-54MBps	7.69	7.83	8.26
G-TIS-54MBps	-70.49	-70.33	-70.81
N-TRP-MCS7	7.11	7.95	7.82
N-TIS-MCS7	-65.33	-65.75	-65.31
频段	36	149	165
A-TRP-54MBps	7.69	11.58	11.64
A-TIS-54MBps	-71.33	-71.18	-72.13

2. Test Result

2.6 WIFI throughput test

2.4下载	2.4上传	5G下载	5G上传
313M	299M	839M	813M
	BT上传	BT下载	
	1.38M	1.51M	

3. Conclusions

谢谢！