

Shenzhen Yishengbang Technology Co., Ltd.

Antenna Test Report

Product: WIFI Antenna—FPC

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1. Product Overview



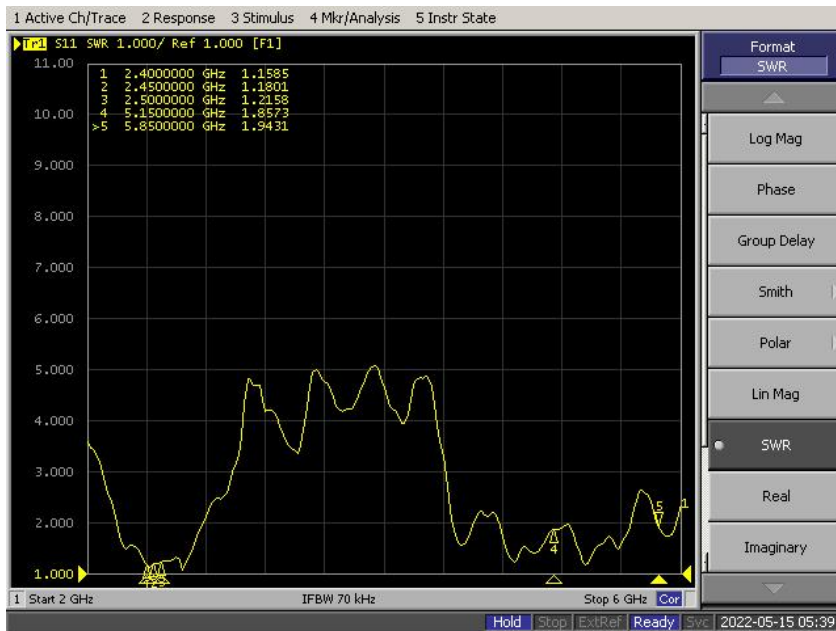
BT/WIFI-MAIN

WIFI-AUX

2. Test Result

2.1 WIF/BT Antenna VSWR/S11

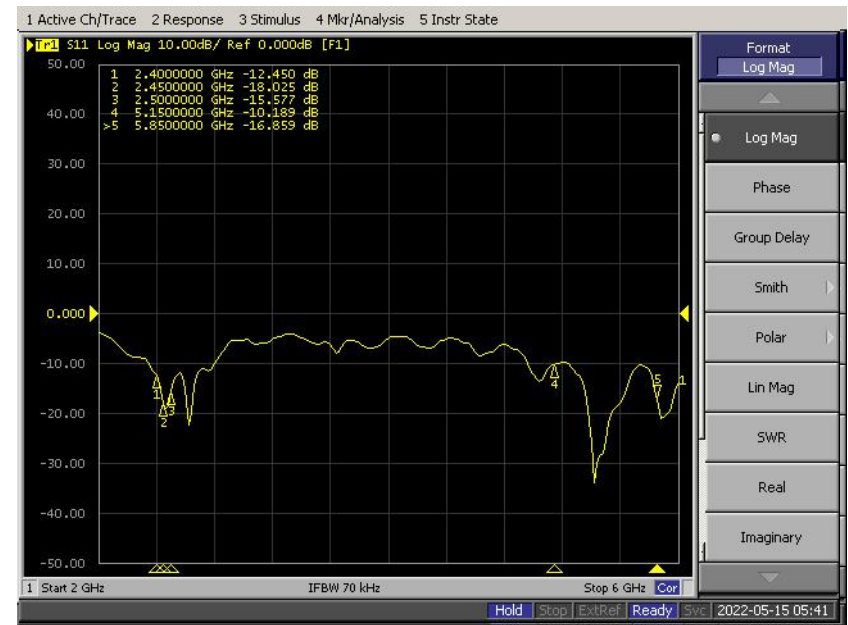
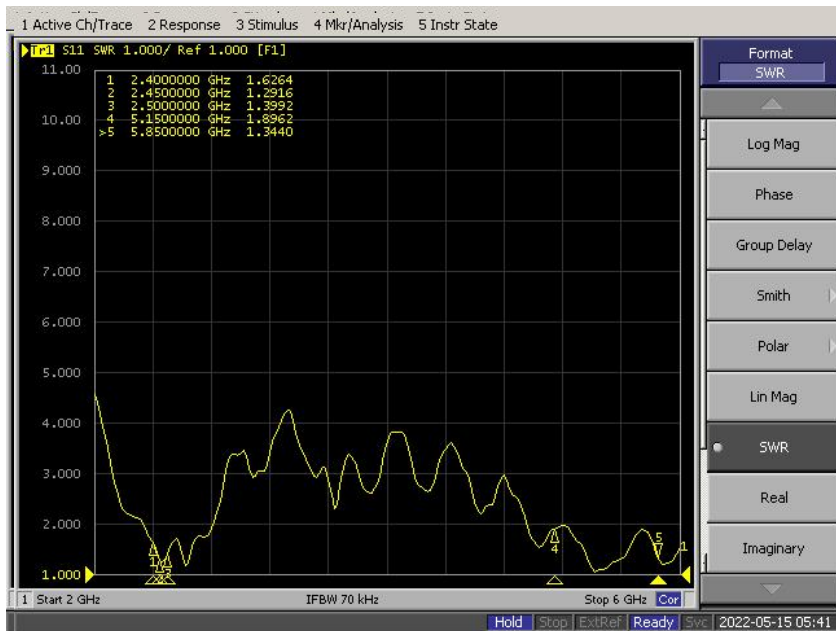
MAIN



2. Test Result

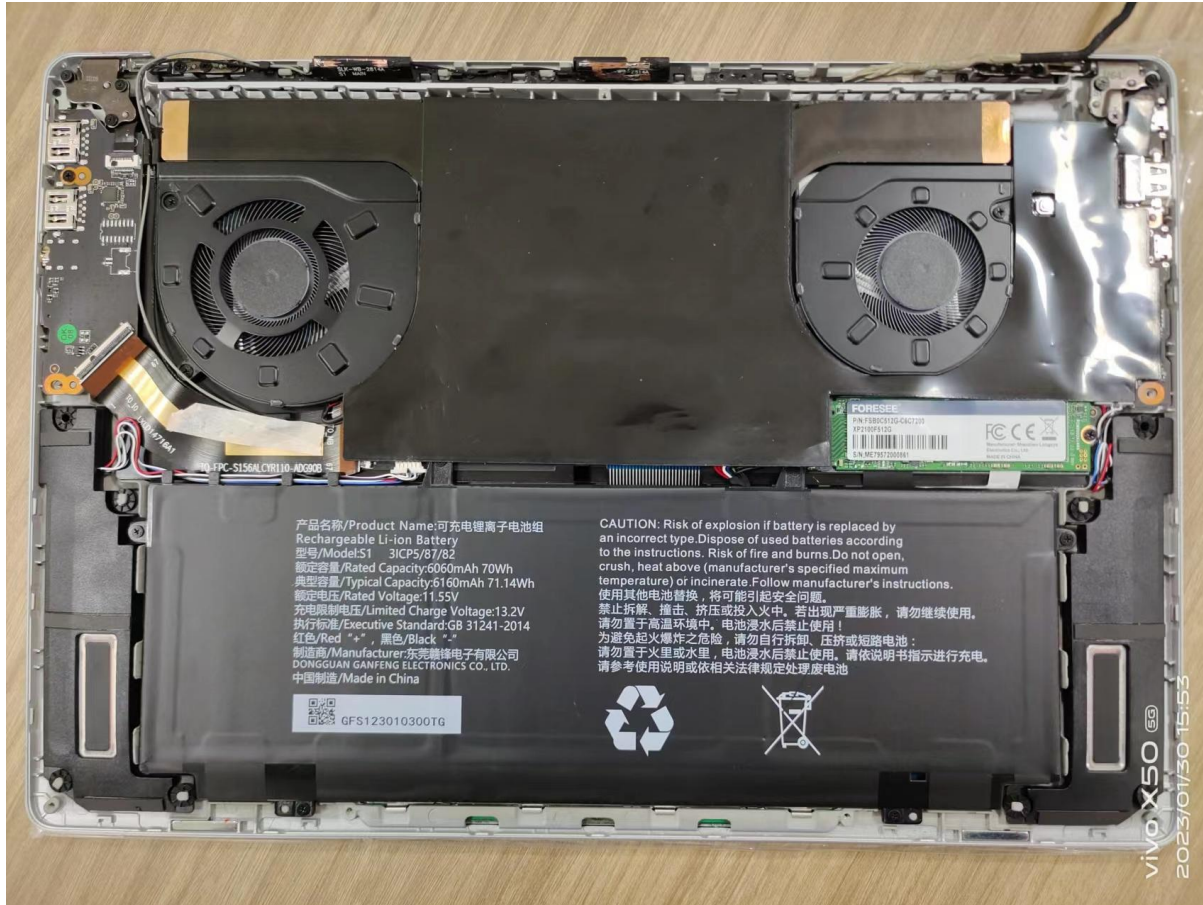
2.1 WIFI Antenna VSWR/S11

AUX



2. Test Result

2.2 Antenna Parameters

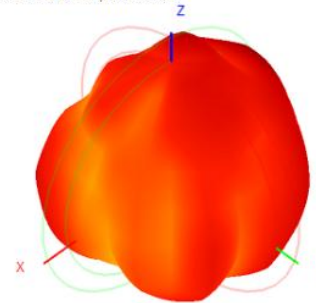


2. Test Result

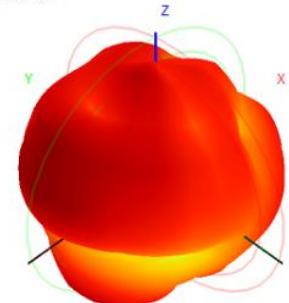
2.3 WIFI/BT Antenna Gain/Efficiency/3D DATE

Frequency	Efficiency	Gain (dBi)	Efficiency (%)
2400.0	-4.11	1.66	38.85
2410.0	-4.02	1.68	39.67
2420.0	-3.66	1.84	42.03
2430.0	-3.89	2.01	40.79
2440.0	-3.74	2.18	42.27
2450.0	-3.49	2.31	43.72
2460.0	-3.34	2.21	44.53
2470.0	-3.34	2.48	41.03
2480.0	-3.57	2.55	41.19
2490.0	-4.04	2.82	39.86
2500.0	-4.02	2.94	39.52
5150.0	-4.73	3.22	30.47
5350.0	-4.72	2.86	31.58
5550.0	-4.68	2.28	34.65
5650.0	-4.48	2.71	34.79
5850.0	-4.35	3.01	35.26

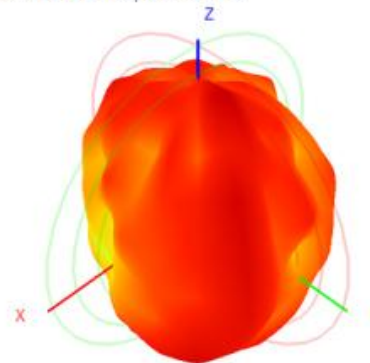
2450.0MHz H+V, Eff: 43.72%



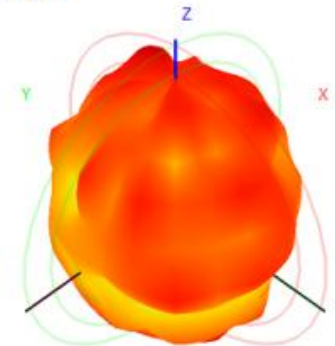
Back View



5850.0MHz H+V, Eff: 35.26%



Back View

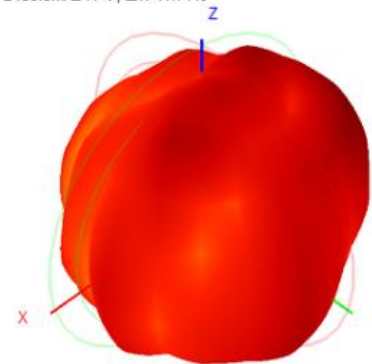


2. Test Result

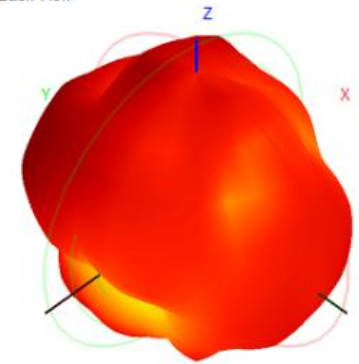
2.3 WIFI(AUX) Antenna Gain/Efficiency/3D DATE

Frequency	Efficiency	Gain (dBi)	Efficiency (%)
2400.0	-4.07	0.98	39.16
2410.0	-4.11	1.15	38.85
2420.0	-4.16	1.18	38.38
2430.0	-3.92	1.69	40.51
2440.0	-3.99	1.73	40.95
2450.0	-3.82	1.94	41.71
2460.0	-3.78	1.72	41.09
2470.0	-4.01	1.26	39.75
2480.0	-4.04	1.07	39.64
2490.0	-4.10	0.86	38.90
2500.0	-4.29	0.73	37.24
5150.0	-4.73	1.85	33.63
5350.0	-4.69	1.86	33.66
5550.0	-4.68	1.96	34.05
5650.0	-4.48	2.14	35.67
5850.0	-4.55	2.51	36.20

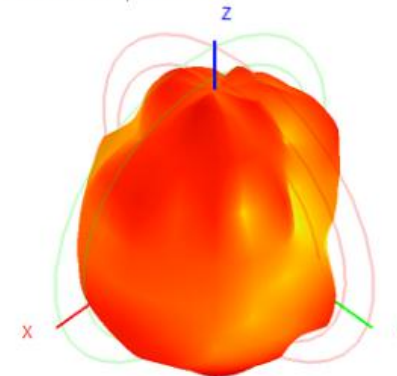
2450.0MHz H+V, Eff: 41.71%



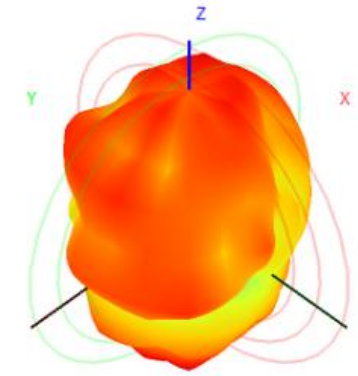
Back View



5850.0MHz H+V, Eff: 36.20%



Back View



2. Test Result

2.4 WIFI Antenna TRP/TIS

WIFI	CH	功率(54M)	灵敏度(54M)	WIFI	CH	功率(54M)	灵敏度(54M)
802.11a	36	8.01	-67.8	802.11g	1	10.9	-68.7
	149	8.38	-69.6		6	10.3	-68.3
	165	8.50	-70.3		11	10.7	-68.2
WIFI	CH	功率(11M)	灵敏度(11M)	WIFI	CH	功率(MCS7)	灵敏度(MCS7)
802.11b	1	11.02	-79.5	802.11n	1	10.6	-66.3
	6	10.65	-80.5		6	10.2	-66.5
	11	11.17	-80.3		11	9.9	-65.5



3. Conclusions

Thank you