

深圳市亿圣邦科技有限公司

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

Customer:伟合佳

Project:36单/51单

Product: WIFI Antenna—FPC

Report date: 2022.7.12

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Checked by : Eason Huang

Approved by :



Purpose

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

Content

1. Product Overview

2. Test Result

2.1 WIFI Antenna VSWR/S11

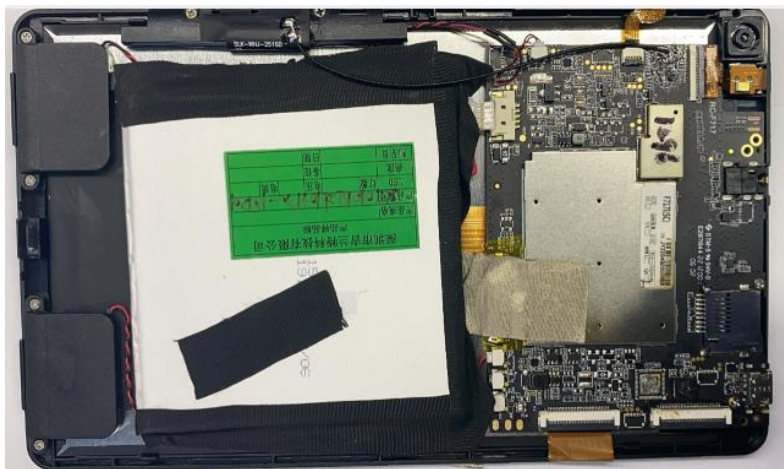
2.2 Antenna Parameters

2.3 WIFI Antenna TRP/TIS

2.4 WIFI Antenna Gain/Efficienc/3D DATE

3. Conclusions

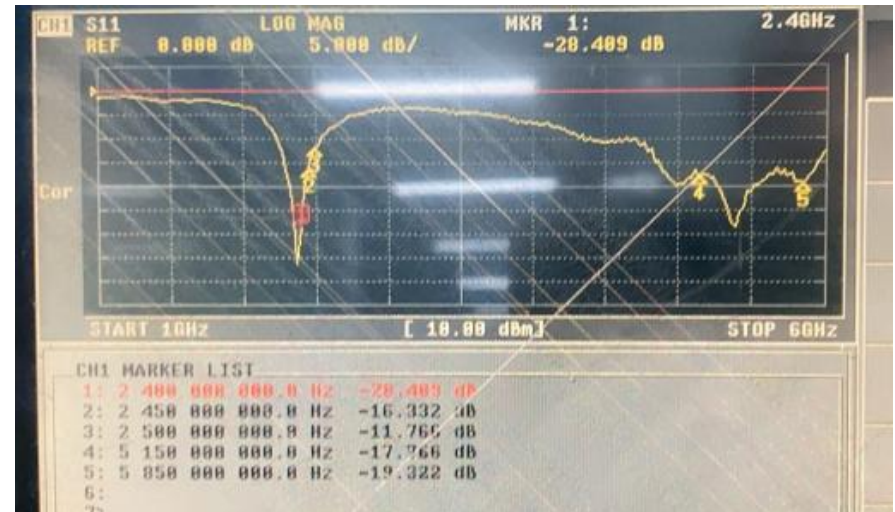
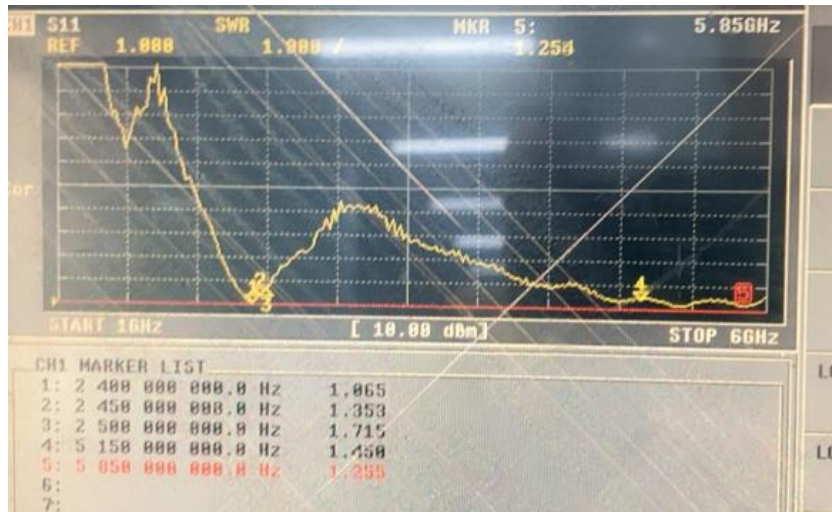
1. Product Overview



WIFI-天线

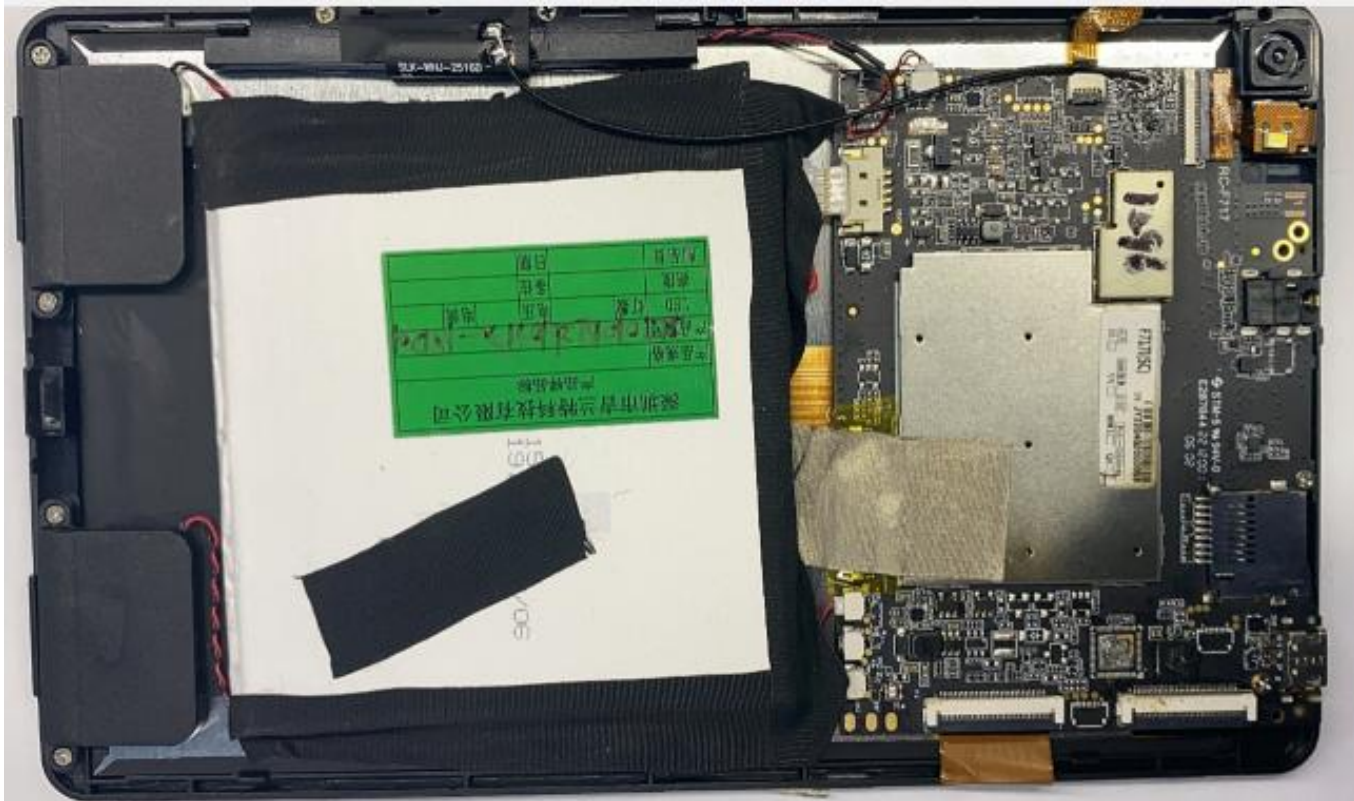
2. Test Result

2.1 WIFI Antenna VSWR/S11



2. Test Result

2.2 Antenna Parameters



2. Test Result

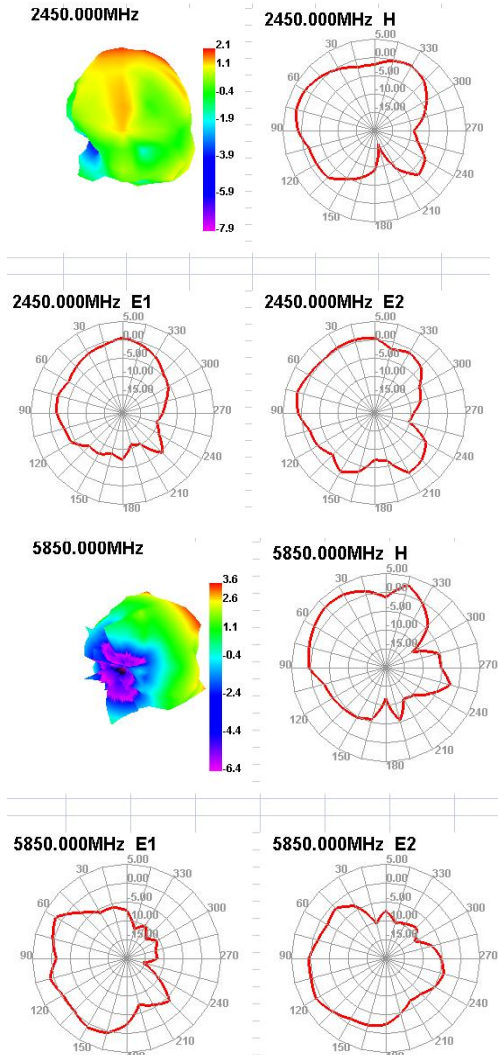
2.3 WIFI Antenna TRP/TIS

WIFI	CH	功率(54M)	灵敏度(54M)	WIFI	CH	功率(54M)	灵敏度(54M)
802.11a	36	10.5	-69.5	802.11g	1	10.8	-66.2
	149	8.4	-68.7		6	11.5	-67.6
	165	9.6	-68.5		11	11.8	-68.2
WIFI	CH	功率(11M)	灵敏度(11M)	WIFI	CH	功率(MCS7)	灵敏度(MCS7)
802.11b	1	12.2	-82.3	802.11n	1	11.2	-64.3
	6	12.5	-81.7		6	11.4	-64.5
	11	12.8	-81.6		11	11.7	-65.2

2. Test Result

2.4 WIFI Antenna Gain/Efficiency/3D DATE

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	54.27	-2.65	2.23
2410	52.74	-2.78	2.14
2420	56.05	-2.51	2.51
2430	47.63	-3.22	1.71
2440	52.56	-2.79	2.04
2450	52.14	-2.83	2.08
2460	57.12	-2.43	2.41
2470	46	-3.37	1.4
2480	54.66	-2.62	2.11
2490	45.39	-3.43	1.36
2500	54.42	-2.64	2.1
5150	46.94	-3.28	2.62
5350	47.22	-3.26	3.18
5500	50.44	-2.97	3.62
5650	53.19	-2.74	2.53
5850	54.29	-2.65	3.61





3. Conclusions

Thank you