

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: SMT156

Product: WIFI Antenna

Report date: 2024.3.6

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Checked by : 黄震

Approved by : 林美财

1. Product Overview

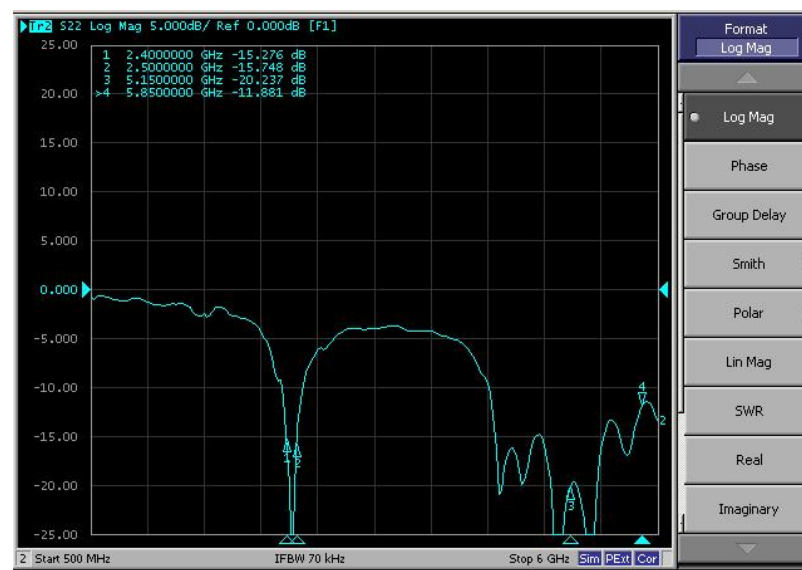
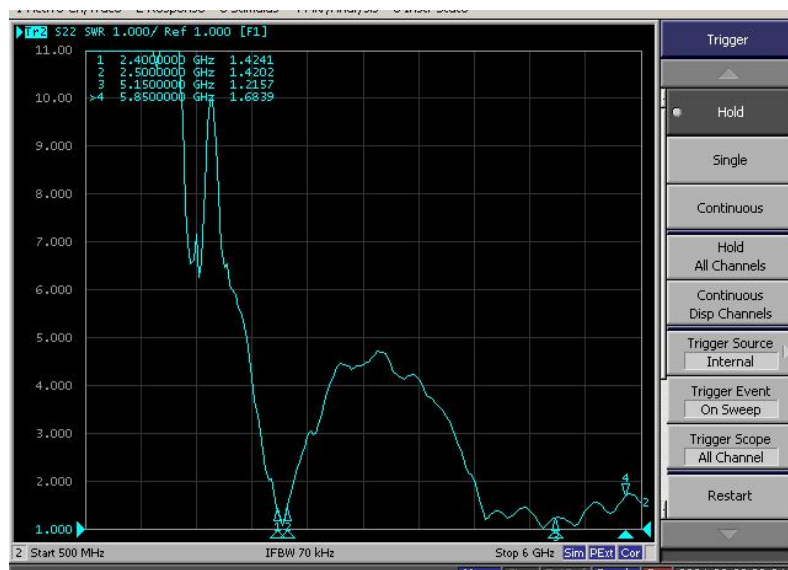


ZigBee天线

WIFI天线

2. Test Result

2.1.1 WIFI Antenna VSWR/S11

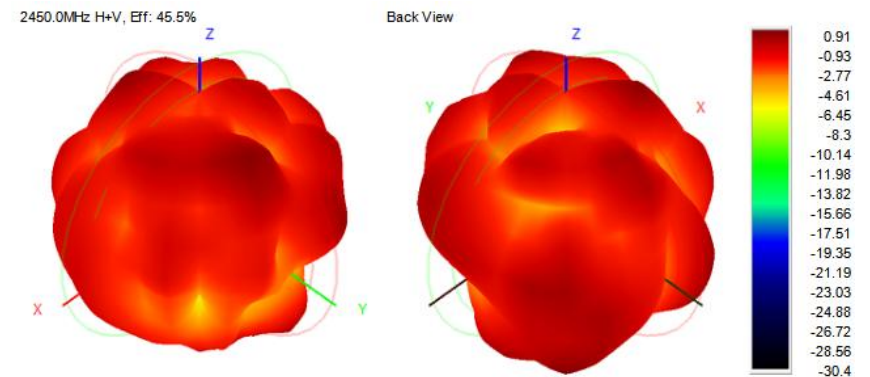
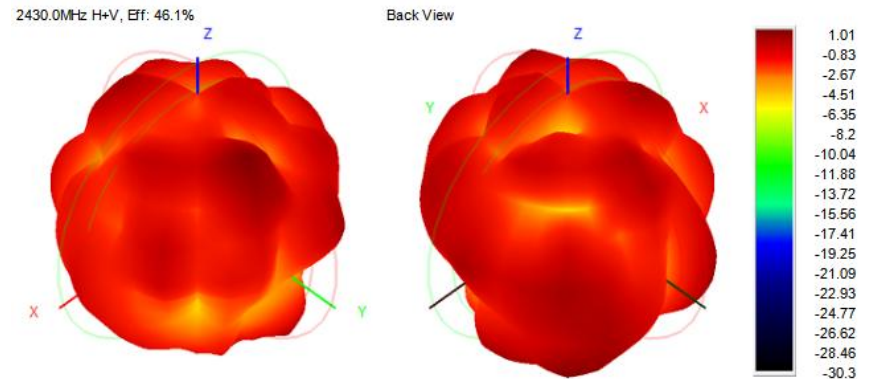
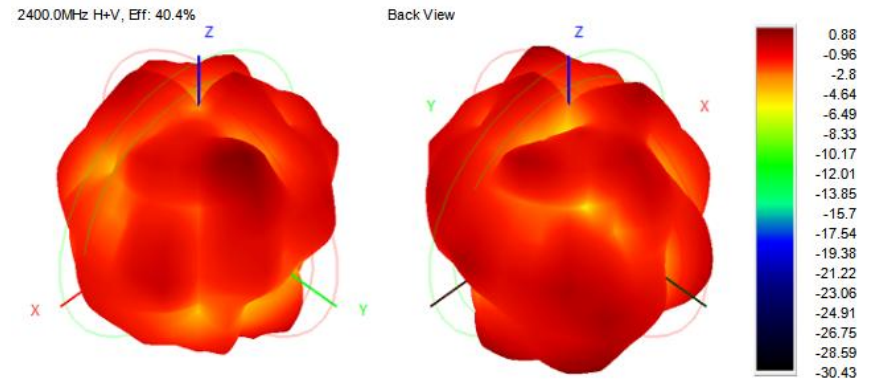


2. Test Result

2.1.2WIFI无源数据

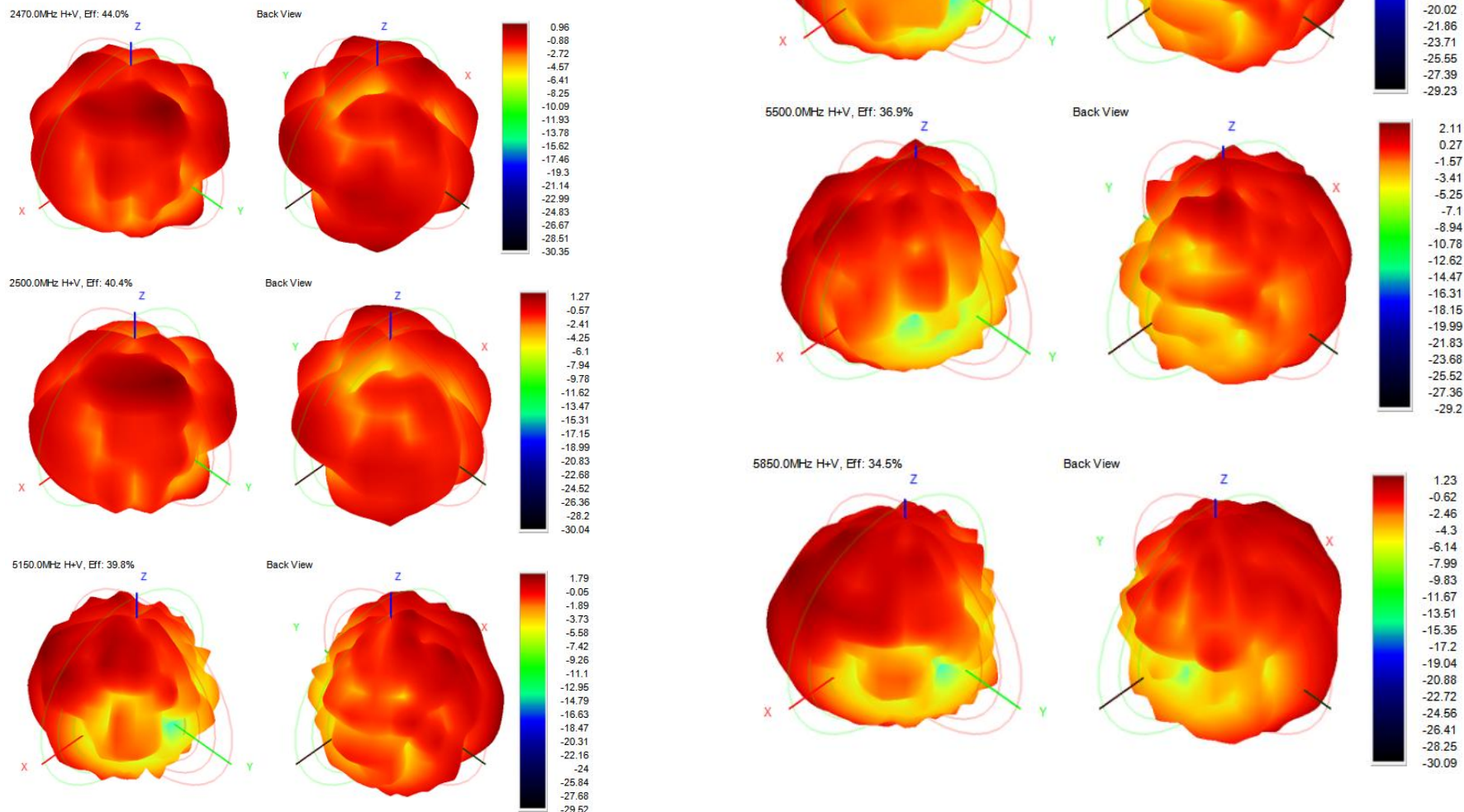
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.93	0.88	40.43
2410.0	-3.69	0.93	42.74
2420.0	-3.54	0.94	44.24
2430.0	-3.36	1.01	46.13
2440.0	-3.31	0.95	46.65
2450.0	-3.42	0.91	45.51
2460.0	-3.58	0.71	43.85
2470.0	-3.57	0.96	43.99
2480.0	-3.54	1.30	44.26
2490.0	-3.90	1.13	40.73
2500.0	-3.94	1.27	40.35
5150.0	-4.00	1.79	39.80
5250.0	-4.05	2.08	39.33
5550.0	-4.45	2.01	35.93
5750.0	-4.23	1.70	37.74
5850.0	-4.62	1.23	34.50

5900.0	-4.26	3.05	37.51
6050.0	-4.29	1.92	37.24
6500.0	-4.47	2.33	35.73
6600.0	-4.12	2.43	38.71
6850.0	-4.01	3.79	39.74
7100.0	-4.50	3.24	35.48
7150.0	-4.56	3.28	34.97
7200.0	-4.46	3.41	35.80
7250.0	-4.33	3.55	36.92
7300.0	-4.28	3.63	37.36
7350.0	-4.59	3.19	34.71
7400.0	-4.94	2.46	32.04
7450.0	-4.85	2.43	32.77
7500.0	-4.47	3.35	35.71



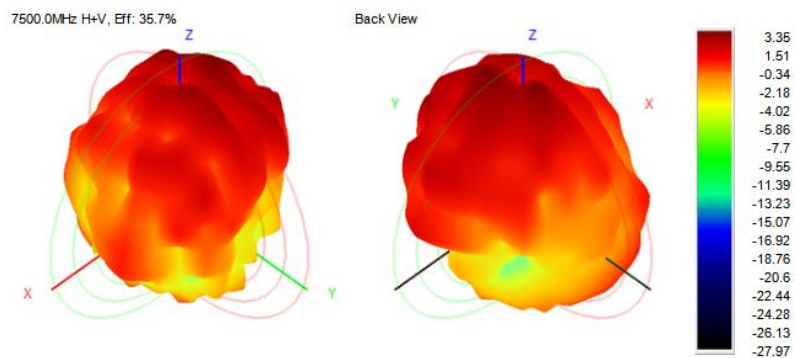
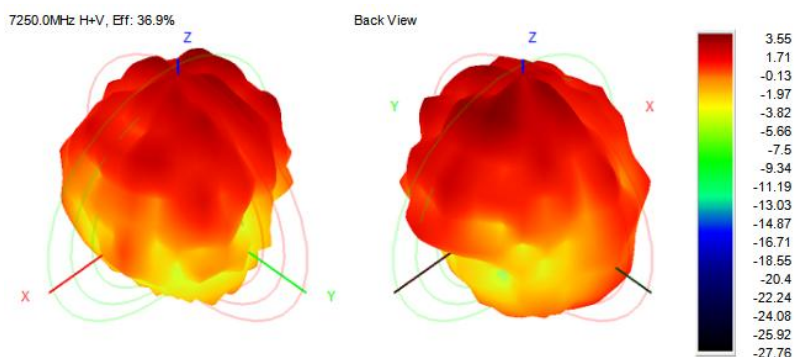
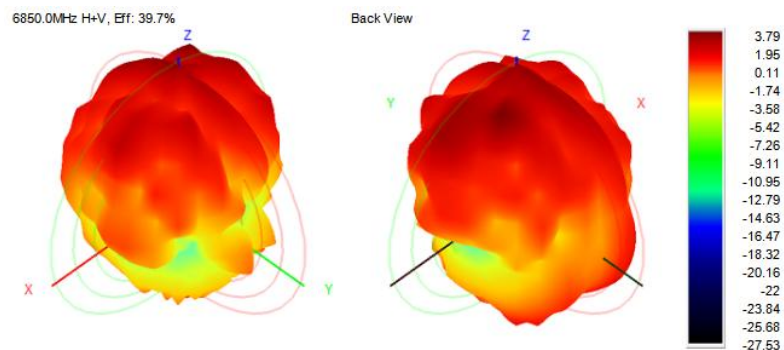
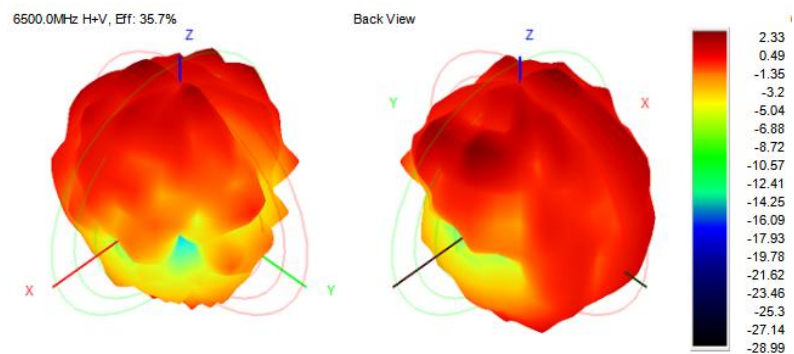
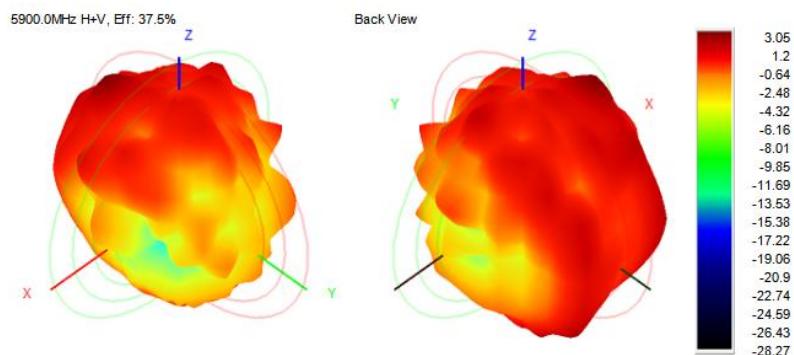
2. Test Result

2.1.2WIFI无源数据



2. Test Result

2.1.2WIFI无源数据



2. Test Result

2.1.3WIFI Antenna 有源导数据

B-11Mbps		
	TRP	TIS
1	14.56	-79.97
6	14.71	-79.77
11	14.34	-80.79

G-54Mbps		
	TRP	TIS
1	13.67	-67.88
6	13.2	-67.36
11	13.87	-67.41

N-MCS7		
	TRP	TIS
1	13.56	-65.17
6	13.24	-64.83
11	13.71	-65.29

A-54Mbps		
	TRP	TIS
36	13.02	-70.46
149	13.68	-69.51
165	13.75	-69.95

3. Conclusions

谢谢！