

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: NX14C

Product: WIFI

Report date: 2025-09-04

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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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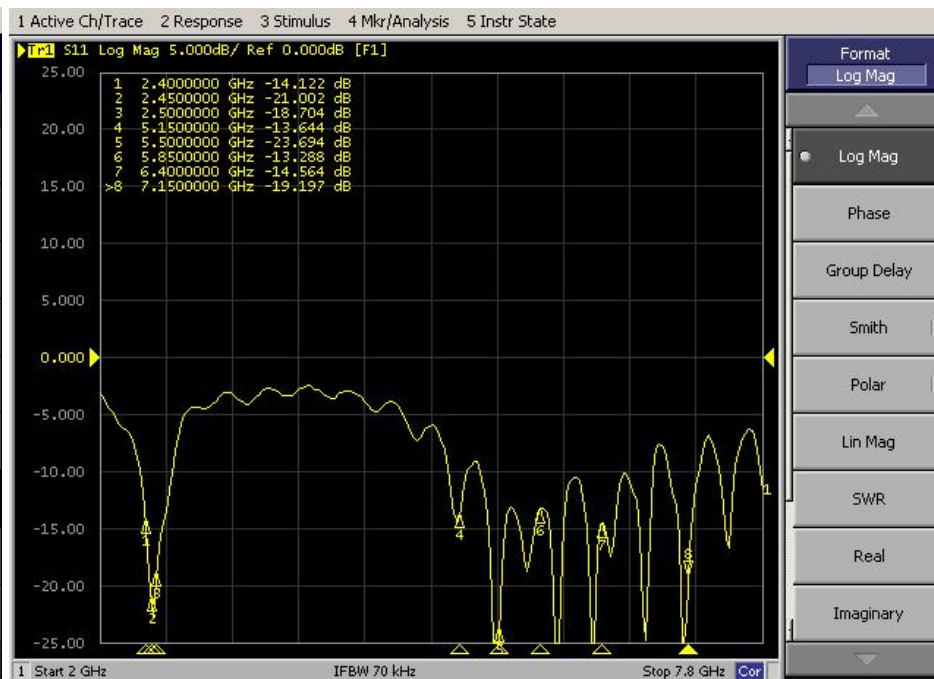
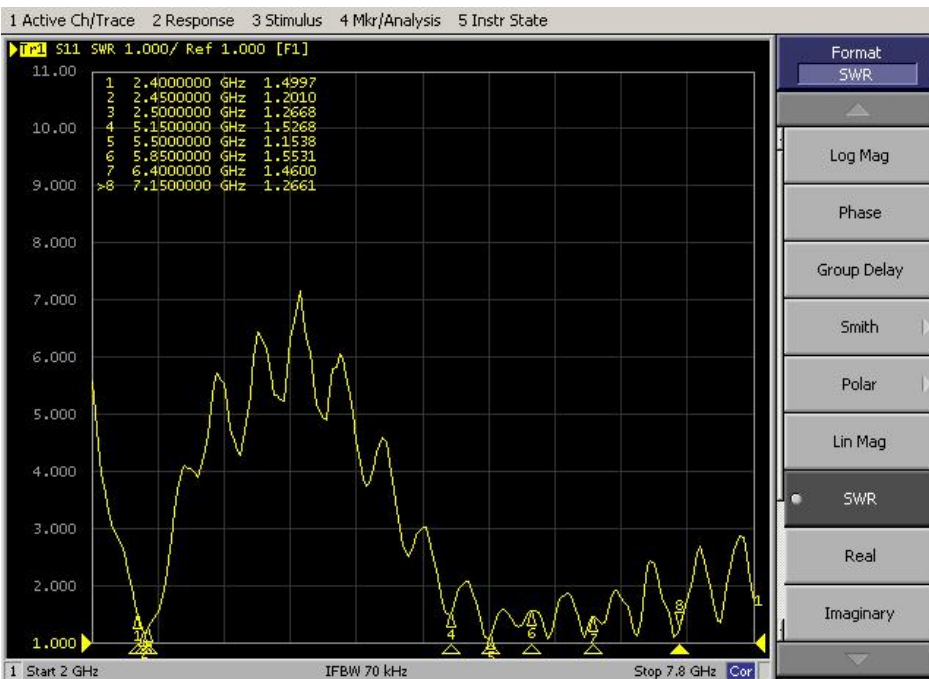
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2. Test Result

2.1 WIFI MAIN Antenna VSWR/S11



2. Test Result

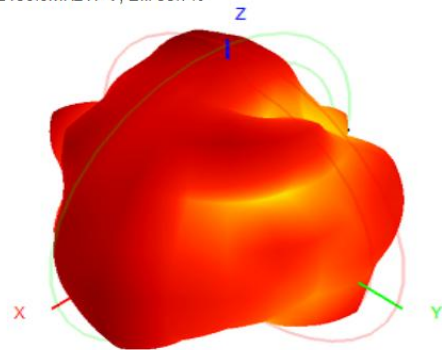
2.2 WIFI MAIN Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-5.07	2.70	31.13	5650	-3.67	3.57	42.95
2410	-4.83	2.83	32.91	5750	-3.51	3.70	44.57
2420	-4.83	2.57	32.89	5850	-3.89	3.54	40.85
2430	-4.55	2.46	35.08	5950	-3.55	4.37	44.17
2440	-4.58	2.27	34.86	6050	-3.24	4.36	47.38
2450	-4.48	2.25	35.68	6150	-3.19	4.38	47.99
2460	-4.57	1.80	34.89	6250	-3.84	4.33	41.31
2470	-4.71	1.72	33.82	6350	-3.43	5.14	45.39
2480	-4.81	1.50	33.01	6450	-3.49	4.71	44.73
2490	-4.97	1.53	31.87	6550	-3.62	5.59	43.41
2500	-5.22	1.62	30.09	6650	-3.72	4.89	42.47
5150	-4.41	3.67	36.24	6750	-3.95	4.19	40.30
5250	-3.27	4.59	47.14	6850	-3.72	4.27	42.43
5350	-3.12	4.96	48.70	6950	-4.67	4.67	34.15
5450	-2.95	3.96	50.70	7050	-6.06	2.84	24.80
5550	-3.52	3.52	44.47	7150	-5.28	3.39	29.66

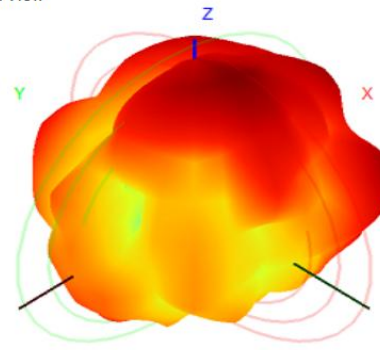
2. Test Result

2.2 WIFI MAIN Antenna Gain/Efficiency/3D DATA

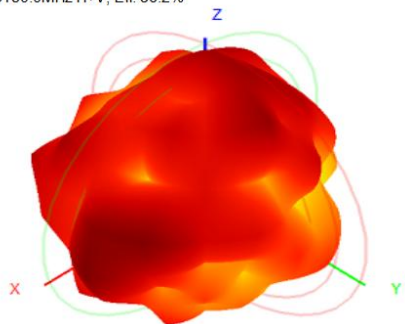
2450.0MHz H+V, Eff. 35.7%



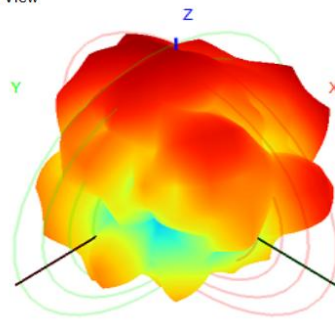
Back View



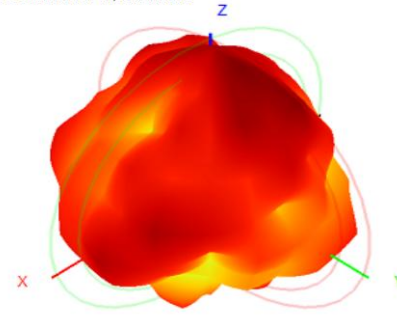
5150.0MHz H+V, Eff. 36.2%



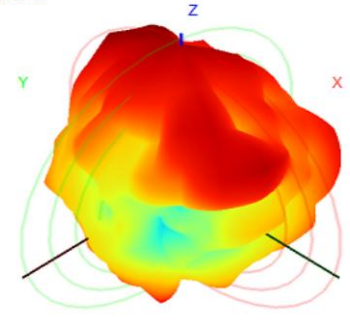
Back View



6450.0MHz H+V, Eff. 44.7%

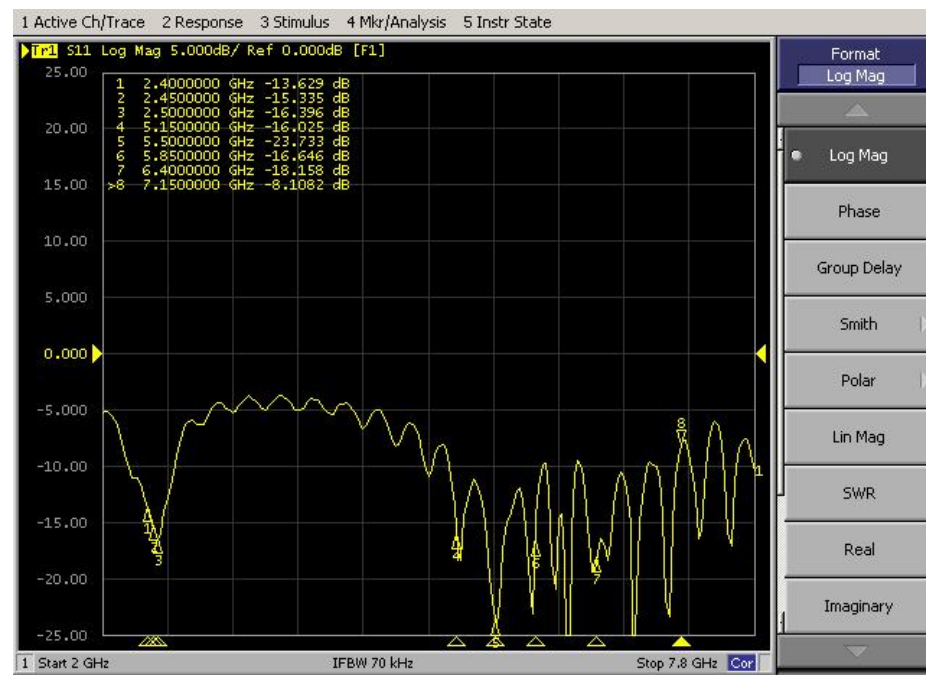
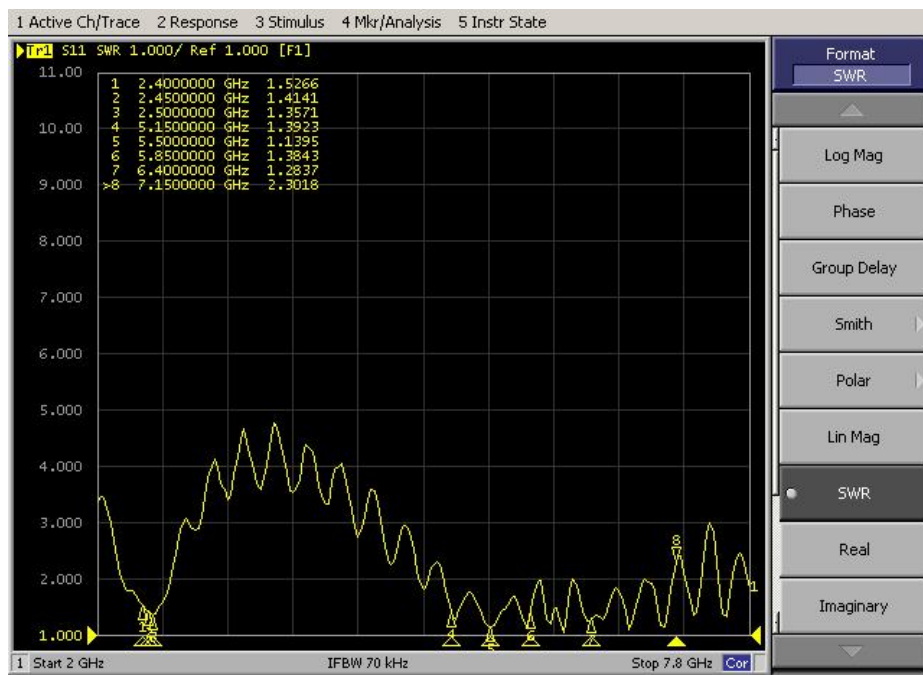


Back View



2. Test Result

2.3 WIFI AUX Antenna VSWR/S11



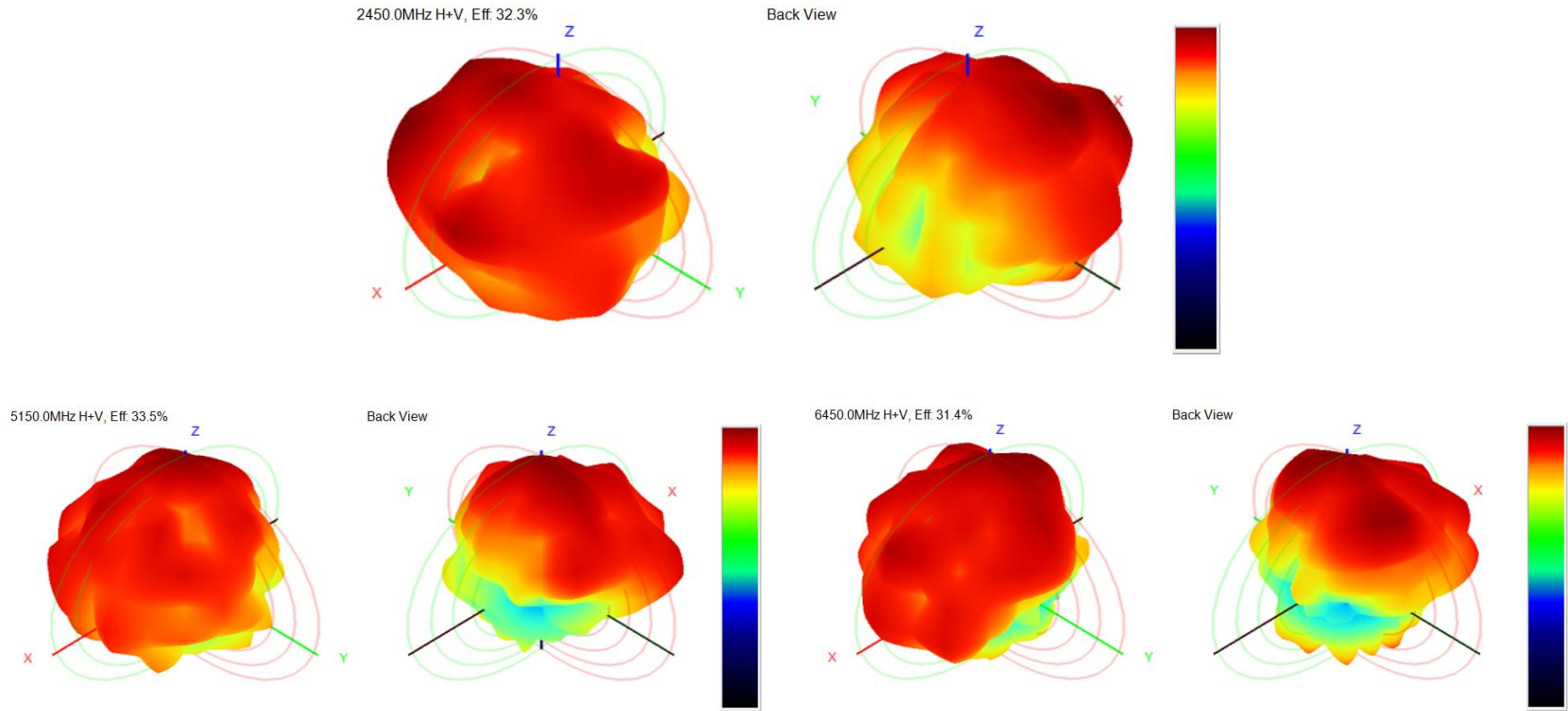
2. Test Result

2.4 WIFI AUX Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-5.80	1.20	26.30	5650	-4.41	2.17	36.18
2410	-5.43	1.22	28.61	5750	-4.02	2.39	39.59
2420	-5.06	1.32	31.19	5850	-4.04	2.76	39.40
2430	-4.85	1.73	32.71	5950	-3.73	2.26	42.36
2440	-4.94	1.78	32.08	6050	-4.66	1.91	34.17
2450	-4.91	1.03	32.27	6150	-4.80	1.89	33.11
2460	-4.92	1.07	32.24	6250	-6.37	2.49	23.09
2470	-5.27	1.69	29.71	6350	-5.74	2.03	26.69
2480	-5.55	1.22	27.86	6450	-5.02	2.11	31.44
2490	-5.85	1.69	26.00	6550	-5.54	1.92	27.90
2500	-6.44	1.29	22.67	6650	-5.77	1.58	26.48
5150	-4.75	1.70	33.50	6750	-5.42	1.34	28.72
5250	-4.13	1.95	38.67	6850	-6.21	1.95	23.95
5350	-3.97	1.74	40.06	6950	-5.76	0.76	26.56
5450	-3.61	1.80	43.58	7050	-5.83	1.46	26.10
5550	-5.11	1.89	30.85	7150	-6.50	1.40	22.37

2. Test Result

2.4 WIFI AUX Antenna Gain/Efficiency/3D DATA



2. Test Result

2.5 WIFI active test

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	4.98	5.03	5.21
B-TIS-11MBps	-75.21	-75.33	-75.01
G-TRP-54MBps	5.84	6.27	6.52
G-TIS-54MBps	-68.01	-68.22	-67.67
N-TRP-MCS7	3.71	3.78	3.60
N-TIS-MCS7	-62.85	-63.54	-61.58
频段	36	149	165
A-TRP-54MBps	8.66	12.88	11.78
A-TIS-54MBps	-69.56	-73.73	-73.46

3. Conclusions

谢谢！