

深圳市亿圣邦科技有限公司

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

Customer: 一恒科

Project: P11

Product: WIFI Antenna—FPC

Report date: 2023.04.25

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Approved by :

Purpose

This report is to measure the performance of SLK for Master Antenna on 一恒科. All measure data are showed below.

Content

1. Product Overview

2. Test Result

2.1 VSWR/S11

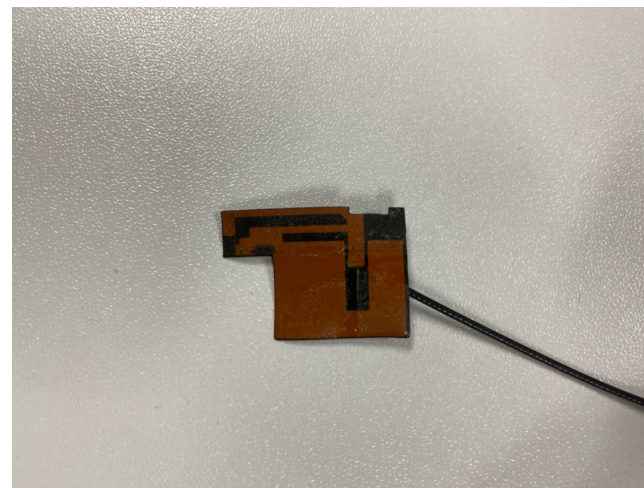
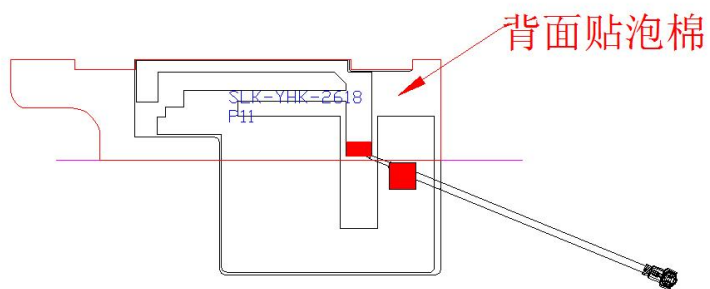
2.2 Antenna Parameters

2.3 WIFI Antenna TRP/TIS

2.4 WIFI Antenna Gain/Efficienc/3D DATA

3. Conclusions

1. Product Overview



2. Test Result

2.1 VSWR/S11



2. Test Result

2.3 WIFI Antenna TRP/TIS

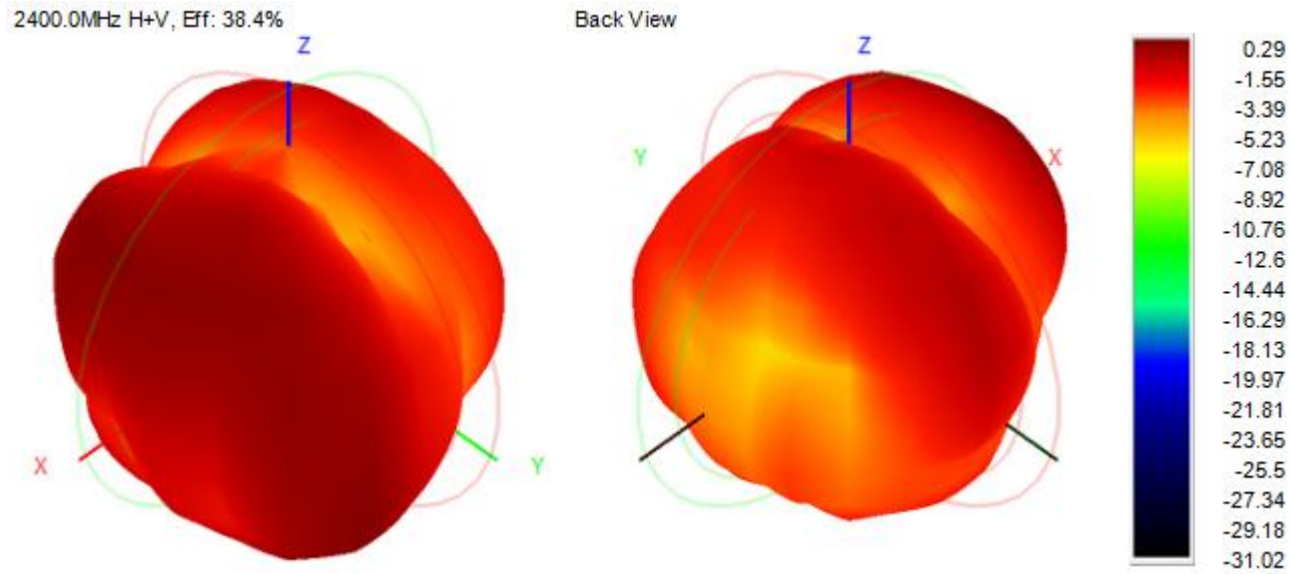
WIFI	CH	功率(11M)	灵敏度(11M)
802.11b	1	15.39	-84.28
	6	15.82	-86.66
	11	15	-84.96

WIFI	CH	功率(54M)	灵敏度(54M)
802.11a	36	10.02	-64.44
	149	10.35	-70.72
	165	9.56	-70.79

2. Test Result

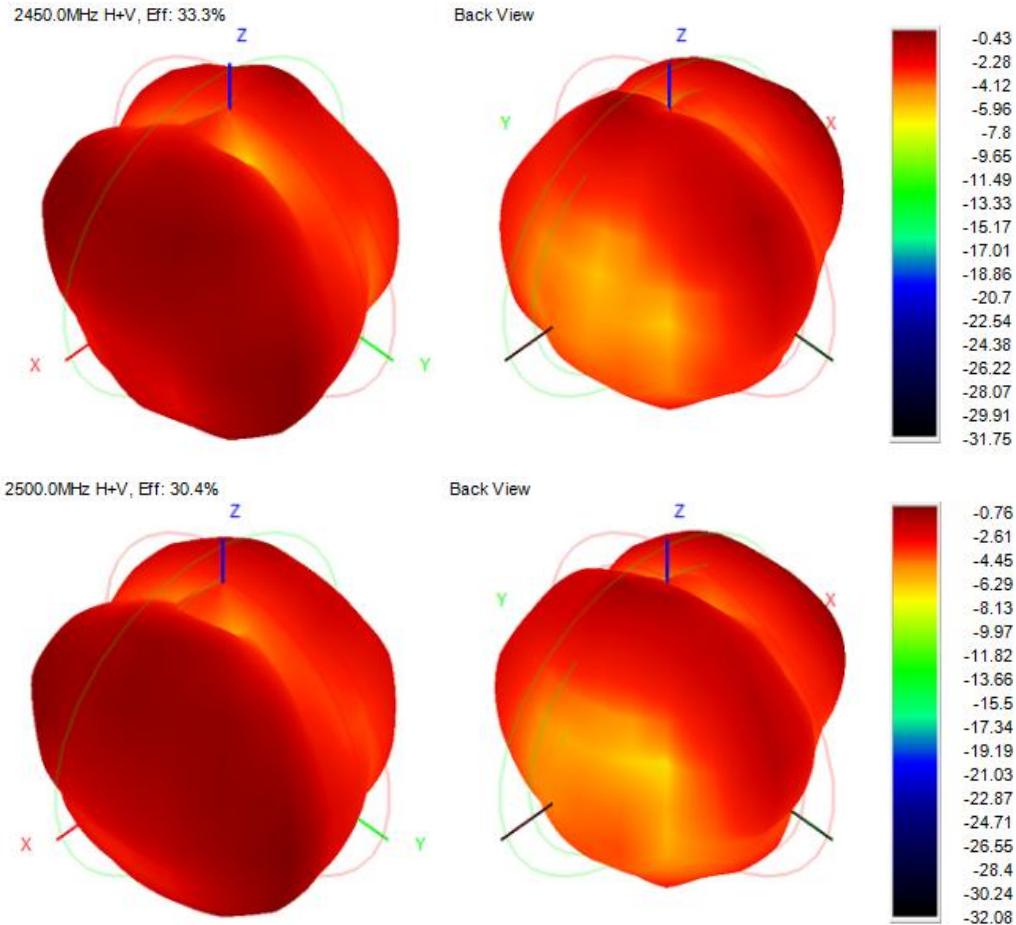
2.4 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5350.0	5500.0	5650.0	5850.0
Efficiency (dBi)	-4.16	-4.31	-4.30	-4.48	-4.43	-4.78	-4.96	-5.21	-5.23	-4.94	-5.17	-6.26	-6.03	-5.74	-6.37	-4.68
Gain (dBi)	0.29	0.28	0.19	-0.12	0.15	-0.43	-0.37	-0.85	-0.48	-0.30	-0.76	-0.85	-0.27	-1.60	-1.67	1.01
Efficiency (%)	38.38	37.04	37.18	35.66	36.03	33.27	31.95	30.10	29.99	32.08	30.43	23.68	24.93	26.67	23.04	34.08



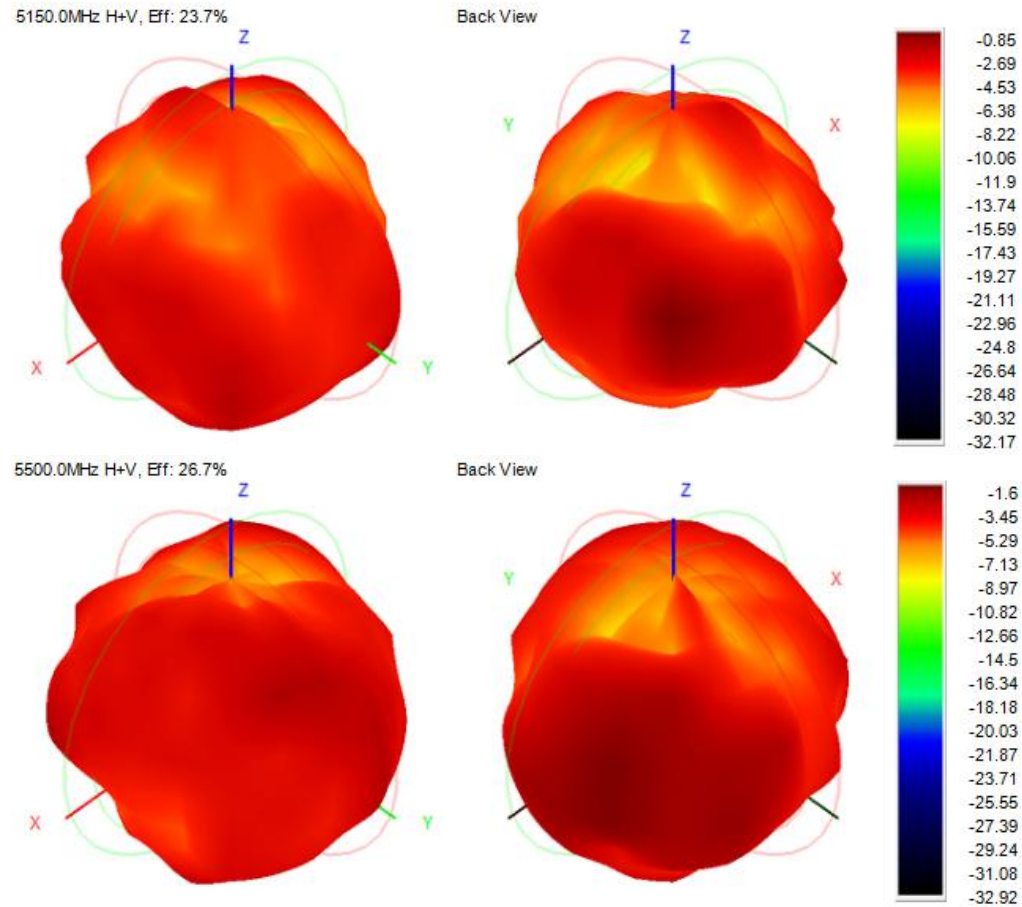
2. Test Result

2.4 WIFI Antenna Gain/Efficiency/3D DATA



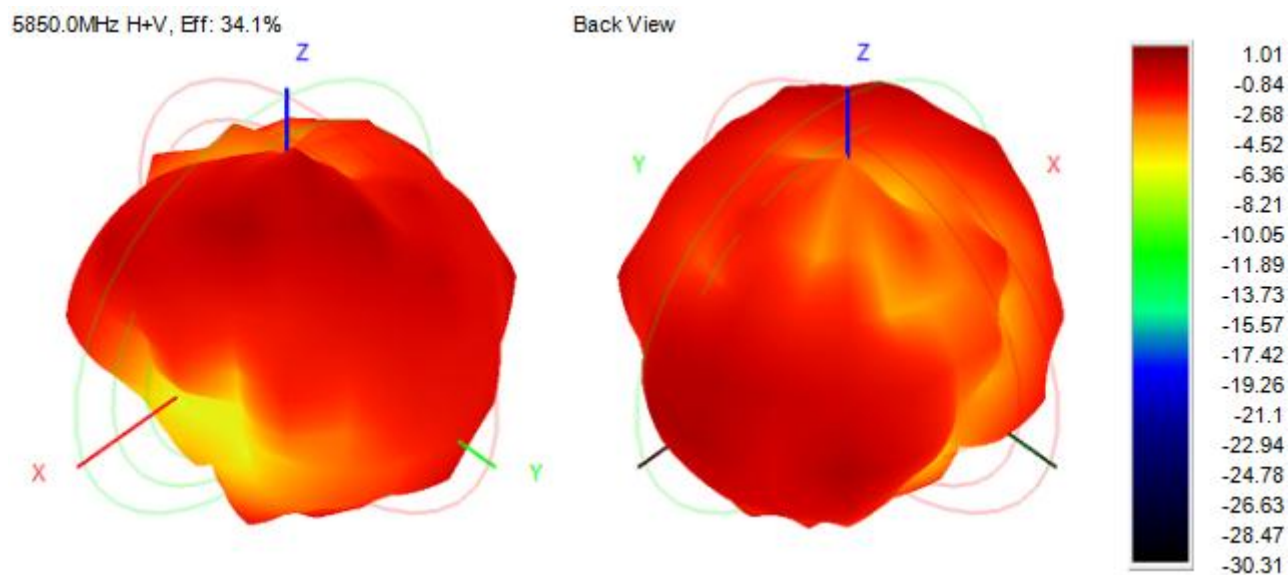
2. Test Result

2.4 WIFI Antenna Gain/Efficiency/3D DATA



2. Test Result

2.4 WIFI Antenna Gain/Efficiency/3D DATA



3. Conclusions

Thank you