

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: WB800D80S

Product: WIFI/BT Antenna—FPC

Report date: 2023-10-08

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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

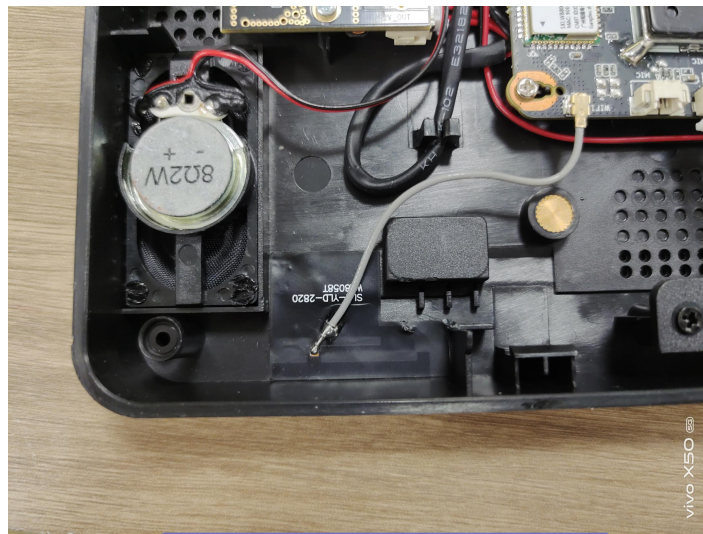
2.1 WIFI/BT Antenna VSWR/S11

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

2.3 WIFI active test

3. Conclusions

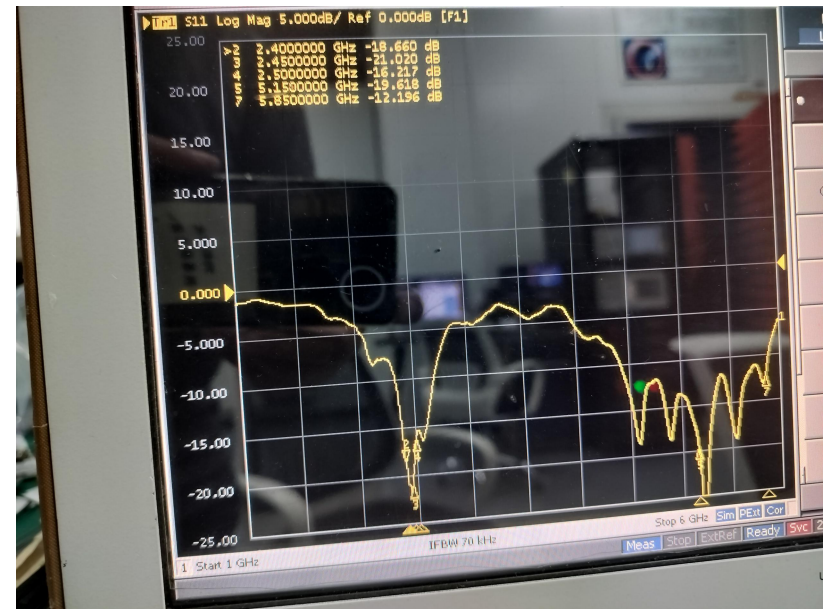
1. Product Overview



WIFI天线

2. Test Result

2.1 WIFI/BT Antenna VSWR/S11



2. Test Result

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

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-4.38	0.85	36.51
2410.0	-4.09	1.24	39.00
2420.0	-3.91	1.17	40.62
2430.0	-3.83	1.24	41.40
2440.0	-4.06	0.67	39.29
2450.0	-4.11	0.48	38.83
2460.0	-3.85	0.97	41.24
2470.0	-4.23	0.49	37.76
2480.0	-4.10	0.95	38.87
2490.0	-4.06	1.05	39.30
2500.0	-4.03	1.26	39.58
5150.0	-4.38	2.37	36.50
5350.0	-3.92	2.59	40.53
5550.0	-4.16	2.61	38.34
5750.0	-4.28	2.83	37.30
5850.0	-3.97	2.30	40.06

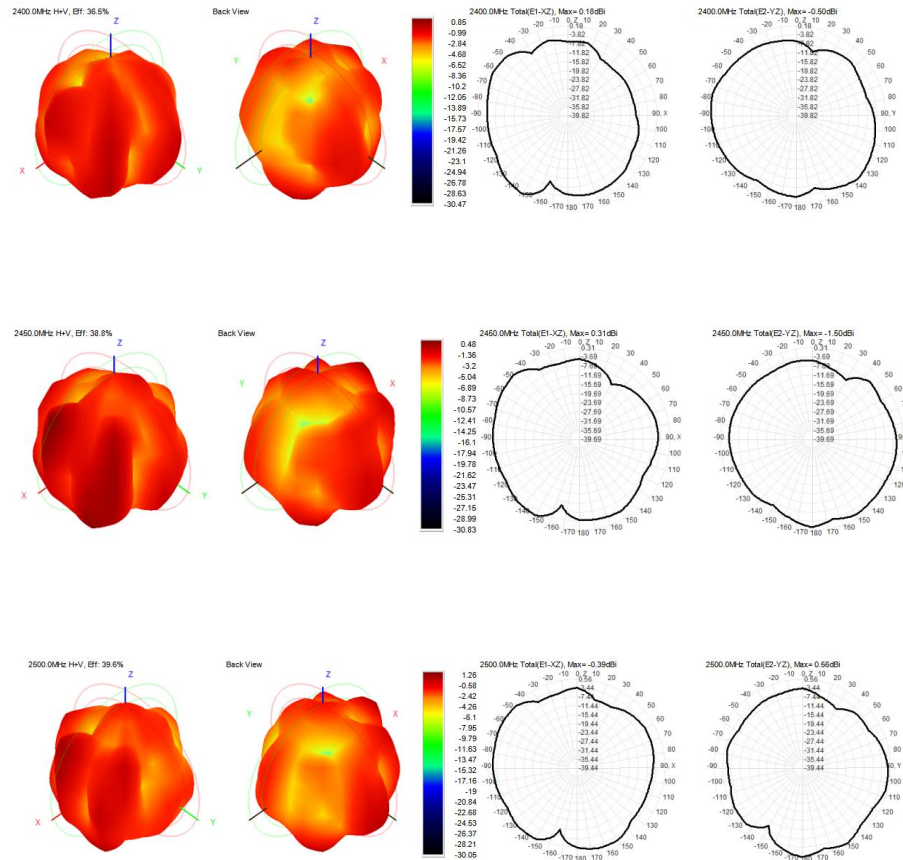
2. Test Result

2.3 WIFI active test

WIFI有源测试			
频段	1	6	11
B-TRP-11Mbps	13.26	13.51	13.56
B-TIS-11Mbps	-78.35	-78.13	-79.39
G-TRP-54Mbps	13.7	13.06	13.05
G-TIS-54Mbps	-66.01	-65.49	-66.23
N-TRP-MCS7	13.14	13.31	13.41
N-TIS-MCS7	-63.35	-63.07	-63.22
频段	36	149	165
A-TRP-54Mbps	12.72	13.23	13.46
A-TIS-54Mbps	-70.91	-70.55	-71.15

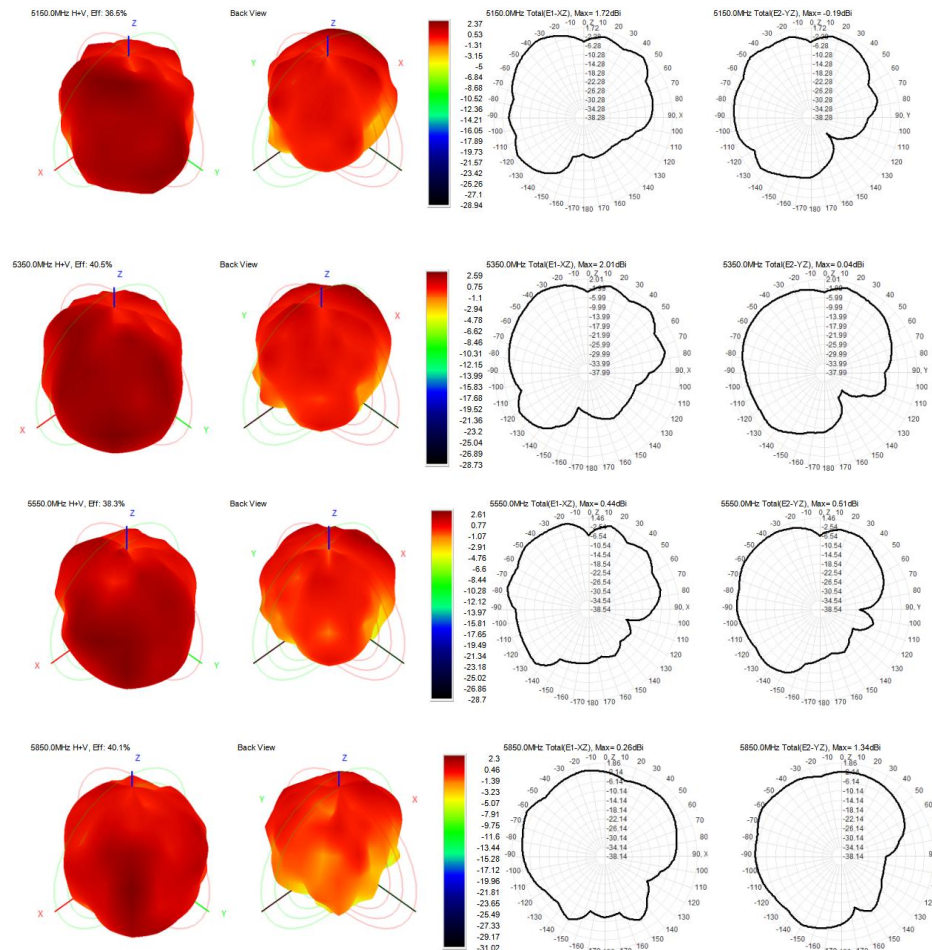
2. Test Result

2.3 WIFI 1 Antenna Gain/Efficiency/3D DATE



2. Test Result

2.3 WIFI 1 Antenna Gain/Efficiency/3D DATE





3. Conclusions

Thank you