

深圳市亿圣邦科技有限公司

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: 亿莱顿

Project: WF1588

WIFI : SLK-YLD-3028A1-L-220I-B

Product: WIFI Antenna—FPC

Report date: 2024.10.30

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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.

Content

1. Product Overview

2. Test Result

2.1 VSWR/S11

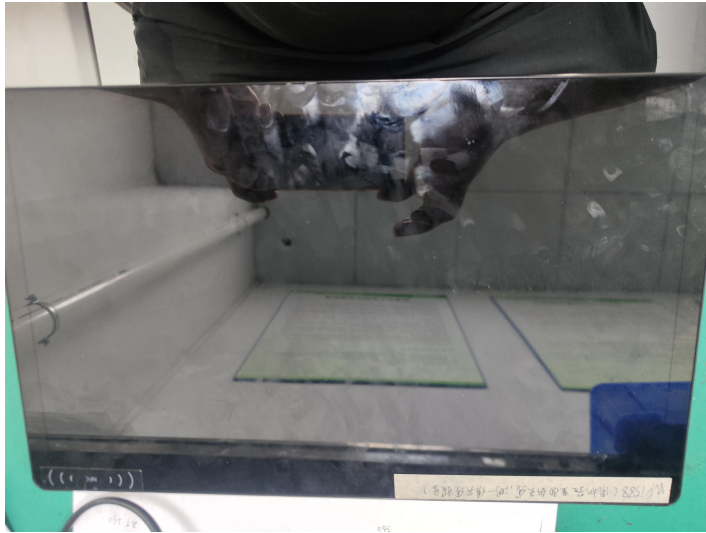
2.2 Antenna Parameters

2.3 WIFI Antenna TRP/TIS

2.4 WIFI Antenna Gain/Efficiency/3D DATA

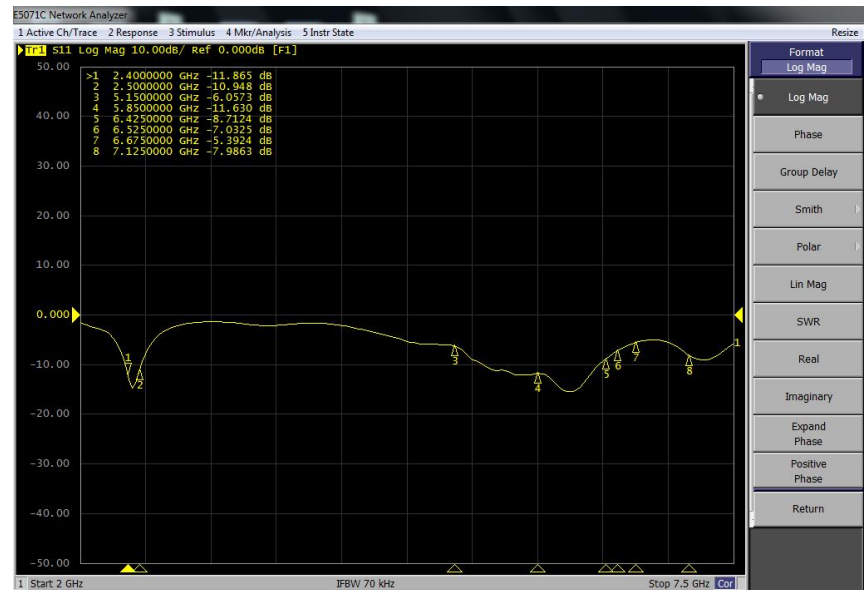
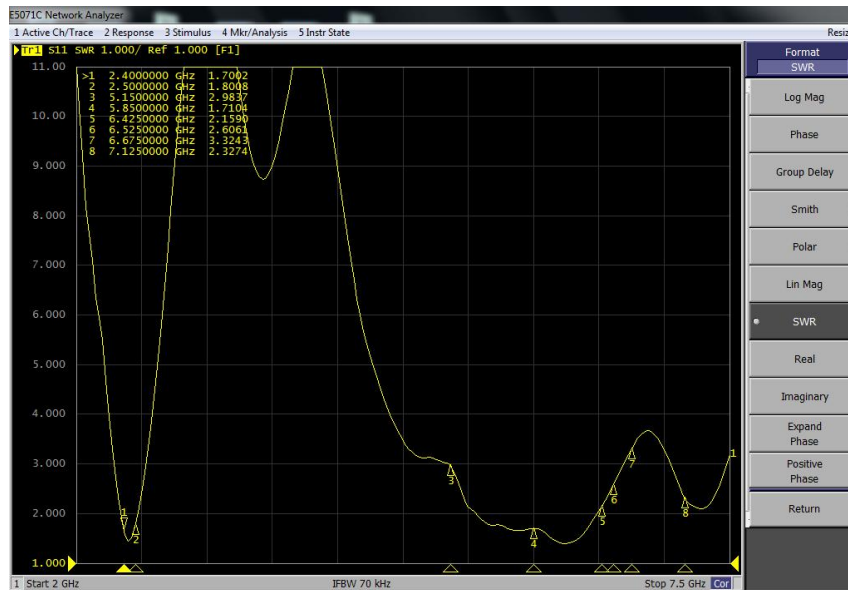
3. Conclusions

1. Product Overview



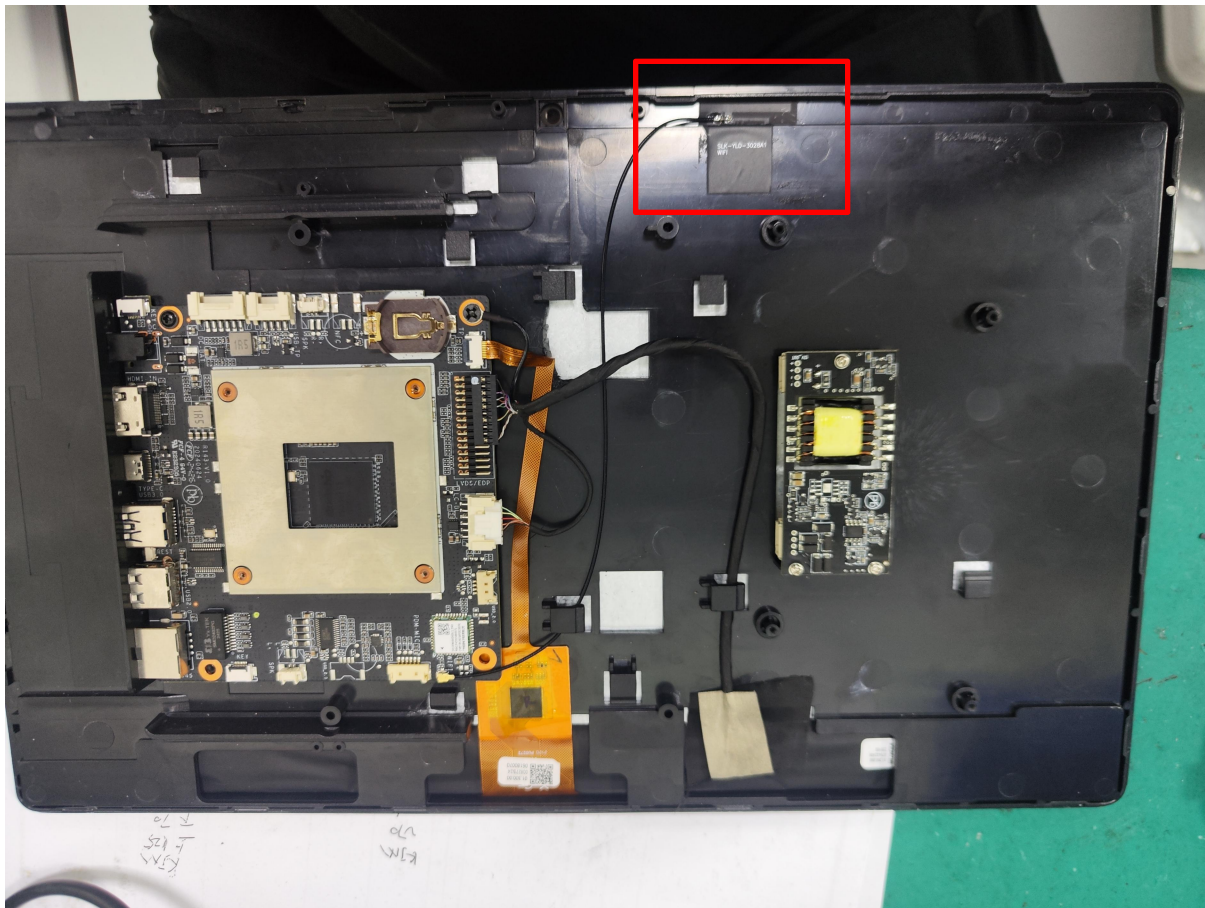
2. Test Result

2.1 VSWR/S11



2. Test Result

2.2 Antenna Parameters



2. Test Result

2.3 WIFI Antenna TRP/TIS

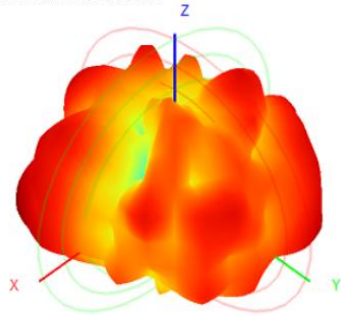
WIFI	CH	功率 (54M)	灵敏度 (54M)	A级标准 值	WIFI	CH	功率 (54M)	灵敏度 (54M)	A级标准 值
802.11a	36	10.22	-73.21	≥10 ≤-63	802.11g	1	12.22	-72.71	≥11 ≤-63
	149	10.1	-73.59			6	12.8	-73.7	
	165	10.35	-73.03			11	12.46	-73.3	
WIFI	CH	功率 (11M)	灵敏度 (11M)	A级标准 值	WIFI	CH	功率 (MCS7)	灵敏度 (MCS7)	A级标准 值
802.11b	1	14.75	-84.23	≥12 ≤-78	802.11n	1	12.11	-69.71	≥10 ≤-63
	6	14.04	-85.25			6	12.85	-70.63	
	11	14.05	-85.44			11	12.21	-68.33	

2. Test Result

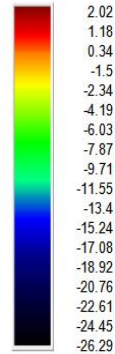
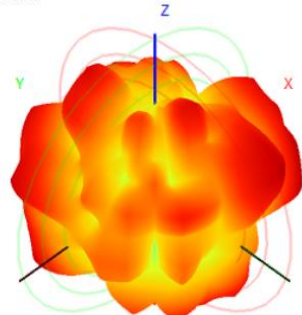
2.4 WIFI Antenna Gain/Efficiency/3D DATA

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)	-3.24	-2.95	-2.94	-2.94	-3.01	-3.10	-3.07	-3.01	-2.93	-3.01	-2.99	-3.48	-3.58	-3.80	-3.84	-3.57
Gain (dBi)	2.02	2.21	2.03	2.08	2.37	2.60	2.72	2.77	2.84	2.81	2.96	2.52	2.53	2.90	2.39	2.62
Efficiency (%)	47.46	50.66	50.80	50.84	49.97	48.96	49.28	50.03	50.96	49.97	50.26	44.81	43.76	41.63	41.25	43.88

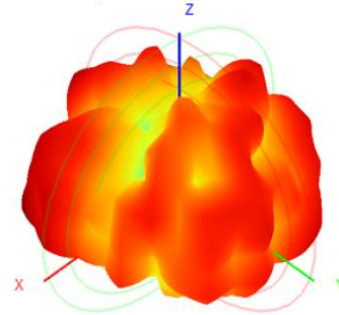
2400.0MHz H+V, Eff. 47.5%



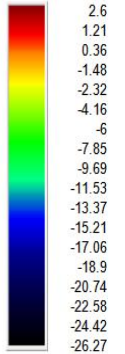
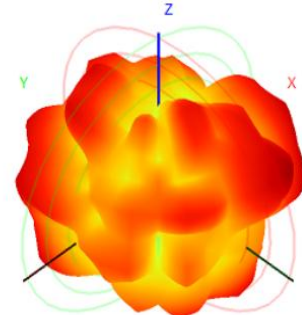
Back View



2450.0MHz H+V, Eff. 49.0%

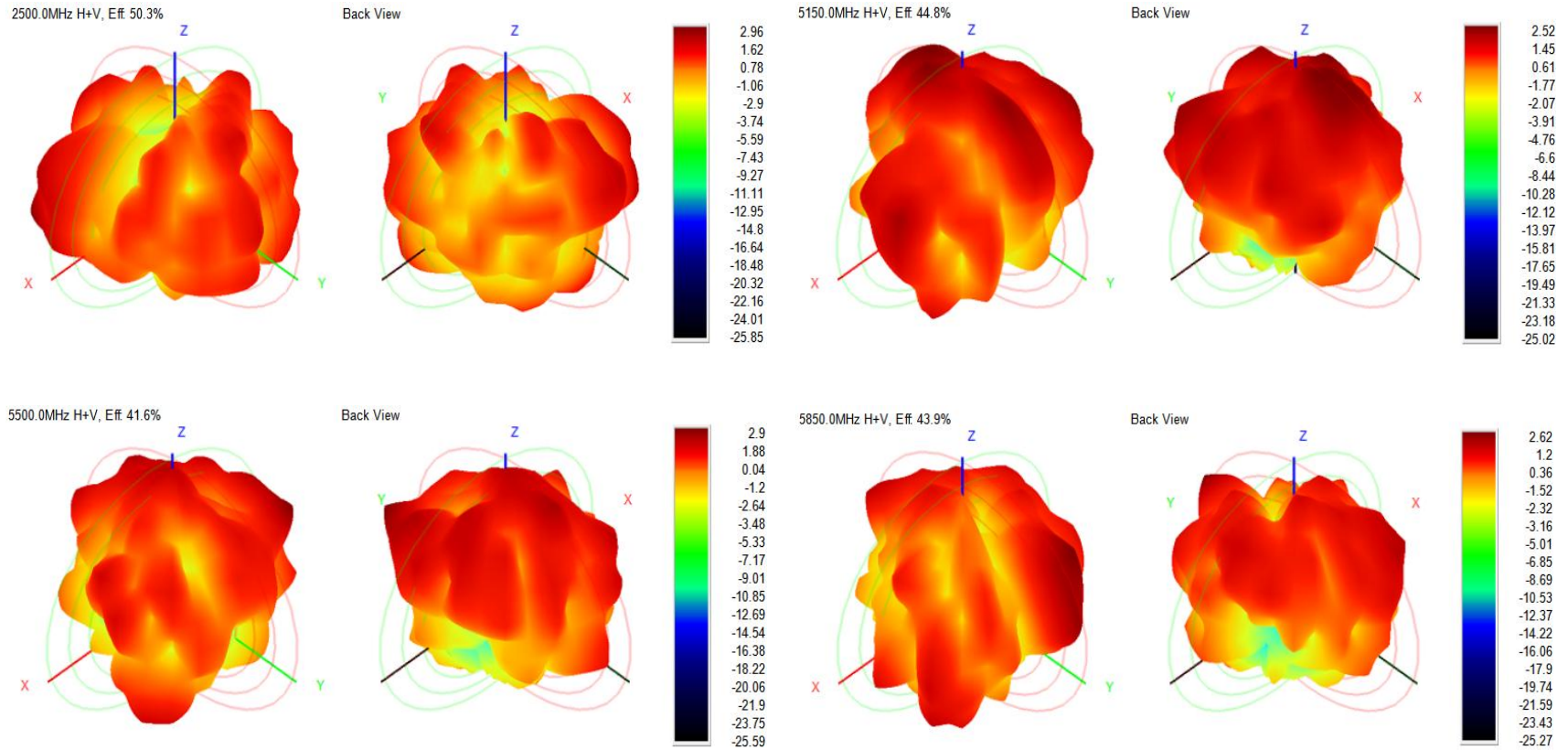


Back View



2. Test Result

2.4 WIFI Antenna Gain/Efficiency/3D DATA





3. Conclusions

Thank you