

深圳市亿圣邦科技有限公司

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: 亿莱顿

Project: KDS2185

Product: WIFI

Report date: 2026-01-15

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Purpose

This report is to measure the performance of SLK for Master Antenna on亿莱顿. All measure data are showed below.

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2. Test Result

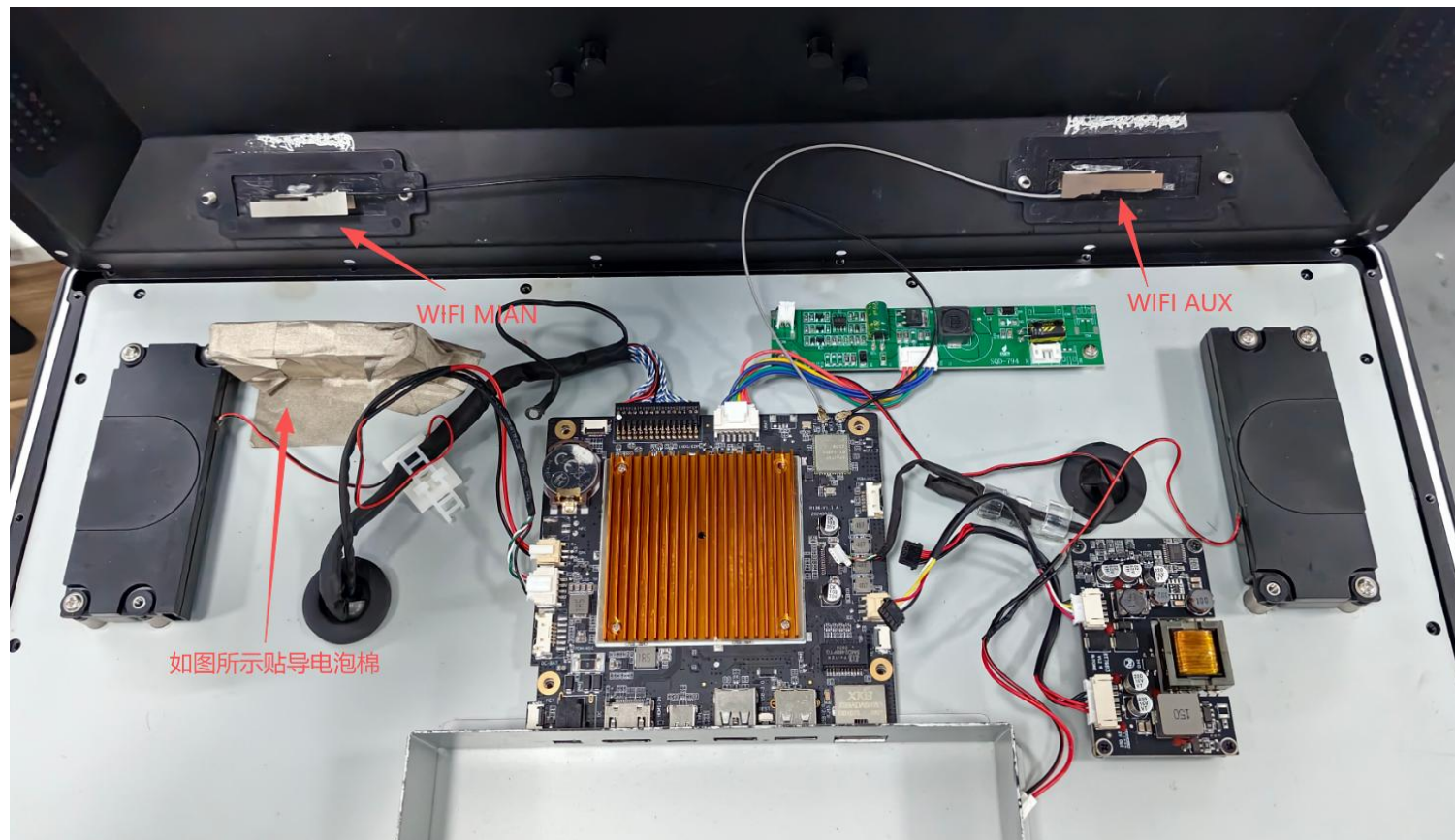
2.1 WIFI MAIN/AUX Antenna VSWR

2.2 WIFI Antenna TRP/TIS

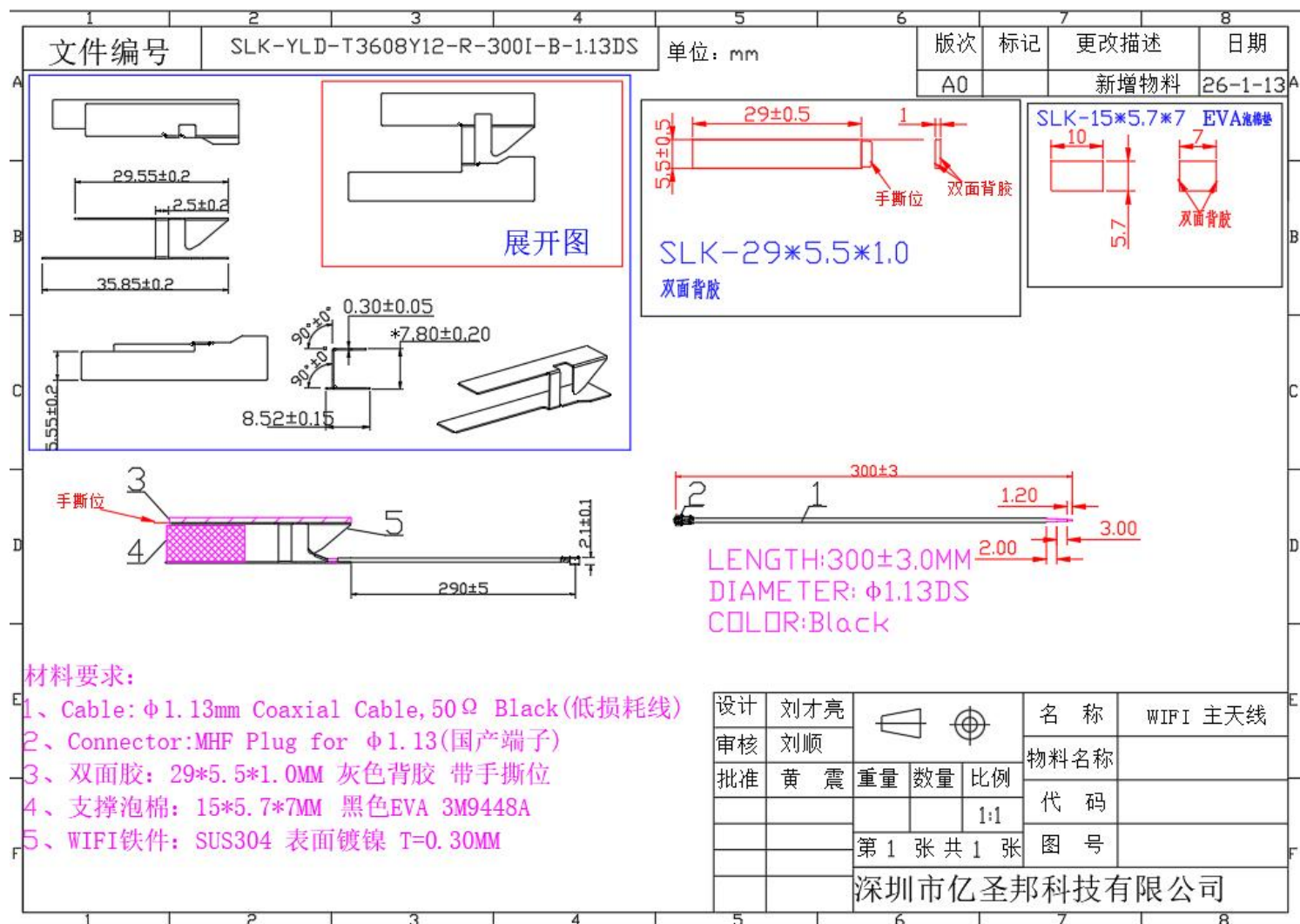
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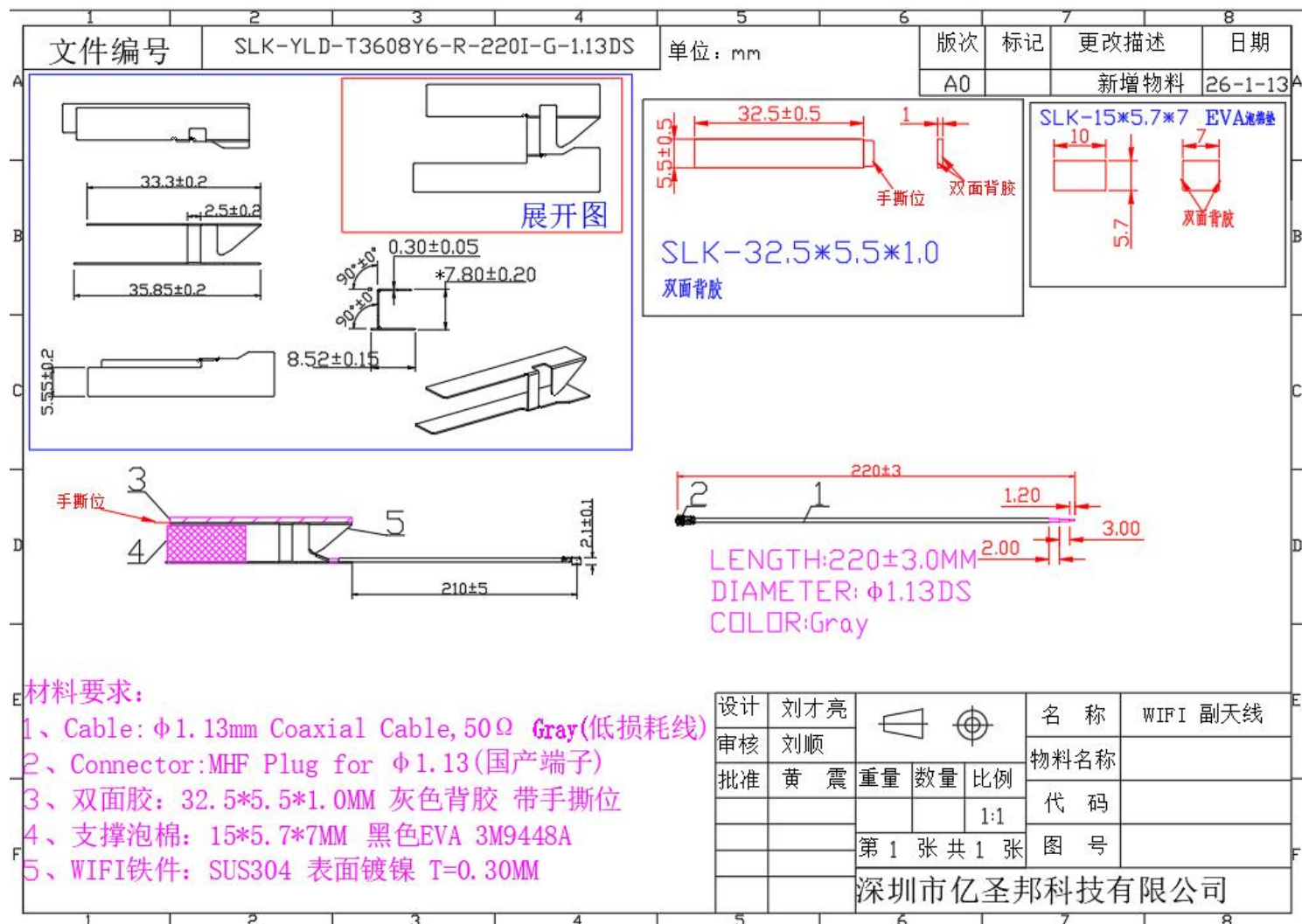
1. Product Overview



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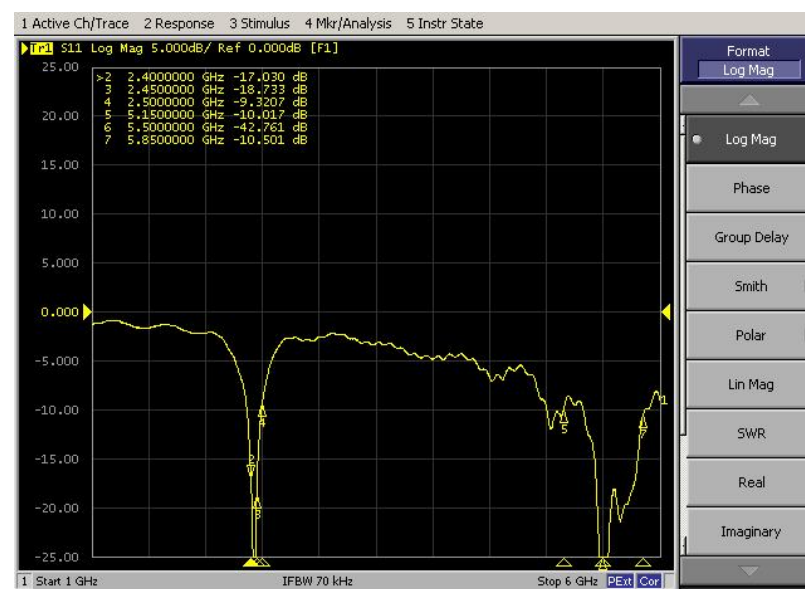
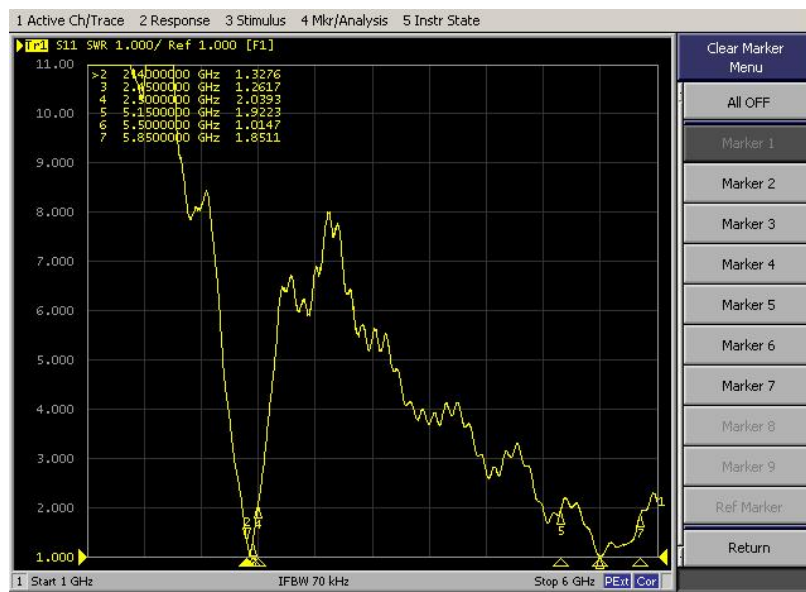


1. Product Overview



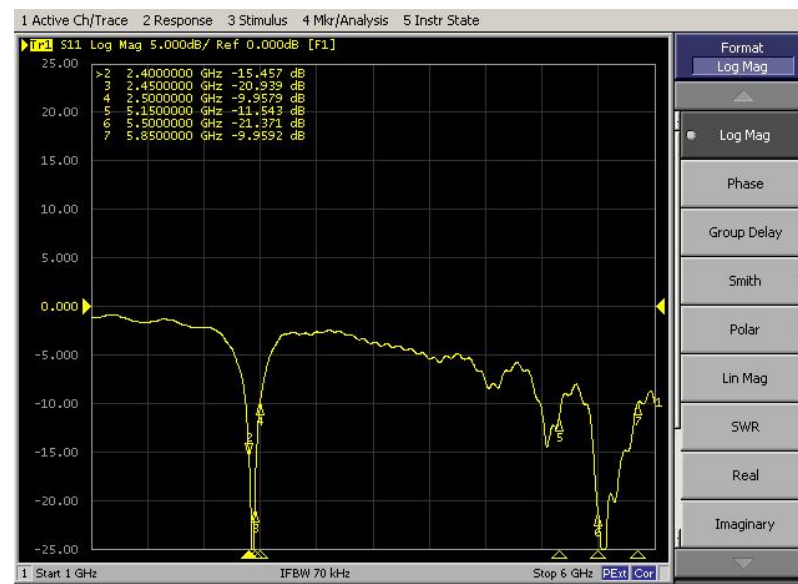
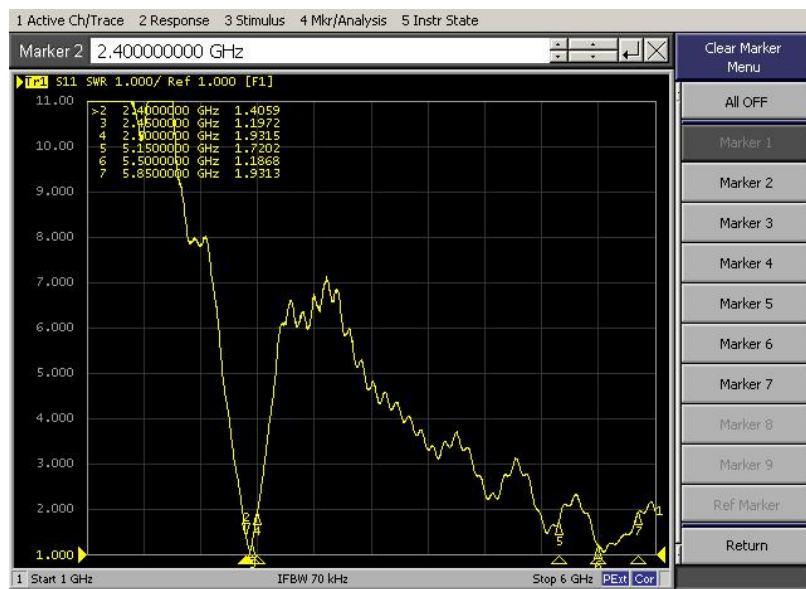
2. Test Result

2.1 WIFI MAIN Antenna VSWR



2. Test Result

2.1 WIFI AUX Antenna VSWR



2. Test Result

2.2 WIFI Antenna TRP/TIS

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	15.8	16.37	16.08
B-TIS-11MBps	-79.36	-77.51	-79.11
G-TRP-54MBps	15.19	15.48	16.14
G-TIS-54MBps	-68.25	-67.94	-68.21
N-TRP-MCS7	15.31	15.18	15.09
N-TIS-MCS7	-66.62	-65.11	-65.27
频段	36	149	165
A-TRP-54MBps	13.84	11.08	12.17
A-TIS-54MBps	-66.29	-66.4	-66.49

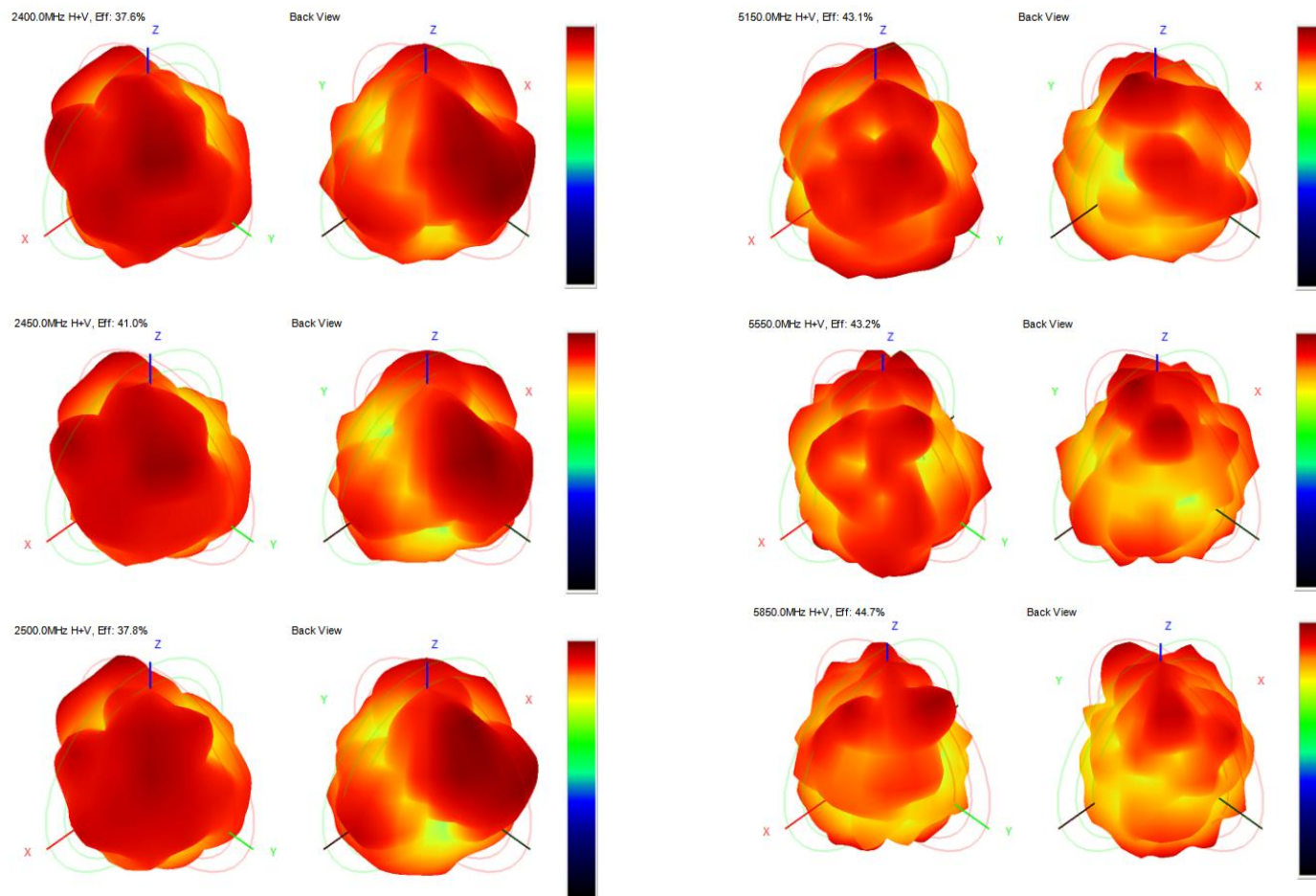
2. Test Result

2.3 WIFI 1 Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-4.24	1.26	37.64
2410.0	-4.27	1.18	37.33
2420.0	-4.10	1.10	38.86
2430.0	-4.29	1.02	37.21
2440.0	-4.25	1.55	37.58
2450.0	-3.87	1.15	40.99
2460.0	-3.98	1.66	39.94
2470.0	-4.02	1.50	39.61
2480.0	-4.18	1.28	38.16
2490.0	-4.23	1.39	37.70
2500.0	-4.22	1.63	37.78
5150.0	-3.65	3.26	43.06
5350.0	-3.54	3.22	44.25
5550.0	-3.64	3.79	43.22
5750.0	-3.72	3.10	42.46
5850.0	-3.49	3.40	44.68

2. Test Result

2.3 WIFI 1 Antenna Gain/Efficiency/3D DATA



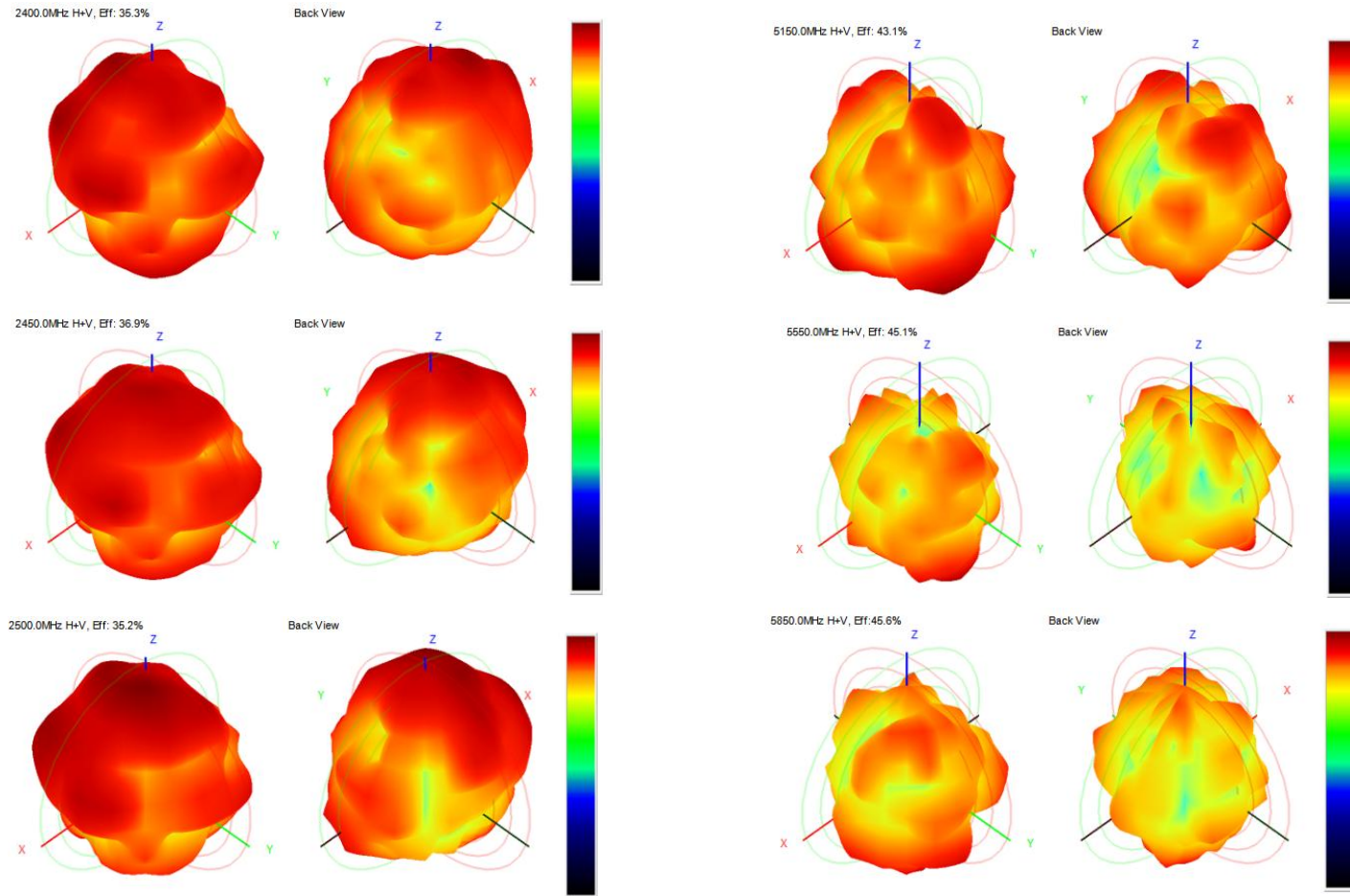
2. Test Result

2.3 WIFI 2 Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-4.52	1.06	35.25
2410.0	-4.36	1.39	36.56
2420.0	-4.39	1.51	36.32
2430.0	-4.21	1.82	37.90
2440.0	-4.21	1.53	37.90
2450.0	-4.32	1.12	36.94
2460.0	-4.30	1.98	37.10
2470.0	-4.48	1.17	35.64
2480.0	-4.36	1.59	36.60
2490.0	-4.44	1.66	35.90
2500.0	-4.52	1.80	35.24
5150.0	-3.65	1.86	43.06
5350.0	-3.48	3.48	44.85
5550.0	-3.45	3.15	45.11
5750.0	-3.45	3.86	45.16
5850.0	-3.41	3.26	45.56

2. Test Result

2.3 WIFI 2 Antenna Gain/Efficiency/3D DATA



3. Conclusions

谢谢！