

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: NUCHP03

Product: WIFI

Report date: 2024-04-09

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迈迪杰. All measure data are showed below.

Content

1. Product Overview

2. Test Result

2.1 WIFI MAIN/AUX Antenna VSWR

2.2 Antenna Parameters

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

2.4 WIFI throughput test

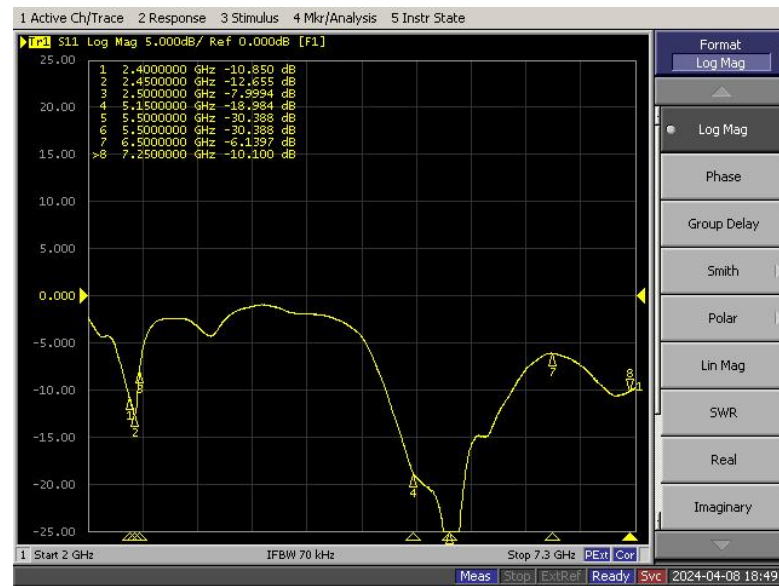
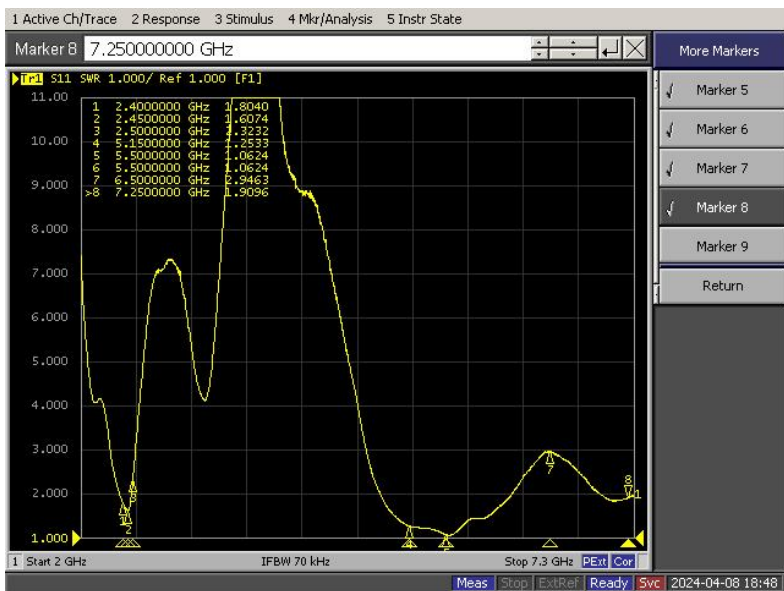
3. Conclusions

1. Product Overview



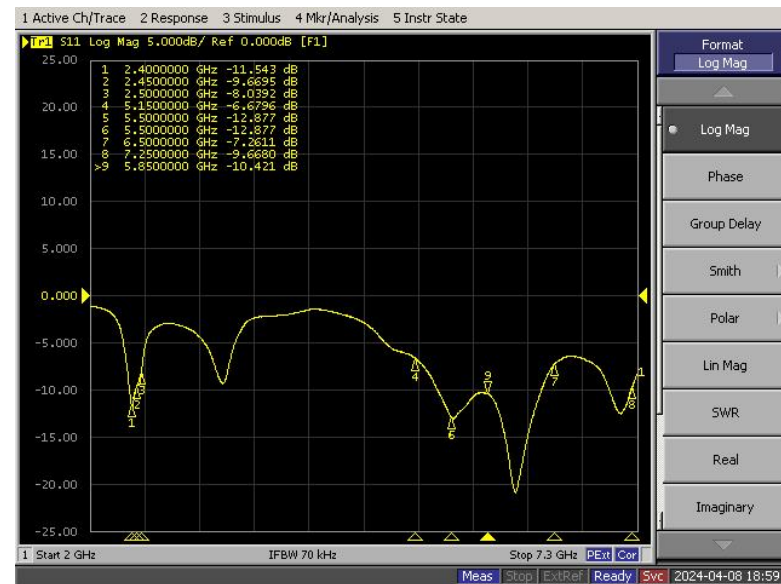
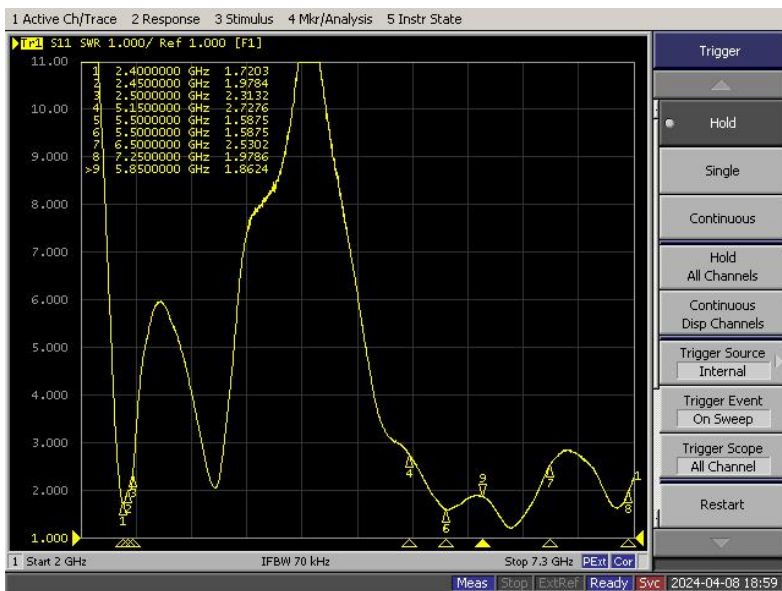
2. Test Result

2.1 WIFI MAIN Antenna VSWR



2. Test Result

2.1 WIFI AUX Antenna VSWR



2. Test Result

2.2 Antenna Parameters



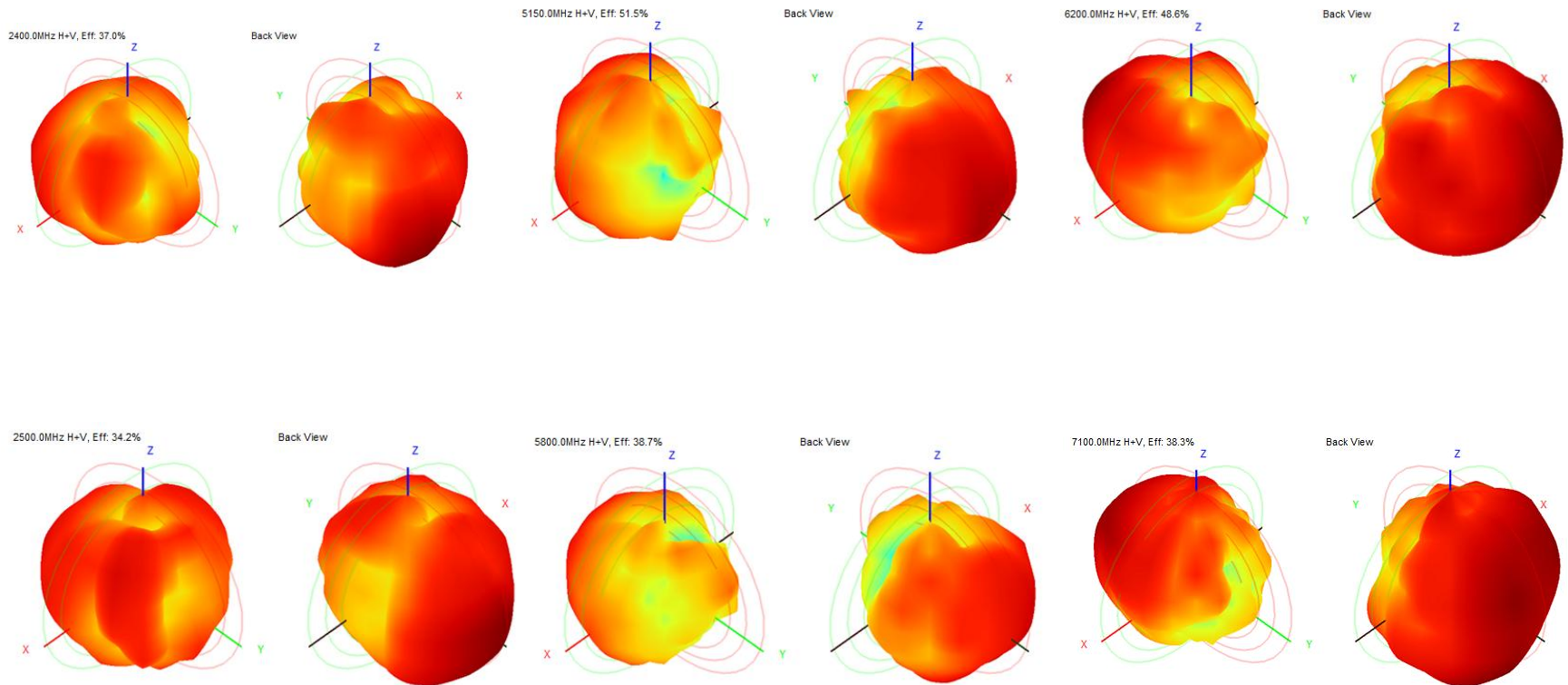
2. Test Result

2.3 WIFI MAIN Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.31	1.87	37.05
2410	-4.50	1.76	35.46
2420	-4.72	1.36	33.68
2430	-4.67	1.29	34.09
2440	-4.42	0.68	36.13
2450	-4.20	1.28	37.94
2460	-4.44	1.12	35.90
2470	-4.56	1.08	34.99
2480	-4.46	1.05	35.80
2490	-4.46	1.25	35.79
2500	-4.66	1.40	34.18
5150	-2.88	4.31	51.50
5200	-2.81	4.07	52.31
5250	-3.05	3.30	49.49
5300	-2.95	3.89	50.69
5350	-3.28	3.73	46.91
5400	-3.05	3.28	49.50
5450	-2.70	3.48	53.59
5500	-2.76	3.15	52.88
5550	-3.07	3.58	49.23
5600	-3.90	3.22	40.65
5650	-3.96	3.44	40.14
5700	-4.29	3.42	37.21
5750	-4.02	3.10	39.63
5800	-4.11	3.83	38.73
5850	-4.19	3.85	38.03
6200	-3.13	2.17	48.63
6500	-4.18	1.51	38.16
6800	-4.14	2.17	38.47
7100	-4.17	1.39	38.27

2. Test Result

2.3 WIFI MAIN Antenna Gain/Efficiency/3D DATA



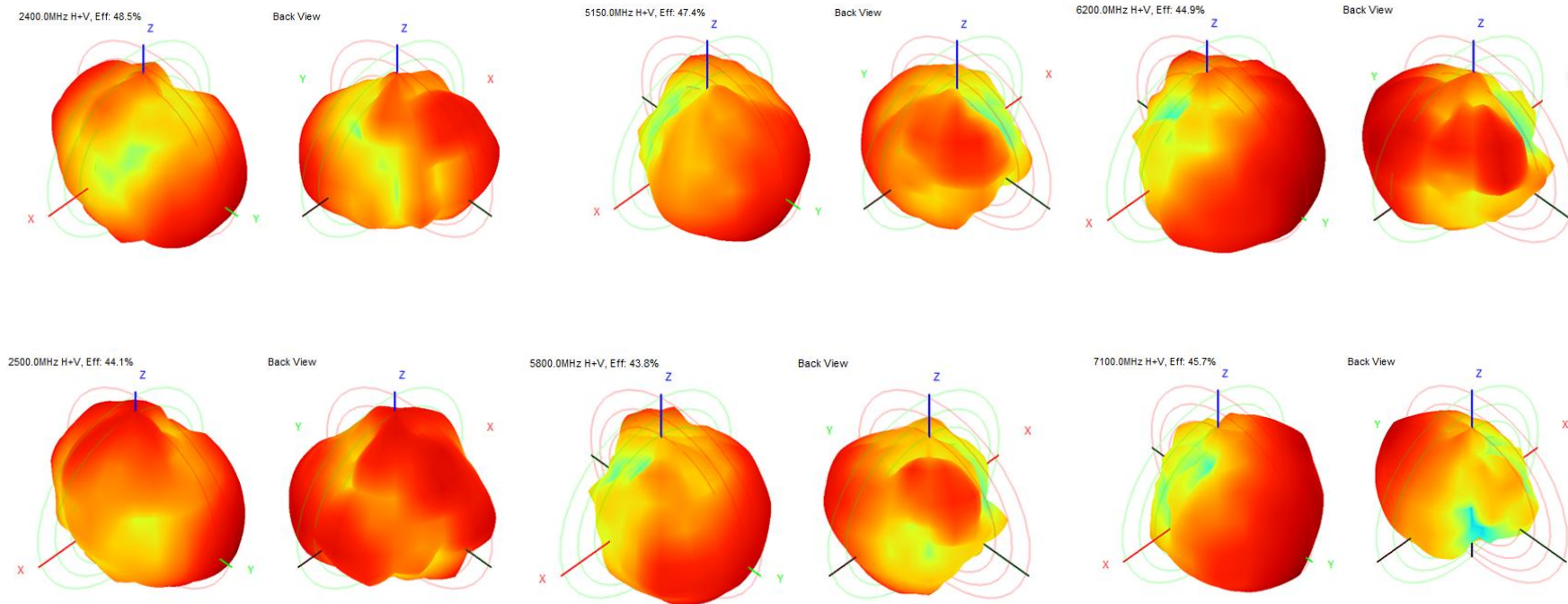
2. Test Result

2.3 WIFI AUX Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.14	3.20	48.45
2410	-2.96	3.61	50.54
2420	-2.74	3.82	53.20
2430	-3.13	3.38	48.54
2440	-3.26	3.27	47.16
2450	-3.32	3.44	46.45
2460	-3.31	3.67	46.58
2470	-2.88	3.26	51.44
2480	-3.09	2.97	49.03
2490	-3.11	3.04	48.78
2500	-3.55	2.67	44.15
5150	-3.23	3.83	47.43
5200	-3.36	3.04	46.09
5250	-3.66	3.43	43.01
5300	-3.49	3.54	44.74
5350	-3.96	3.38	40.09
5400	-3.95	3.08	40.25
5450	-3.51	3.20	44.51
5500	-3.28	3.48	46.93
5550	-3.25	3.83	47.28
5600	-3.65	3.58	43.13
5650	-4.07	3.46	39.15
5700	-3.66	3.83	42.96
5750	-4.07	3.30	39.10
5800	-3.58	3.83	43.83
5850	-3.77	3.50	41.92
6200	-3.48	3.13	44.86
6500	-3.57	3.77	43.89
6800	-3.78	3.26	41.80
7100	-3.39	4.71	45.71

2. Test Result

2.3 WIFI AUX Antenna Gain/Efficiency/3D DATA



2. Test Result

2.4 WIFI throughput test

2.4下载	2.4上传
239M	226M

5G下载	5G上传
891M	843M

2. Test Result

2.4 WIFI throughput test

BT下载	BT上传
1.26M	1.22M

3. Conclusions

谢谢！