

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: WF4305

Product: WIFI Antenna—FPC

Report date: 2024-1-23

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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.

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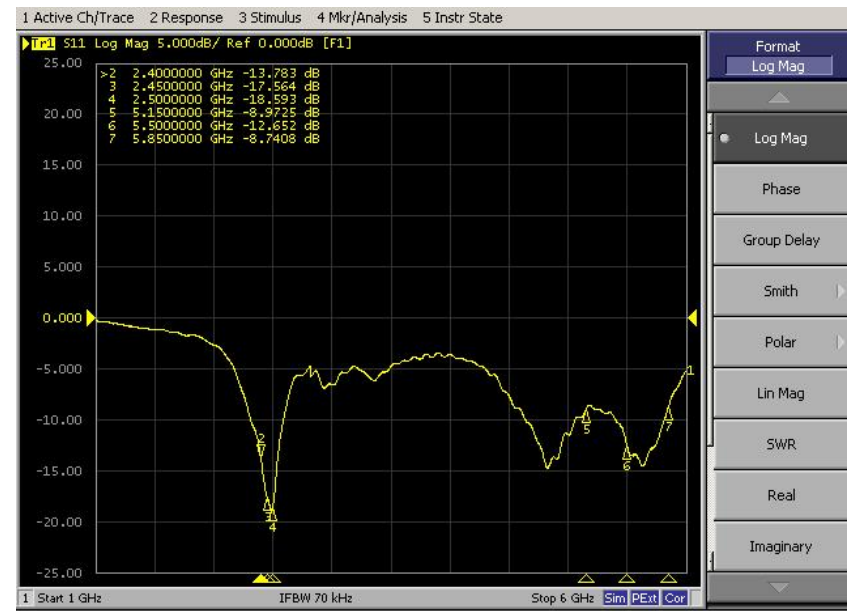
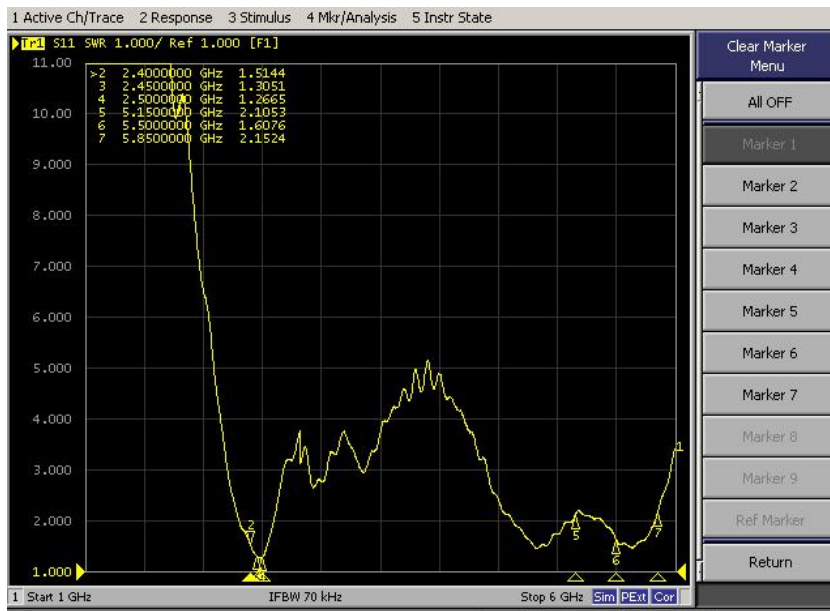
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1. Product Overview



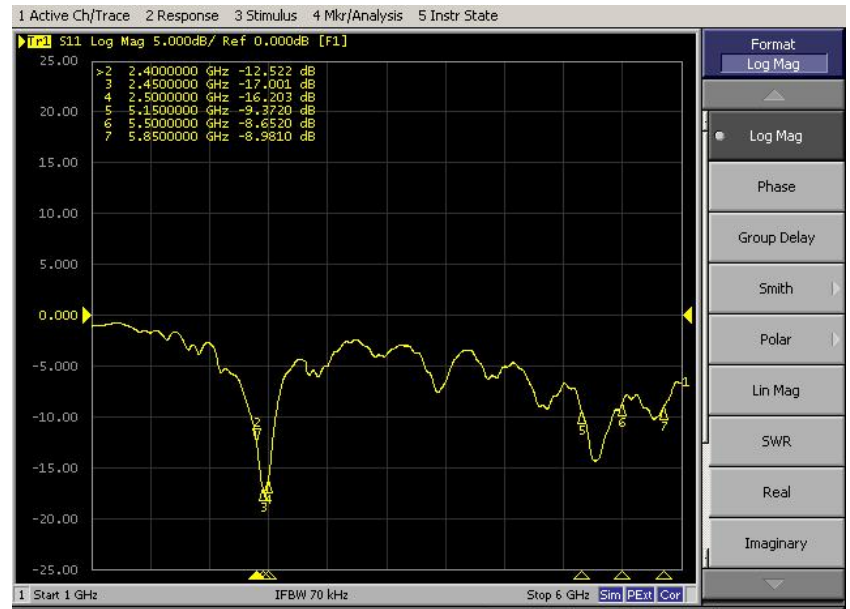
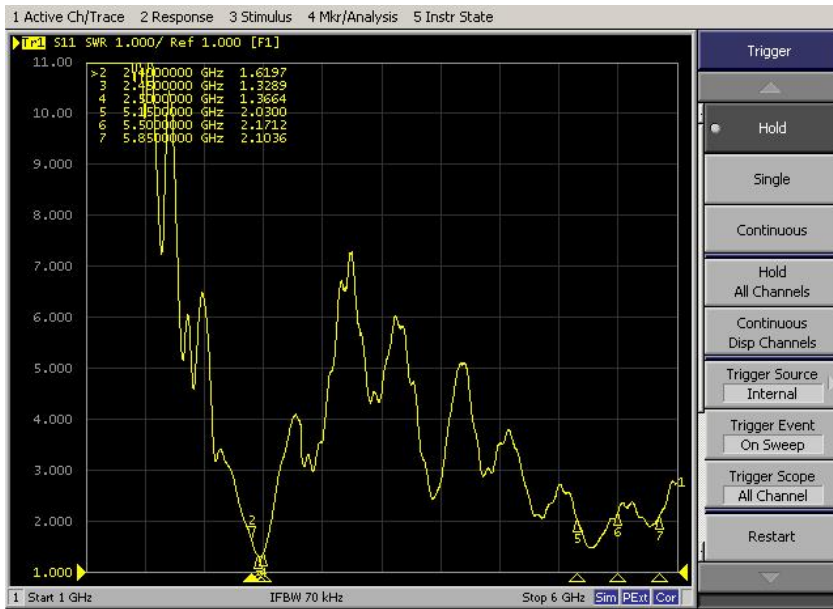
2. Test Result

2.1 WIFI 1 Antenna VSWR/S11



2. Test Result

2.1 WIFI 2 Antenna VSWR/S11



2. Test Result

2.2 WIFI 1 Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-4.49	2.35	35.58
2410.0	-4.39	2.53	36.41
2420.0	-4.49	2.90	35.58
2430.0	-4.45	2.90	35.89
2440.0	-4.45	2.62	35.93
2450.0	-4.42	2.50	36.16
2460.0	-4.25	2.24	37.59
2470.0	-4.29	2.00	37.24
2480.0	-4.54	2.18	35.19
2490.0	-4.32	2.51	36.98
2500.0	-4.30	2.56	37.16
5150.0	-4.20	1.52	38.04
5350.0	-4.17	1.08	38.32
5550.0	-4.02	1.38	39.61
5750.0	-4.03	1.33	39.53
5850.0	-4.29	1.18	37.26

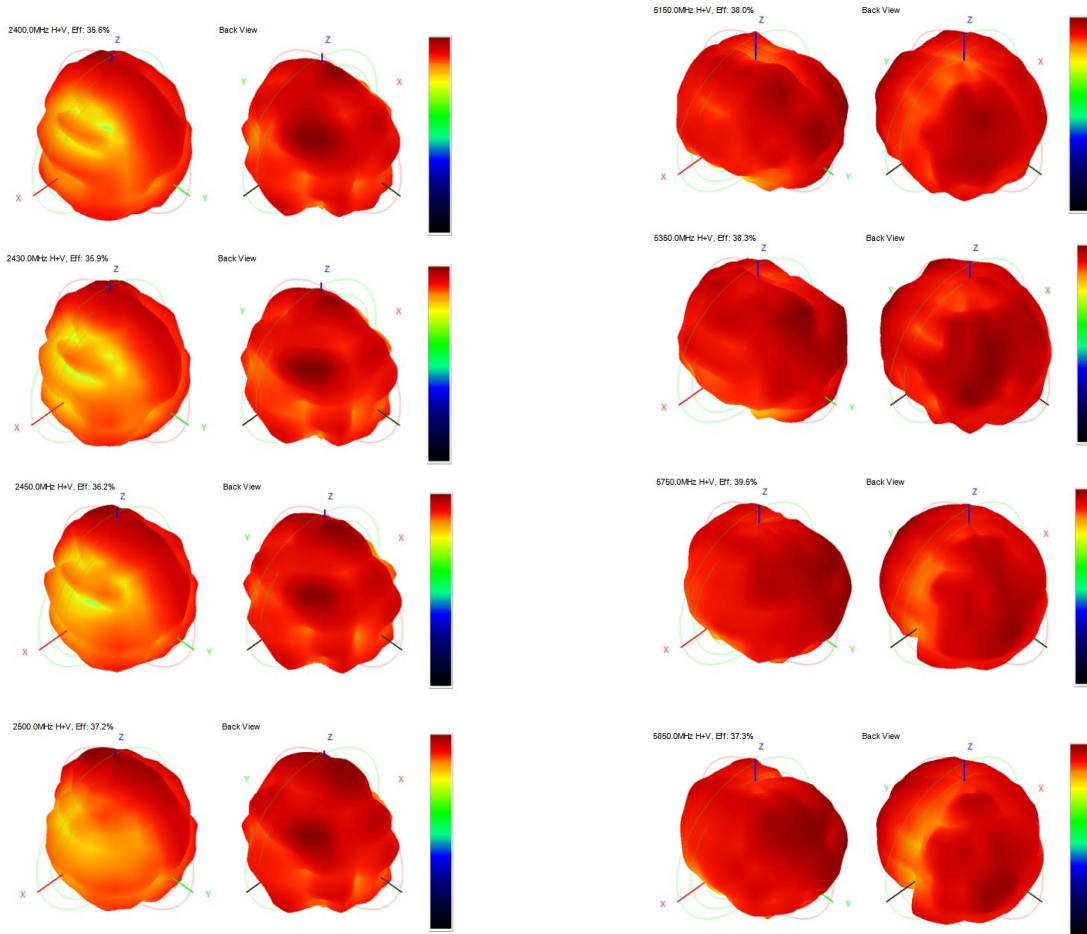
2. Test Result

2.2 WIFI 2 Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-4.54	2.26	35.15
2410.0	-4.51	2.36	35.42
2420.0	-4.43	2.04	36.02
2430.0	-4.29	2.66	37.26
2440.0	-4.27	2.62	37.38
2450.0	-4.42	2.47	36.14
2460.0	-4.47	2.30	35.69
2470.0	-4.35	1.94	36.76
2480.0	-4.35	1.87	36.71
2490.0	-4.26	1.81	37.46
2500.0	-4.22	1.88	37.83
5150.0	-4.42	0.83	36.12
5350.0	-4.31	1.49	37.08
5550.0	-4.29	2.11	37.27
5750.0	-4.15	2.14	38.49
5850.0	-4.10	2.87	38.89

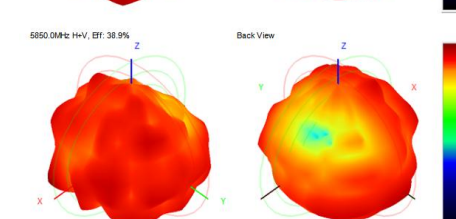
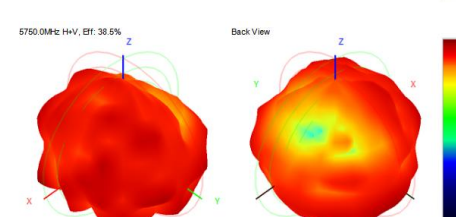
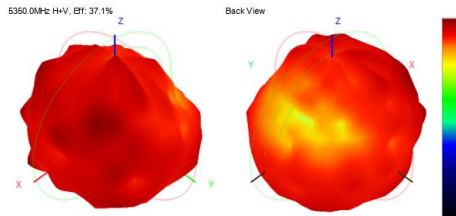
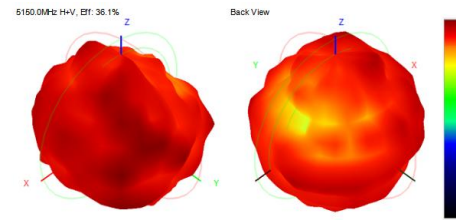
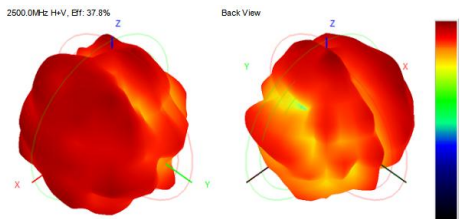
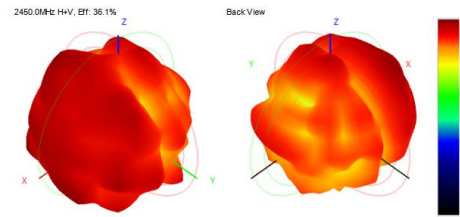
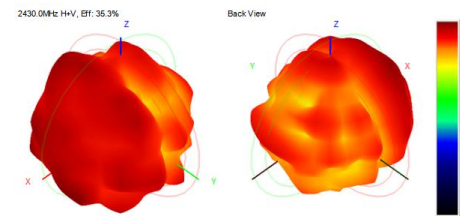
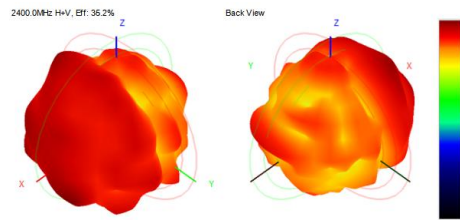
2. Test Result

2.2 WIFI 1 Antenna Gain/Efficiency/3D DATE



2. Test Result

2.2 WIFI 2 Antenna Gain/Efficiency/3D DATE



2. Test Result

2.3 WIFI active test

WIFI有源测试			
频段	1	6	11
B-TRP-11Mbps	12.18	12.43	12.62
B-TIS-11Mbps	-78.11	-80.37	-79.07
G-TRP-54Mbps	13.17	13.47	13.89
G-TIS-54Mbps	-70.89	-71.16	-70.95
N-TRP-MCS7	13.13	13.47	13.94
N-TIS-MCS7	-69.64	-70.57	-69.56
频段	36	149	165
A-TRP-54Mbps	12.57	13.65	13.27
A-TIS-54Mbps	-71.84	-69.41	-69.81

3. Conclusions

Thank you