

深圳市亿圣邦科技有限公司

Shenzhen Yi Sheng Bang technology Co., LTD Antenna Test Report

Customer: 星王

Project: M55

Product: WIFI Antenna—FPC

Report date: 2023-07-05

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Purpose

This report is to measure the performance of SLK for Master Antenna on 星王. All measure date are showed below.

Content

1. Product Overview

2.Test Result

2.1 WIFI Antenna VSWR

2.2 WIFI Antenna Gain/Efficiency/3D DATA

2.3 WIFI active test

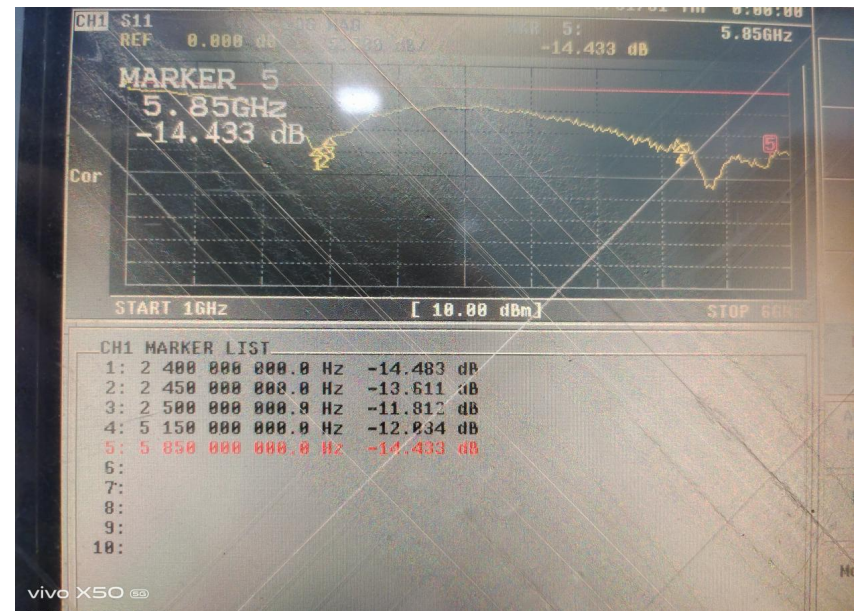
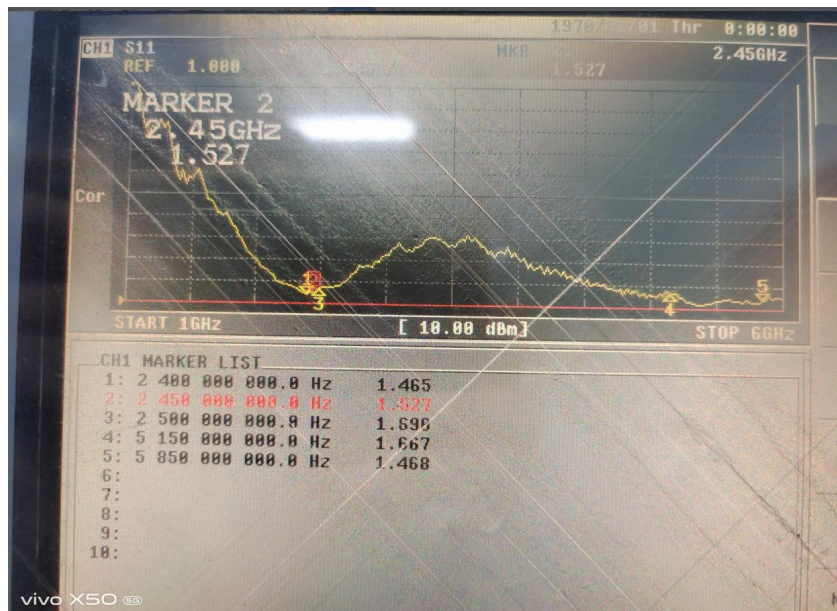
3. Conclusions

1. Product Overview & Dimension



2. Test Result

2.1 WIFI Antenna VSWR/S11



2. Test Result

2.2 WIFI Antenna Gain/Efficiency/3D DATE

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.37	3.41	57.96
2410.0	-2.40	3.59	57.50
2420.0	-2.40	3.69	57.51
2430.0	-2.54	3.59	55.71
2440.0	-2.56	3.60	55.51
2450.0	-2.63	3.55	54.51
2460.0	-2.66	3.45	54.22
2470.0	-2.76	3.24	52.91
2480.0	-2.90	3.00	51.29
2490.0	-2.83	2.95	52.14
2500.0	-2.78	2.78	52.71
5150.0	-3.88	1.79	40.91
5250.0	-3.91	2.21	40.66
5350.0	-3.68	2.11	42.90
5550.0	-3.98	2.51	40.03
5750.0	-3.94	2.77	40.41
5850.0	-3.96	2.76	40.14

2. Test Result

2.3 WIFI active test

WIFI有源测试			
频段	1	6	11
B-TRP-11Mbps	16.53	16.21	15.76
B-TIS-11Mbps	-80.47	-80.43	-70.31
G-TRP-54Mbps	14.71	14.28	14.61
G-TIS-54Mbps	-69.48	-69.73	-70.09
N-TRP-MCS7	14.71	14.24	17.73
N-TIS-MCS7	-65.68	-65.04	-66.47
频段	36	149	165
A-TRP-54Mbps	13.11	13.45	13.08
A-TIS-54Mbps	-70.11	-70.29	-70.37

3. Conclusions



如图所示：

- 1.把屏排线拉一块导电布包起来屏蔽干扰处理
- 2.在主板屏蔽罩拉一块导电布与屏接地处理
- 3.主板底部漏铜区贴导电海绵与屏接地处理



3. Conclusions

Thank you