

深圳市亿圣邦科技有限公司

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

Customer: 亿莱顿

Project: WF4313(R114主板)

Product: WIFI/BTAntenna—FPC

Report date: 2022-12-13

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Approved by :

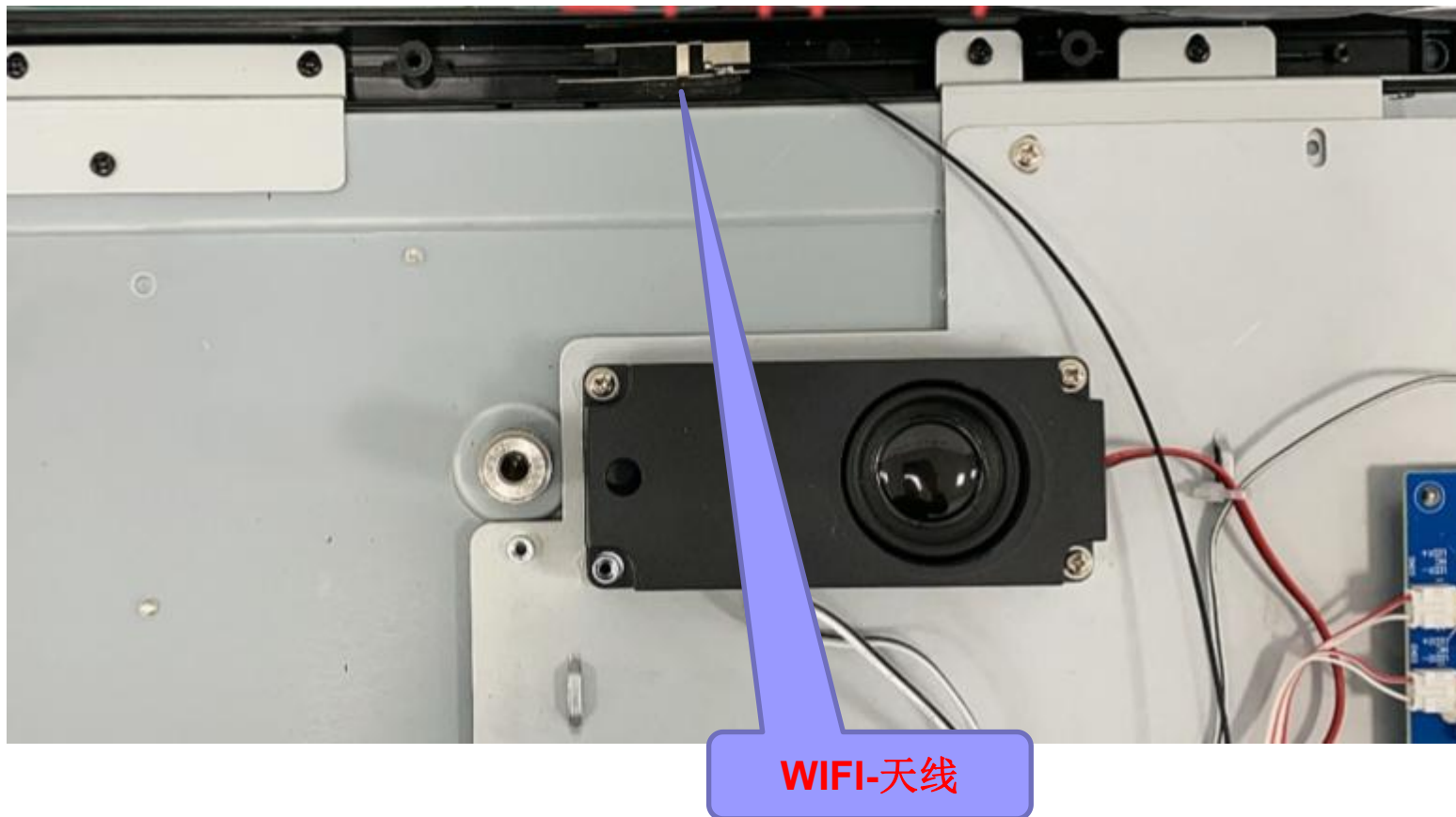
Purpose

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 & Dimension



2. Test Result

2.1 WIFI /BT/ Antenna VSWR/S11



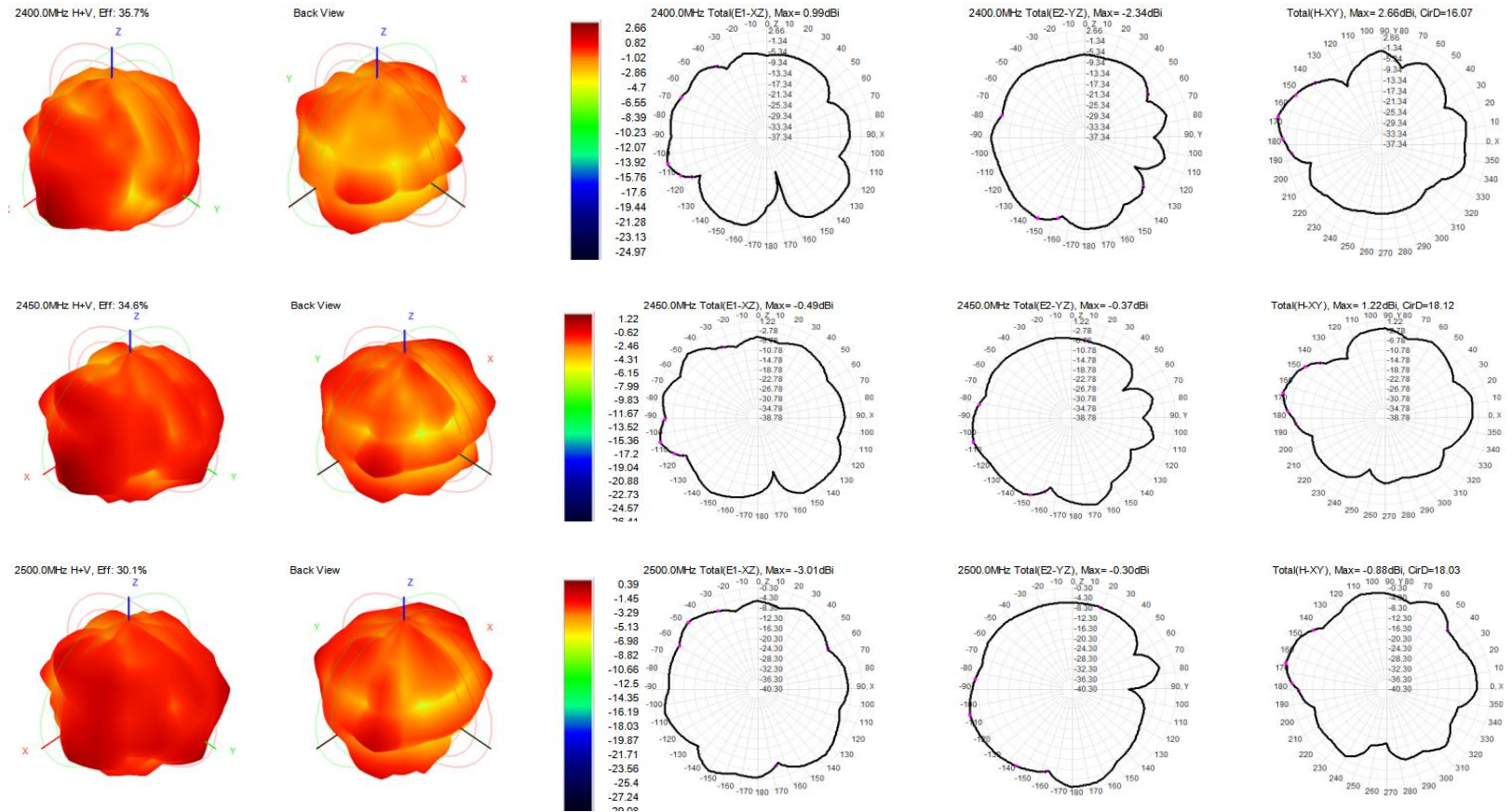
2. Test Result

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

Frequency	Efficiency	Gain (dBi)	Efficiency (%)
2400.0	-4.48	2.66	35.65
2410.0	-4.39	2.36	36.40
2420.0	-4.55	2.04	35.04
2430.0	-4.26	2.11	37.53
2440.0	-4.56	1.45	35.00
2450.0	-4.60	1.22	34.65
2460.0	-4.58	0.93	34.85
2470.0	-4.91	0.52	32.25
2480.0	-4.93	1.00	32.15
2490.0	-4.99	0.85	31.67
5150.0	-3.52	3.96	44.44
5350.0	-3.73	4.43	42.39
5550.0	-4.04	4.49	39.45
5650.0	-3.69	4.09	42.77
5850.0	-3.19	5.09	47.96

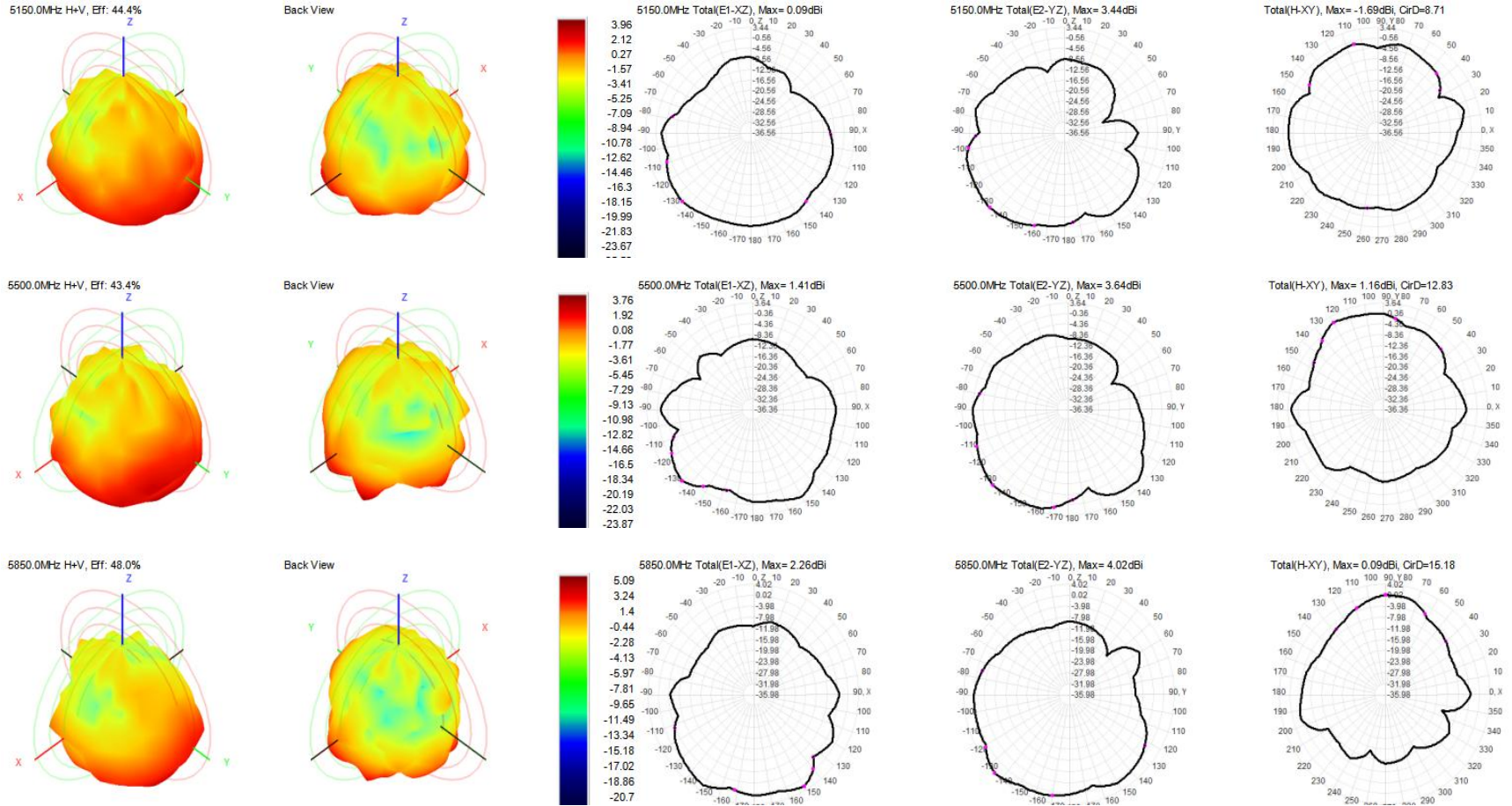
2. Test Result

2.2 WIFI /BTAntenna Gain/Efficiency/3D DATE



2. Test Result

2.2 WIFI Antenna Gain/Efficiency/3D DATE



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	10.7	-70.2	802.11g	1	11.5	-66.5
	149	11.3	-70.4		6	11.3	-66.4
	165	11.4	-70.5		11	11.0	-66.2
WIFI	CH	功率(11M)	灵敏度(11M)	WIFI	CH	功率(MCS7)	灵敏度(MCS7)
802.11b	1	12.2	-77.5	802.11n	1	10.6	-65.5
	6	12.1	-77.6		6	10.5	-64.3
	11	11.5	-70.5		11	10.3	-62.5



3. Conclusions

Thank you