

深圳市亿圣邦科技有限公司

The Holy bond Electronics Co., Ltd. Antenna Test Report

Customer: 巨世科技

Project: P101W

Product: WIFI Antenna—FPC

Report date: 2023.09.18

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Approved by :



Purpose

This report is to measure the performance of SLK for Master Antenna on 巨世科技. All measure data are showed below.

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2.1 VSWR/S11

2.2 Antenna Parameters

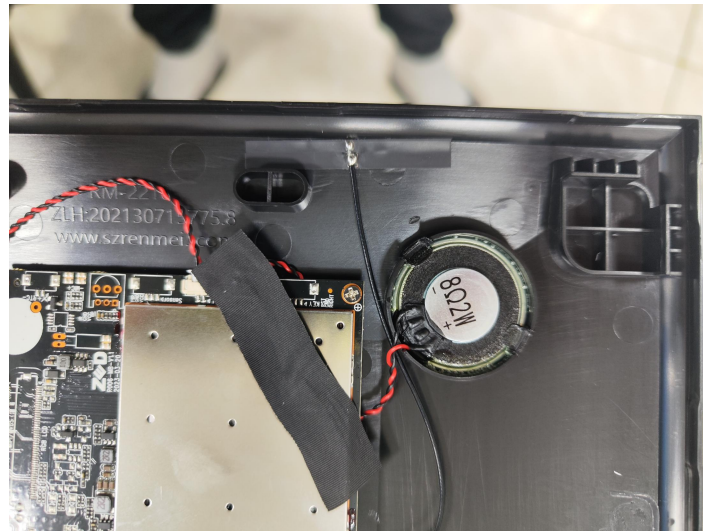
2.3 WIFI Antenna TRP/TIS

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1. Product Overview



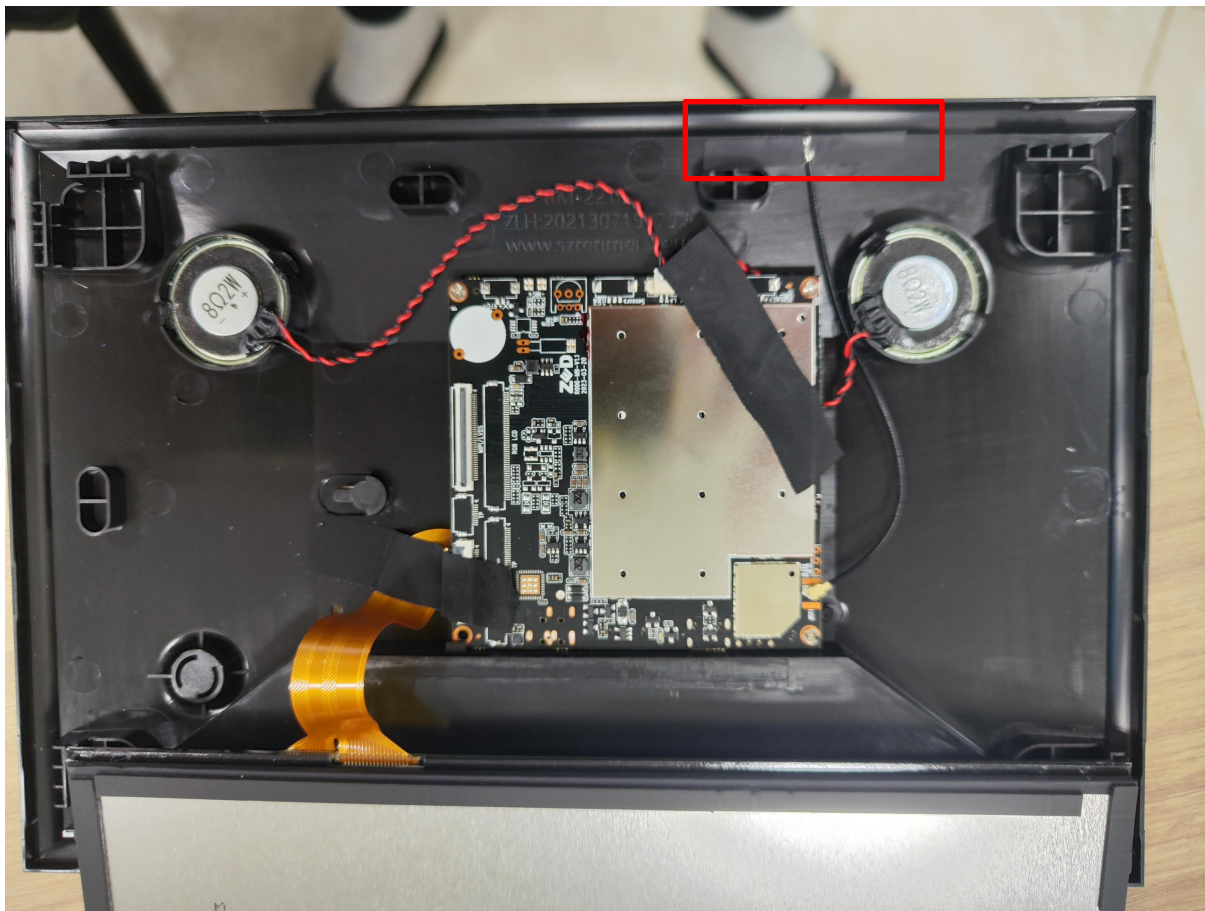
2. Test Result

2.1 VSWR/S11



2. Test Result

2.2 Antenna Parameters



2. Test Result

2.3 WIFI Antenna TRP/TIS

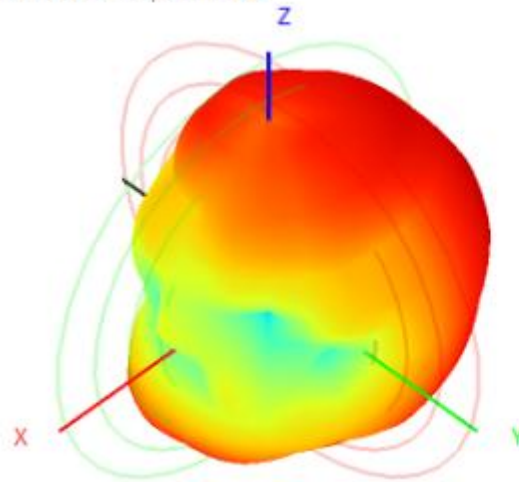
WIFI	CH	功率(54M)	灵敏度(54M)	WIFI	CH	功率(54M)	灵敏度(54M)
802.11a	36	/	/	802.11g	1	13.18	-70.36
	149	/	/		6	13.43	-68.52
	165	/	/		11	14.18	-67.26
WIFI	CH	功率(11M)	灵敏度(11M)	WIFI	CH	功率(MCS7)	灵敏度(MCS7)
802.11b	1	15.03	-82.59	802.11n	1	13.73	-67.25
	6	14.84	-81.71		6	13.84	-66.67
	11	15.4	-81.31		11	14.04	-66.39

2. Test Result

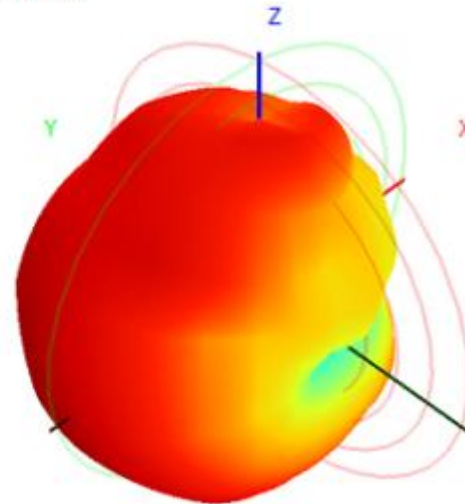
2.4 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.89	-2.80	-2.96	-2.70	-3.00	-3.01	-3.02	-3.10	-2.75	-2.94	-3.09
Gain (dBi)	2.57	2.51	2.12	2.31	2.28	2.13	2.33	2.60	3.10	3.25	2.86
Efficiency (%)	51.36	52.44	50.53	53.69	50.11	49.95	49.86	48.94	53.10	50.80	49.06

2400.0MHz H+V, Eff: 51.4%



Back View

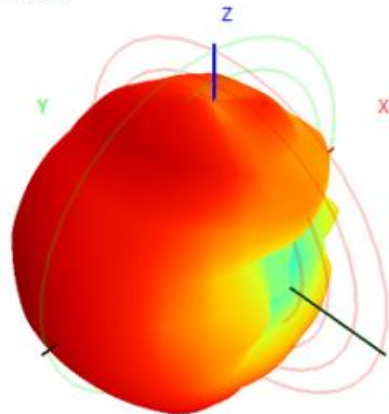
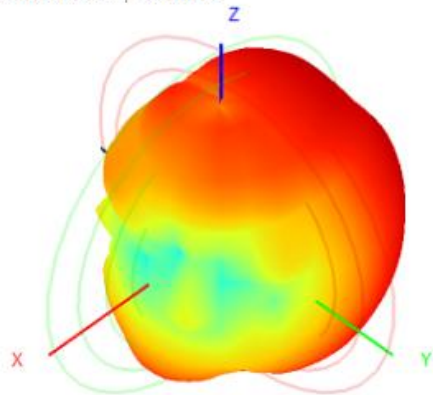


2. Test Result

2.4 WIFI Antenna Gain/Efficiency/3D DATA

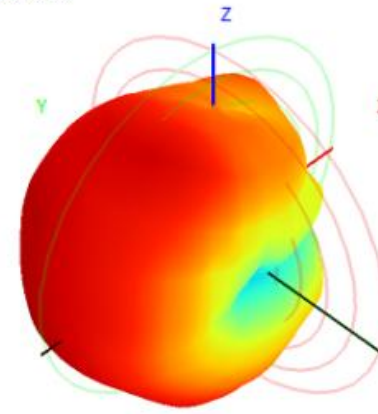
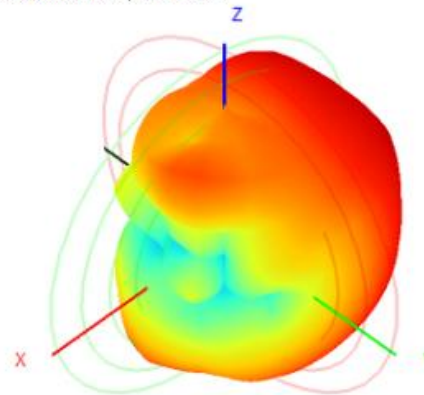
2450.0MHz H+V, Eff: 50.0%

Back View



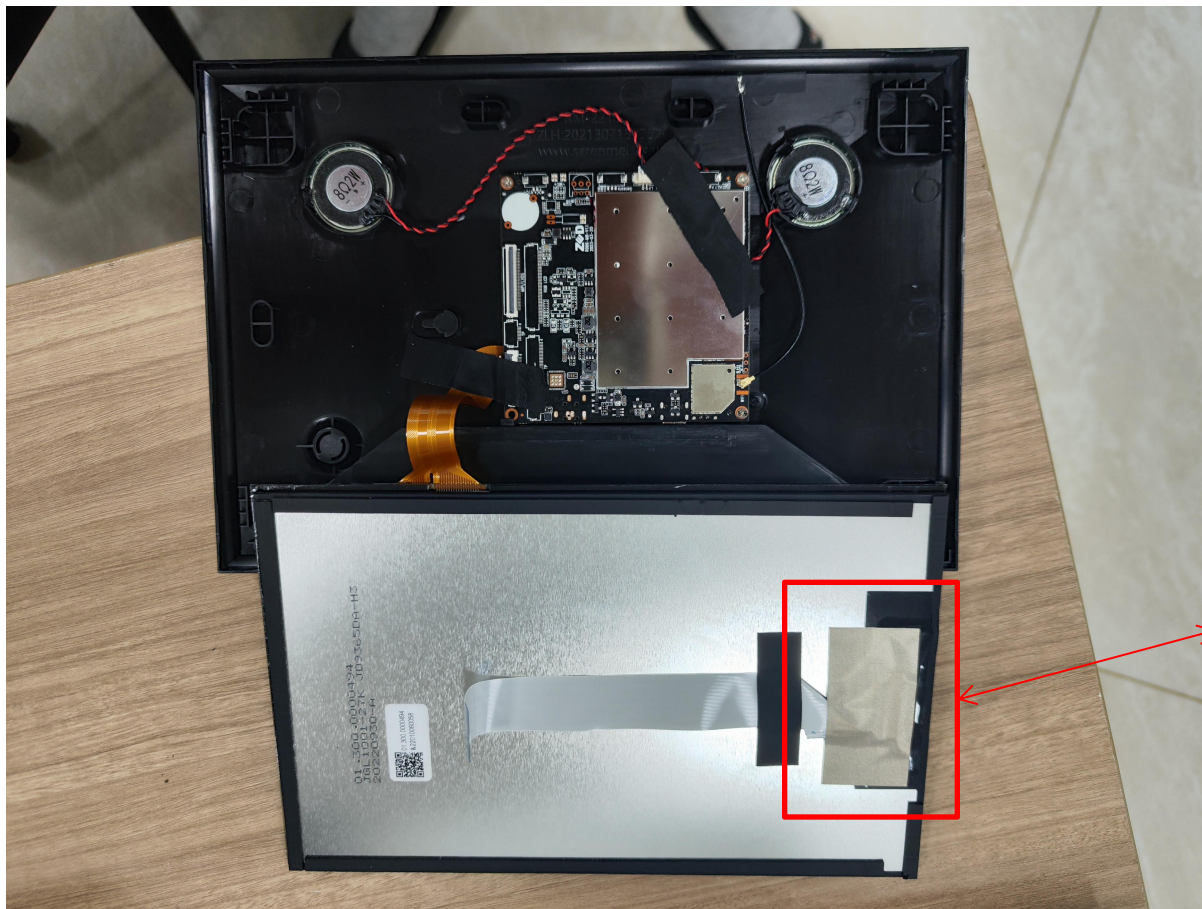
2500.0MHz H+V, Eff: 49.1%

Back View



2. Test Result

2.5 Environmental Treatment



贴导电
布减少
干扰



3. Conclusions

Thank you