

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: WF3203

Product: WIFI

Report date: 2024-06-15

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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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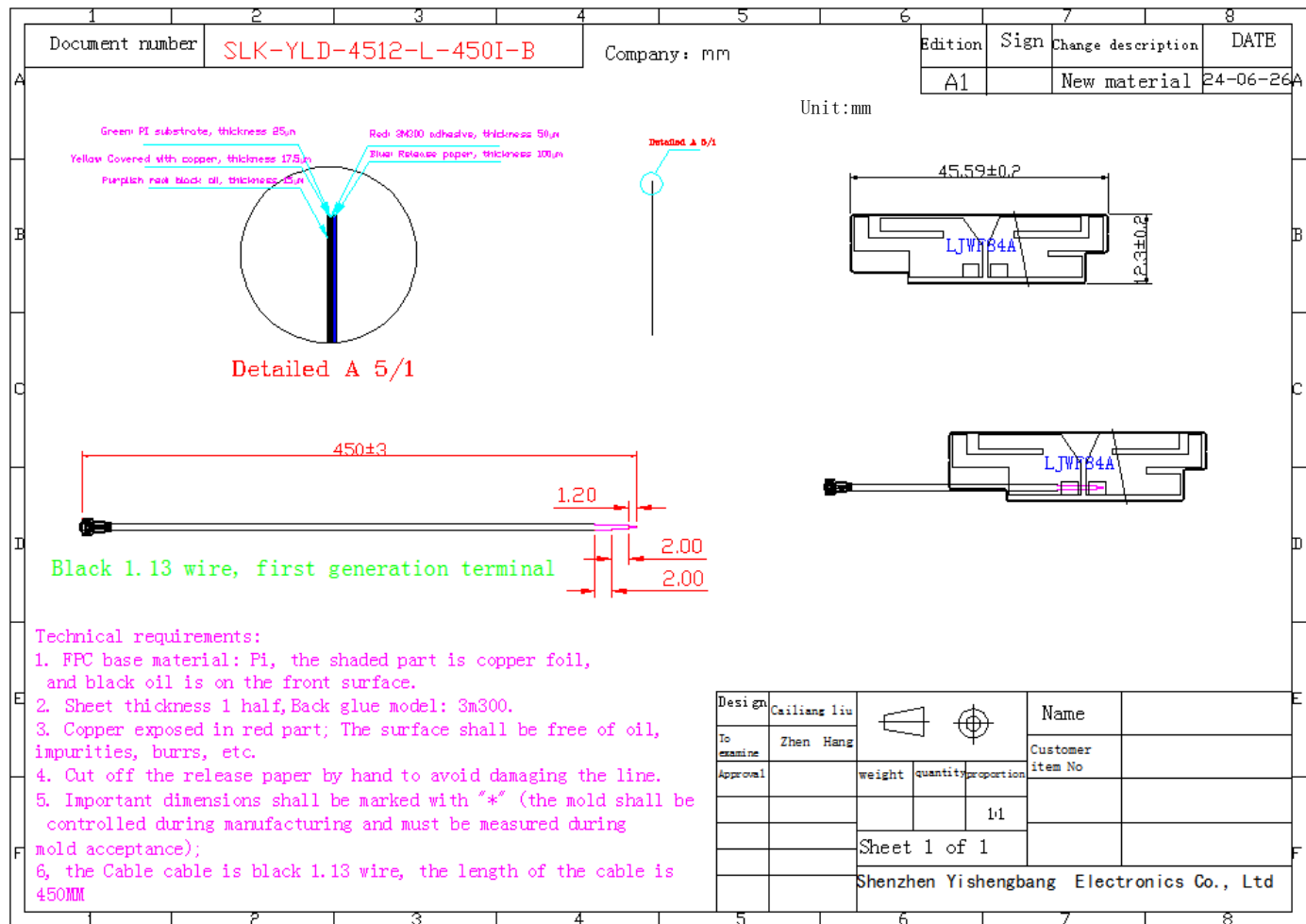
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1. Product Overview

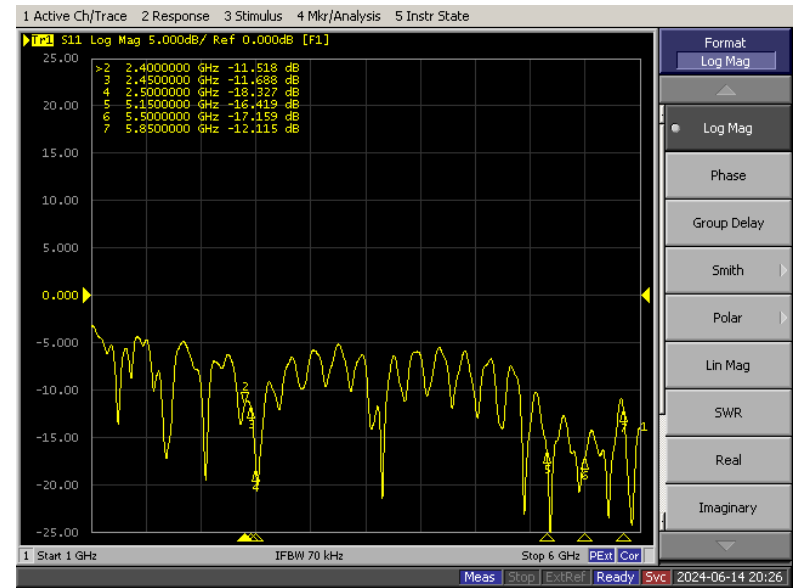
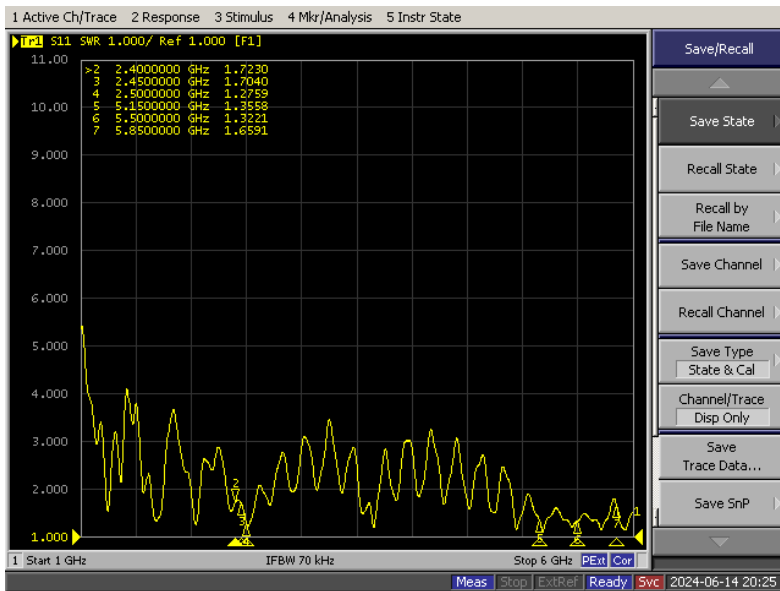


1. Product Overview



2. Test Result

2.1 VSWR/S11



2. Test Result

2.2 WIFI Antenna TRP/TIS

WIFI有源测试			
频段	1	6	11
B-TRP-11Mbps	9.83	10.25	10.29
B-TIS-11Mbps	-79.68	-79.52	-80.85
G-TRP-54Mbps	8.5	9.03	10.14
G-TIS-54Mbps	-65.74	-66.81	-66.98
N-TRP-MCS7	8.07	9.27	10.46
N-TIS-MCS7	-63.78	-64.84	-64.97
频段	36	149	165
A-TRP-54Mbps	7.68	11.65	11.79
A-TIS-54Mbps	-69.51	-68.8	-70.95

2. Test Result

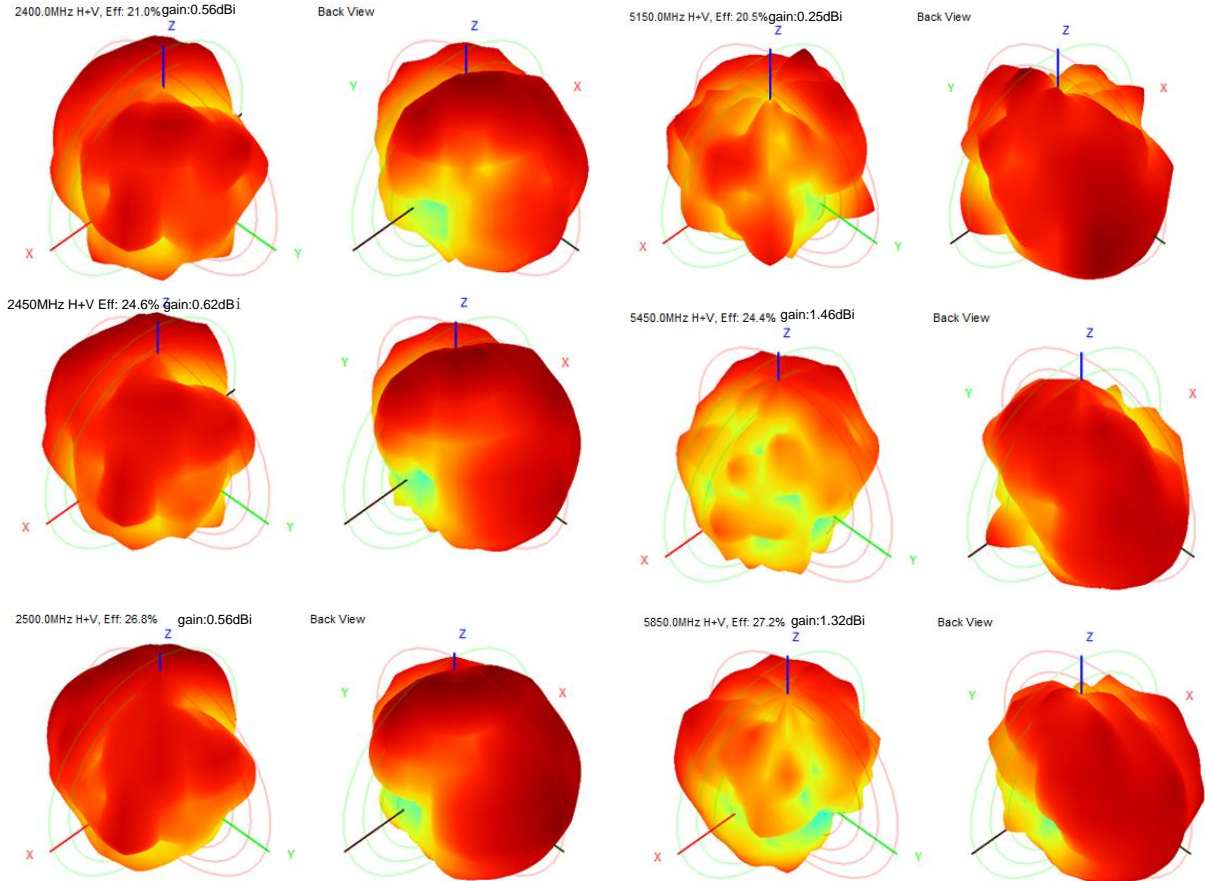
2.2 WIFI Antenna TRP/TIS

主板传导			
频段	1	6	11
B-TRP-11Mbps	14.21	14.84	14.78
B-TIS-11Mbps	/	/	/
G-TRP-54Mbps	14.15	14.64	14.81
G-TIS-54Mbps	/	/	/
N-TRP-MCS7	14.3	14.61	14.93
N-TIS-MCS7	/	/	/
频段	36	149	165
A-TRP-54Mbps	10.32	15.3	14.78
A-TIS-54Mbps	/	/	/

2. Test Result

2.4 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-6.77	0.56	21.02
2410	-6.65	0.33	21.59
2420	-6.11	0.55	24.45
2430	-6.15	0.11	24.23
2440	-6.11	0.53	24.48
2450	-6.09	0.62	24.59
2460	-5.82	0.76	26.15
2470	-6.03	0.55	24.89
2480	-5.92	0.41	25.54
2490	-5.74	0.55	26.66
2500	-5.71	0.56	26.83
5150	-6.87	0.25	20.53
5250	-6.74	0.16	21.18
5450	-6.11	1.46	24.45
5850	-5.65	1.32	27.21



3. Conclusions

谢谢!