

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: WA1589

Product: WIFI

Report date: 2024-11-27

Prepared by : 刘顺

Checked by : 黄震

Approved by : 林美财



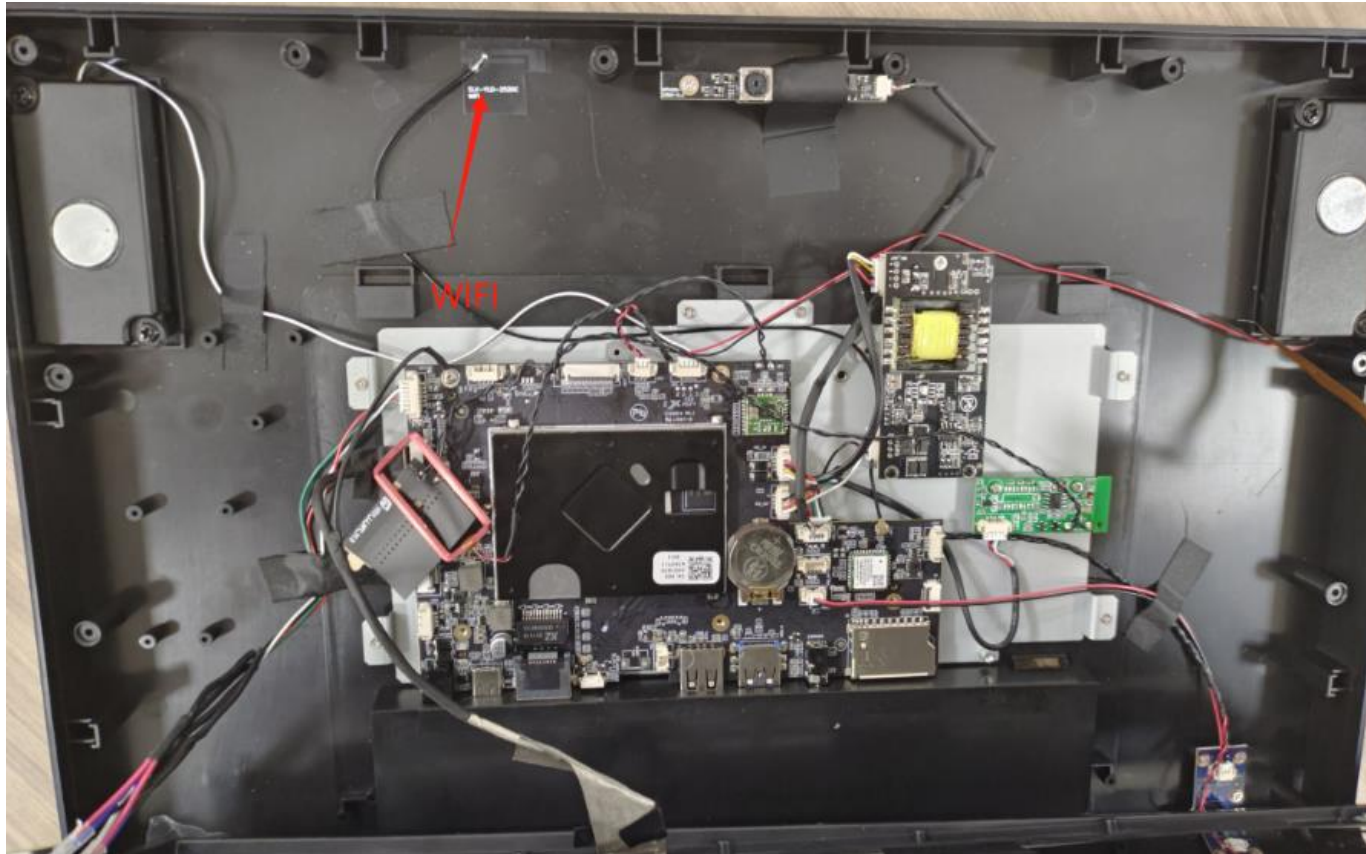
Purpose

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

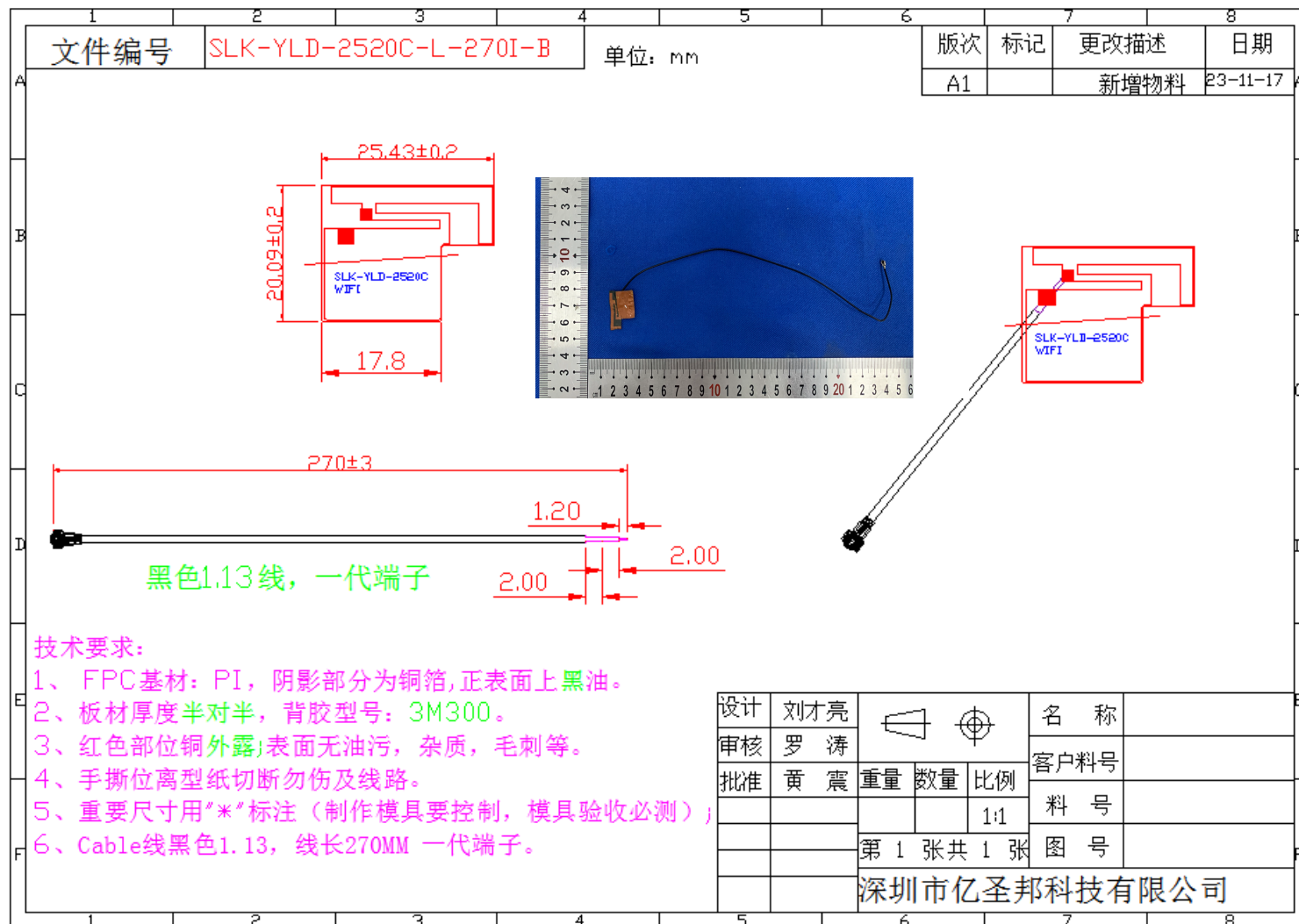
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1. Product Overview

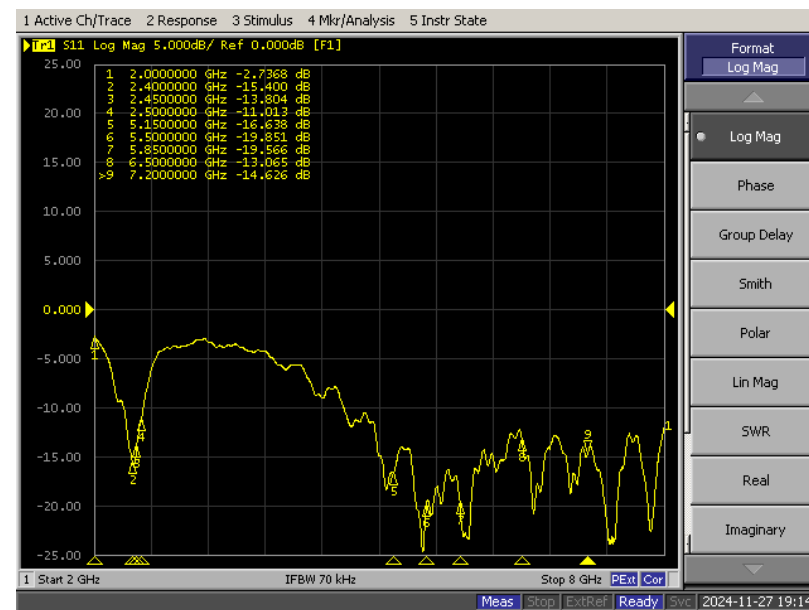
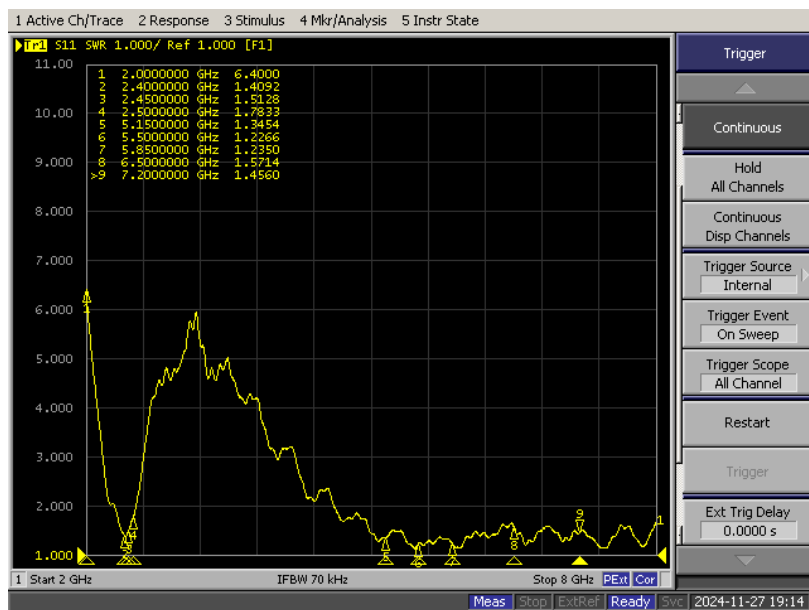


1. Product Overview



2. Test Result

2.1 WIFI VSWR/S11



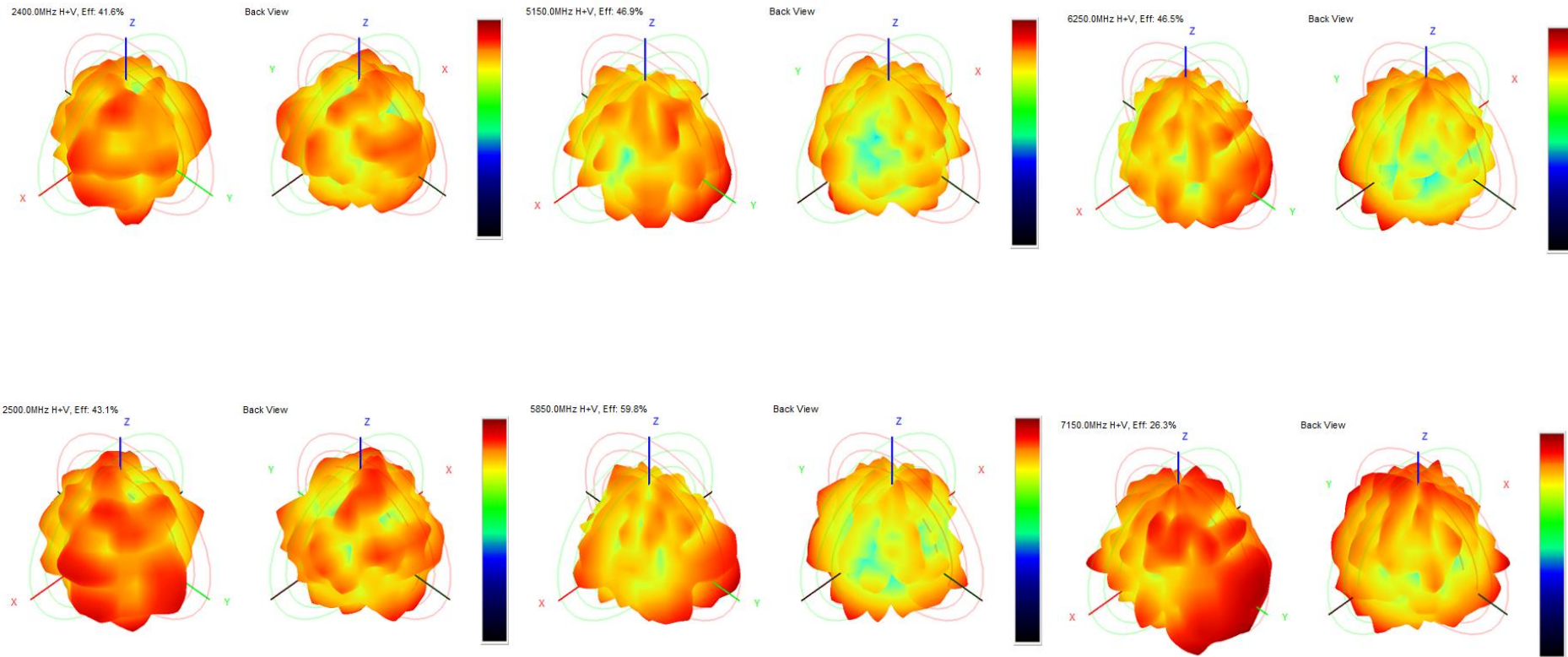
2. Test Result

2.2 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
				5950.00	-3.00	2.90	50.16
2400.00	-3.81	1.43	41.58	6000.00	-2.92	2.70	51.07
				6050.00	-2.71	2.82	53.58
2410.00	-3.64	1.63	43.28	6100.00	-2.81	3.10	52.33
				6150.00	-3.32	3.29	46.52
2420.00	-3.60	1.43	43.66	6200.00	-3.59	3.37	43.77
				6250.00	-3.33	3.82	46.47
2430.00	-3.53	1.49	44.39	6300.00	-3.12	3.71	48.77
				6350.00	-3.29	3.14	46.86
2440.00	-3.42	1.56	45.51	6400.00	-3.76	3.90	42.03
				6450.00	-4.22	4.09	37.80
2450.00	-3.57	1.39	43.94	6500.00	-4.16	4.19	38.41
				6550.00	-4.12	4.03	38.74
2460.00	-3.79	1.27	41.74	6600.00	-4.09	4.43	39.00
				6650.00	-4.63	3.67	34.41
2470.00	-3.84	1.14	41.27	6700.00	-4.74	3.48	33.58
				6750.0	-4.59	3.59	34.79
2480.00	-3.80	1.04	41.69	6800.0	-4.57	3.19	34.88
				6850.0	-4.95	2.97	32.01
2490.00	-3.78	1.62	41.92	6900.0	-5.19	2.79	30.24
				6950.0	-5.30	2.61	29.52
2500.00	-3.65	1.78	43.11	7000.0	-5.06	2.52	31.17
				7050.0	-5.03	2.53	31.38
5150.00	-3.29	2.49	46.85	7100.0	-5.54	2.09	27.94
				7150.0	-5.81	2.12	26.26
5350.00	-2.65	2.13	54.31				
5550.00	-2.63	2.02	54.52				
5750.00	-2.80	2.66	52.50				
5850.00	-2.23	2.46	59.78				

2. Test Result

2.2 WIFI Antenna Gain/Efficiency/3D DATA



2. Test Result

2.3 WIFI Antenna TRP/TIS

WIFI有源测试			
频段	1	6	11
B-TRP-11Mbps	12.85	13.08	14.4
B-TIS-11Mbps	-81.65	-79.9	-83.76
G-TRP-54Mbps	11.89	12.53	12.12
G-TIS-54Mbps	-68.98	-69.26	-69.75
N-TRP-MCS7	11.25	12.36	12.24
N-TIS-MCS7	-65.14	-65.23	-65.39
频段	36	149	165
A-TRP-54Mbps	9.9	10.51	9.77
A-TIS-54Mbps	-71.8	-70.97	-71.54

2. Conclusions

谢谢！