

深圳市亿圣邦科技有限公司

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

Customer: 科金明

Project:508

Product: WIFI Antenna—FPC

Report date: 2022.8.23

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Approved by :

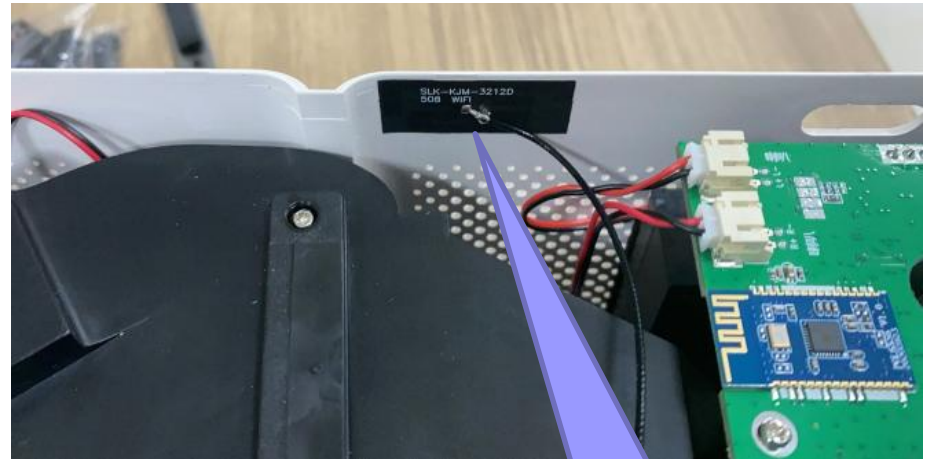
Purpose

This report is to measure the performance of SLK for Master Antenna on 科金明. 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-Antenna

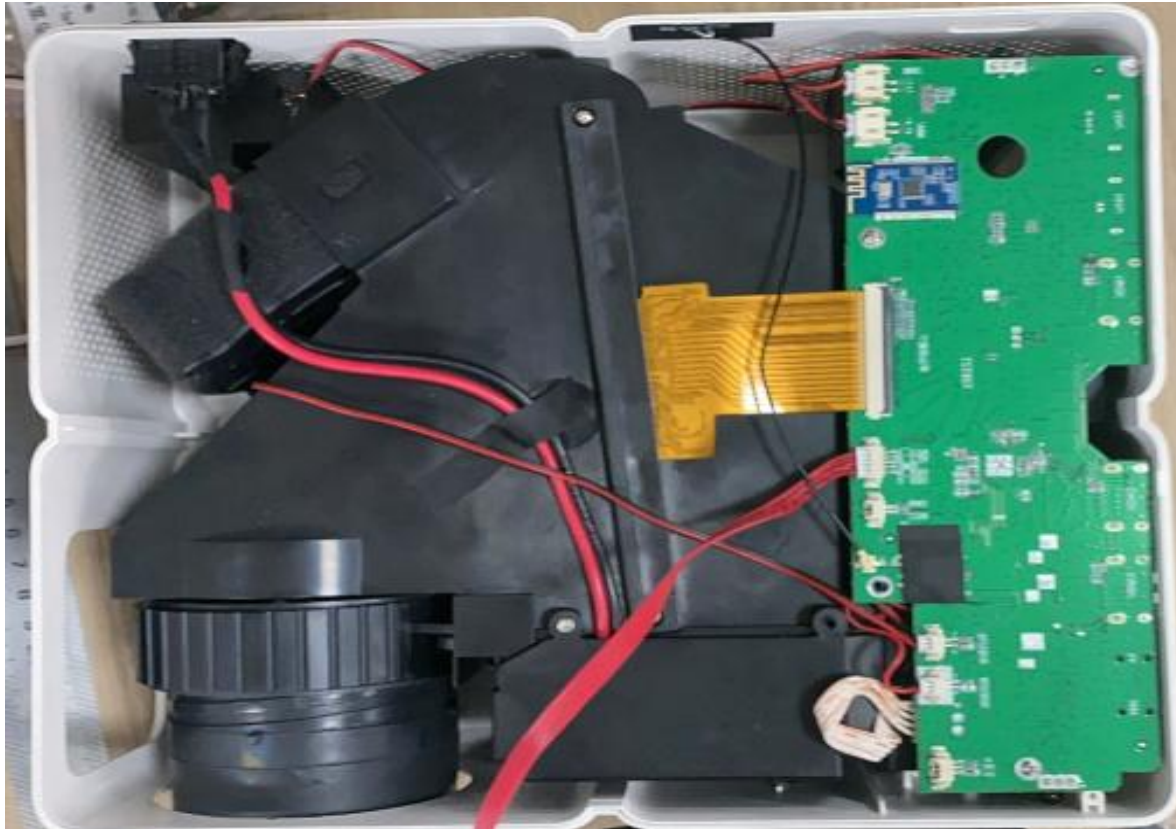
2. Test Result

2.1 WIFI Antenna VSWR/S11



2. Test Result

2.2 Antenna Parameters



2. Test Result

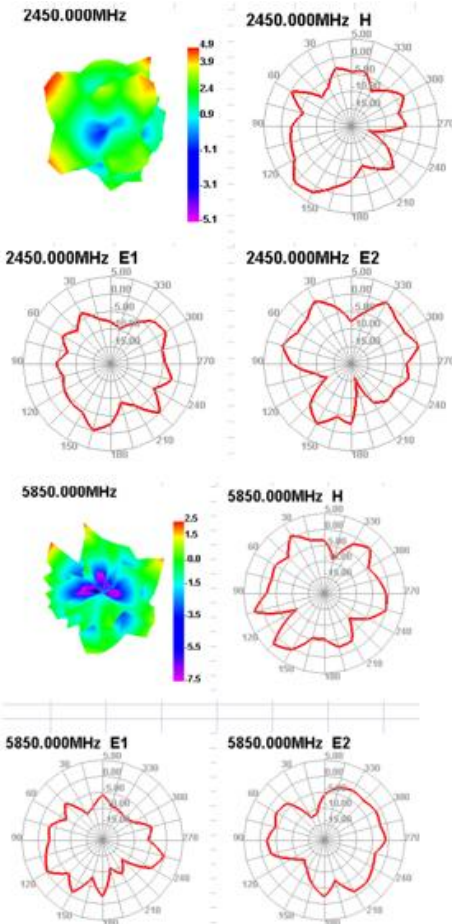
2.3 WIFI Antenna TRP/TIS

WIFI	CH	Power (54M)	sensitivity (54M)	WIFI	CH	Power (54M)	sensitivity (54M)
802.11a	36	11.6	-70.3	802.11g	1	12.4	-64.5
	149	11.2	-70.5		6	12.2	-65.2
	165	11.4	-70.6		11	12.7	-65.6
WIFI	CH	Power (11M)	sensitivity (11M)	WIFI	CH	Power (MCS7)	sensitivity (MCS7)
802.11b	1	12.3	-82.1	802.11n	1	11.6	-63.5
	6	12.2	-82.0		6	11.7	-63.0
	11	12.6	-82.5		11	12.0	-63.4

2. Test Result

2.4 WIFI Antenna Gain/Efficiency/3D DATE

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	54.89	-2.61	4.43
2410	52.14	-2.83	4.35
2420	58.18	-2.35	5.09
2430	50.52	-2.97	4.81
2440	57.17	-2.43	5.3
2450	55.95	-2.52	4.91
2460	57.34	-2.42	4.75
2470	50.58	-2.96	4.01
2480	55.33	-2.57	4.26
2490	57.19	-2.43	4.23
2500	57.58	-2.4	4.05
5150	40.82	-3.89	2.38
5350	44.31	-3.54	2.46
5500	50.22	-2.99	3.56
5650	48.92	-3.11	3.55
5850	45.08	-3.46	2.48





3. Conclusions

Thanks