

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: N156ERL01

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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2.1 WIFI MAIN Antenna VSWR

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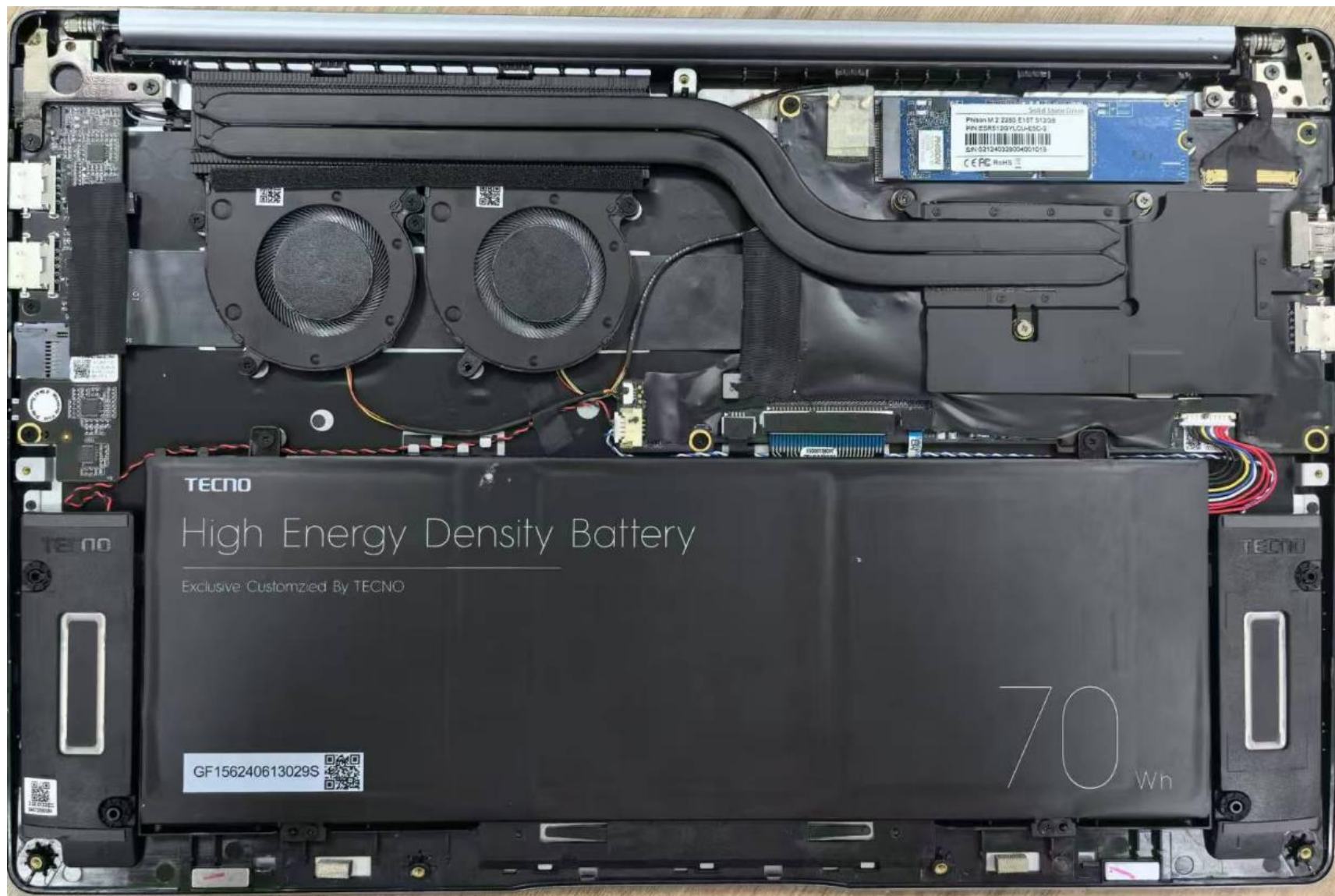
2.4 WIFI AUX Antenna Gain/Efficiency/3D DATA

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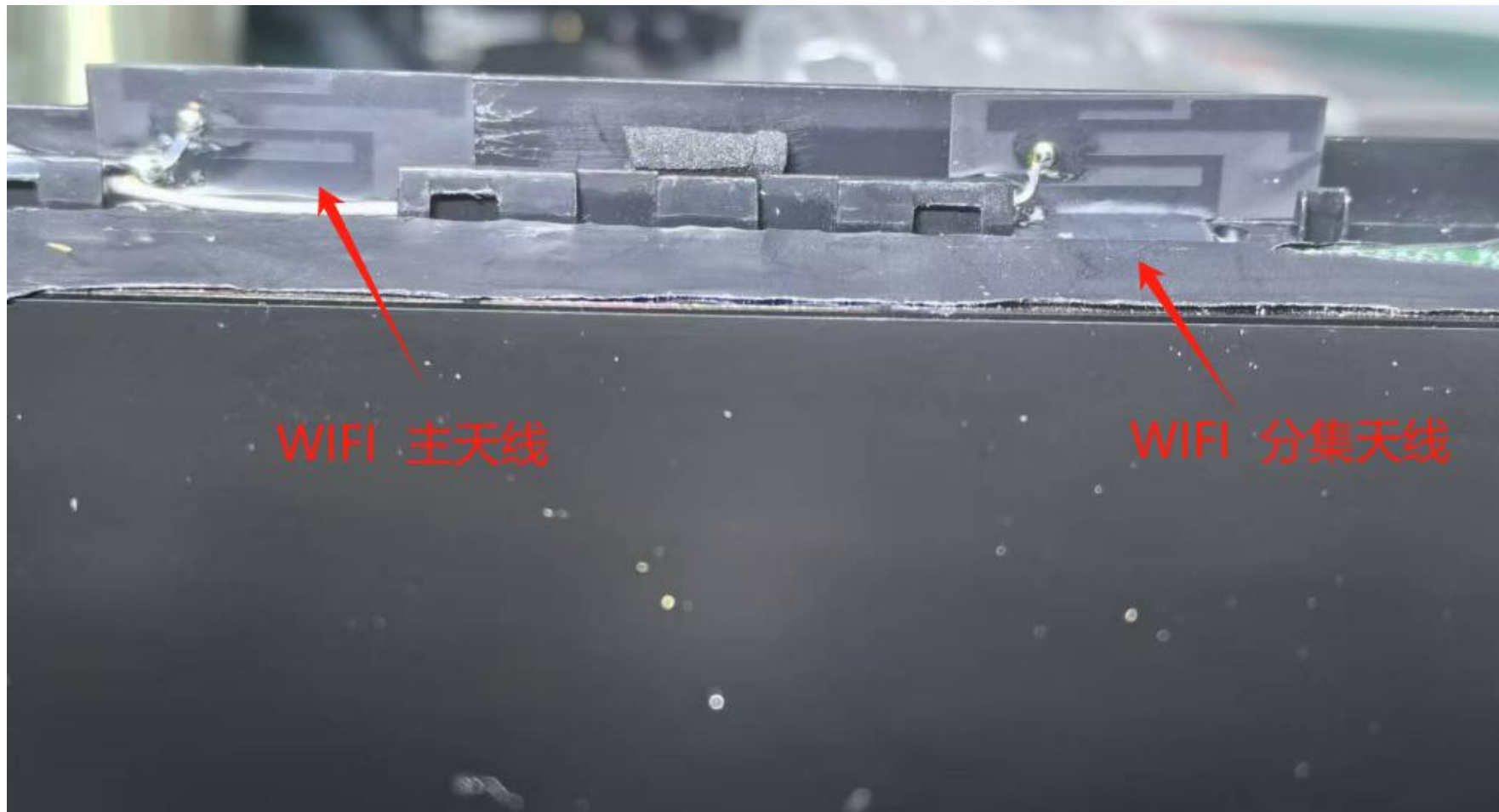
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1. Product Overview

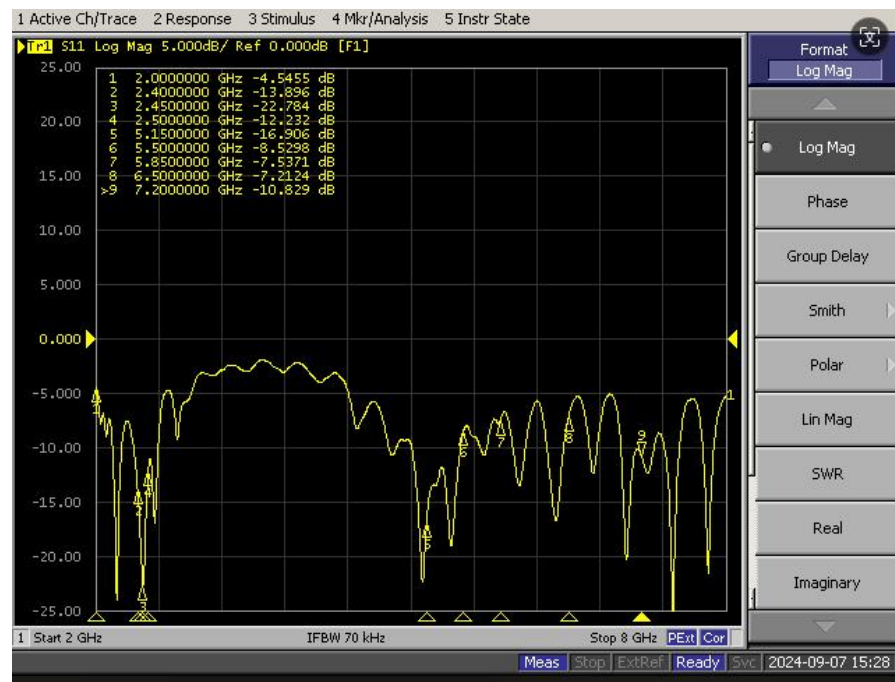
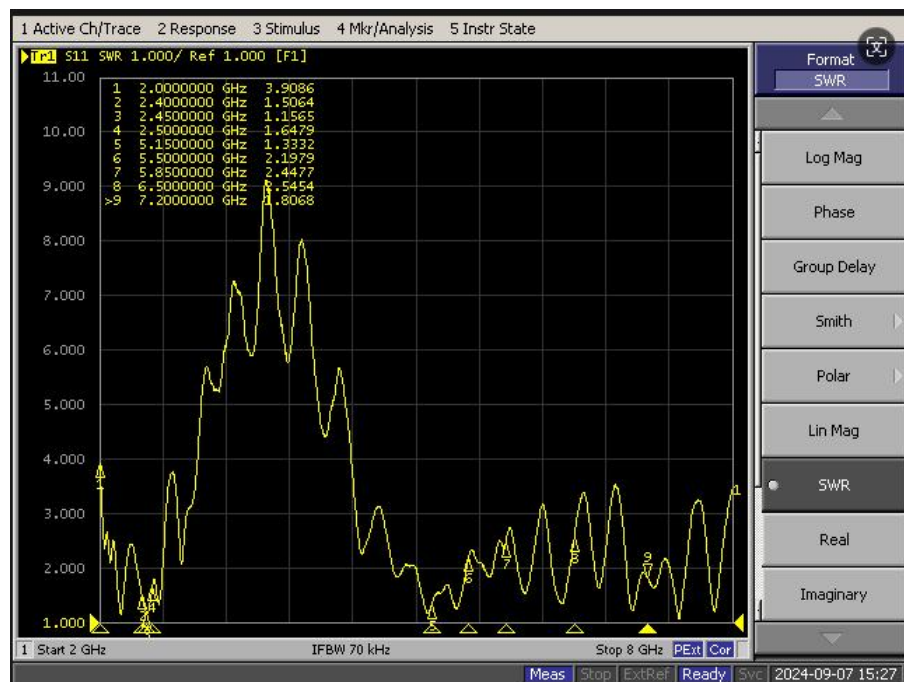


1. Product Overview



2. Test Result

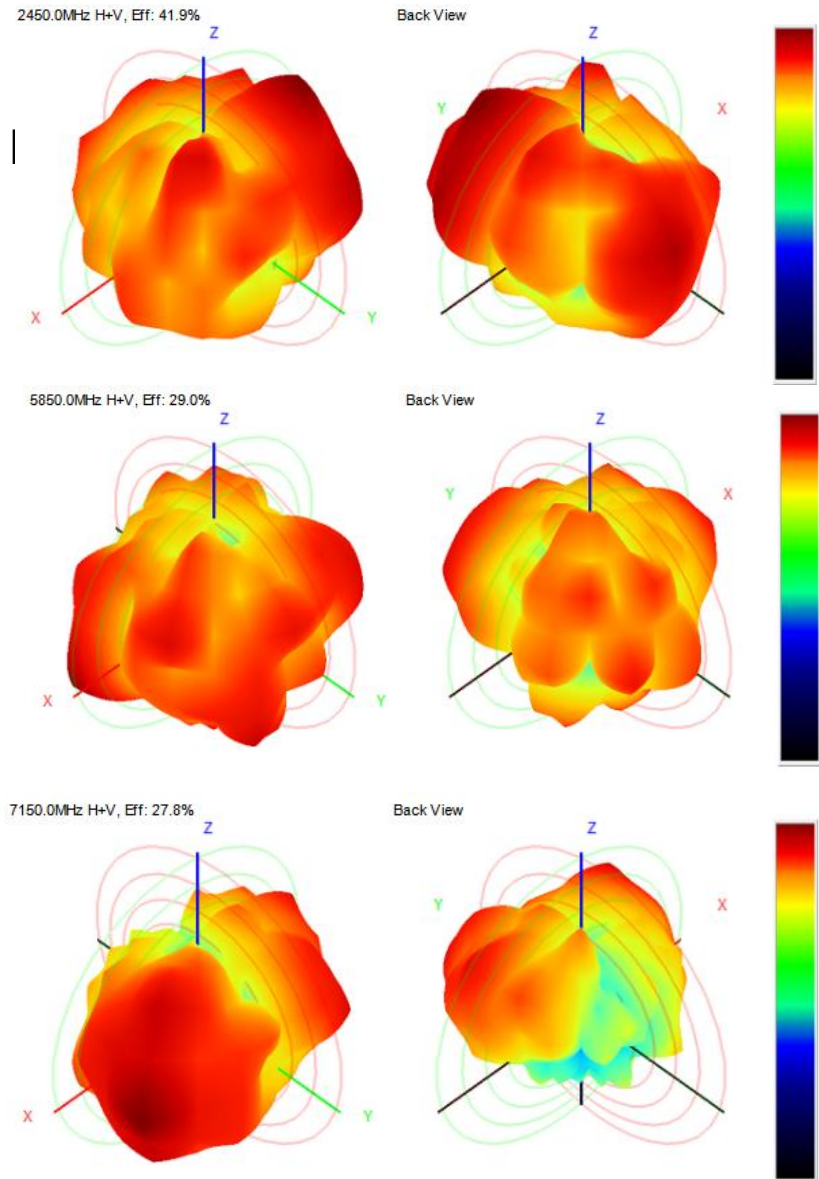
2.1 WIFI MAIN Antenna VSWR



2. Test Result

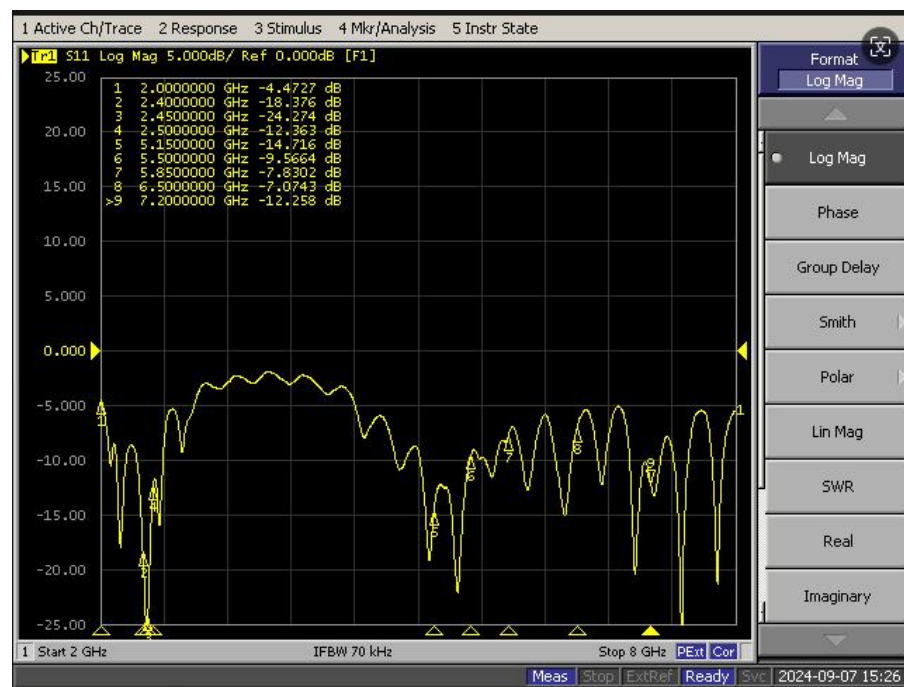
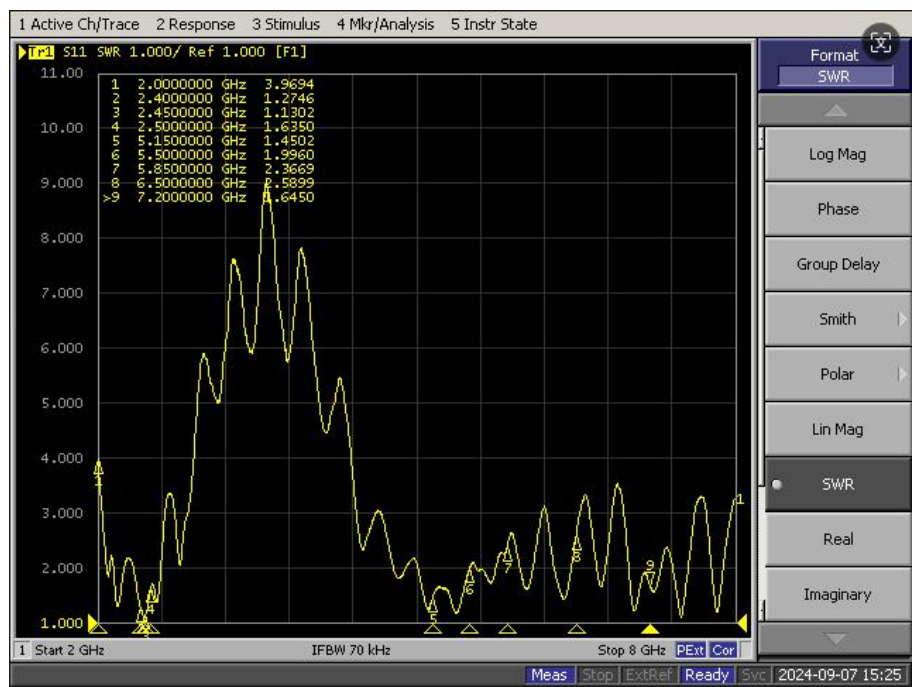
2.2 WIFI MAIN Antenna Gain/Efficiency/3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-3.49	1.64	44.76
2410	-3.38	1.52	45.91
2420	-3.37	1.38	46.04
2430	-3.42	1.37	45.52
2440	-3.68	1.38	42.81
2450	-3.78	1.47	41.91
2460	-3.76	1.60	42.07
2470	-4.13	1.46	38.61
2480	-4.32	1.09	36.99
2490	-4.54	1.58	35.17
2500	-4.73	1.78	33.62
5150	-3.54	2.36	44.22
5250	-3.91	2.14	40.62
5450	-3.91	2.65	40.64
5850	-5.38	2.86	29.00
6250	-5.31	2.71	29.42
6750	-5.51	2.92	28.15
7150	-5.56	2.32	27.82



2. Test Result

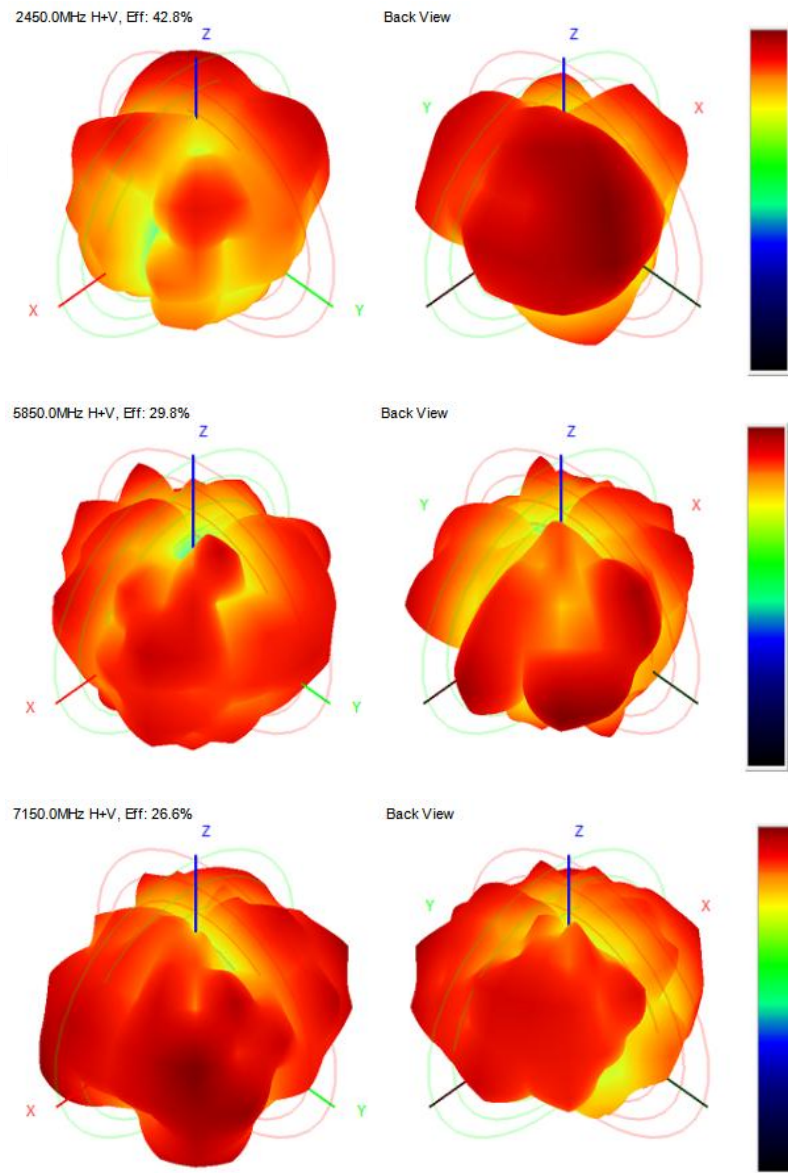
2.3 WIFI AUX Antenna VSWR



2. Test Result

2.4 WIFI AUX Antenna Gain/Efficiency/3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.00	1.04	39.77
2410	-3.79	1.21	41.75
2420	-3.73	1.11	42.32
2430	-3.62	1.88	43.45
2440	-3.75	1.44	42.18
2450	-3.68	1.35	42.81
2460	-3.57	1.49	43.96
2470	-3.89	1.29	40.79
2480	-4.08	1.07	39.05
2490	-4.39	1.75	36.35
2500	-4.87	1.38	32.55
5150	-4.96	2.12	31.95
5250	-4.90	2.00	32.39
5450	-5.22	2.24	30.03
5850	-5.26	2.02	29.79
6250	-5.29	2.08	29.59
6750	-5.64	2.07	27.26
7150	-5.76	2.40	26.57



2. Test Result

2.5 WIFI active test

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	7.51	8.05	7.40
B-TIS-11MBps	-81.15	-81.22	-81.75
G-TRP-54MBps	7.22	7.64	7.59
G-TIS-54MBps	-71.33	-71.19	-70.46
N-TRP-MCS7	7.55	7.17	7.22
N-TIS-MCS7	-65.55	-66.12	-66.00
频段	36	149	165
A-TRP-54MBps	7.44	12.52	12.73
A-TIS-54MBps	-71.04	-72.35	-71.92

2. Test Result

2.6 WIFI throughput test

2.4下载	2.4上传	5G下载	5G上传
310M	298M	822M	814M
	BT上传	BT下载	
	1.35M	1.49M	

3. Conclusions

谢谢！