Shenzhen Yishengbang Technology Co., Ltd
Antenna Test Report

Customer:

Project: MPC45

Product: WIFI Antenna—FPC

Report date: 2023.06.09

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Checked by : Eason

Huang Approved by :

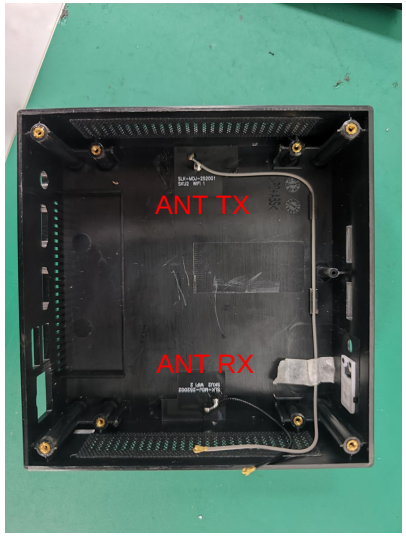
Purpose

This report is to measure the performance of SLK for Master Antenna on . 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 Gain/Efficiency/3D DATA
   2.4 WIFI Antenna Throughput
3. Conclusions

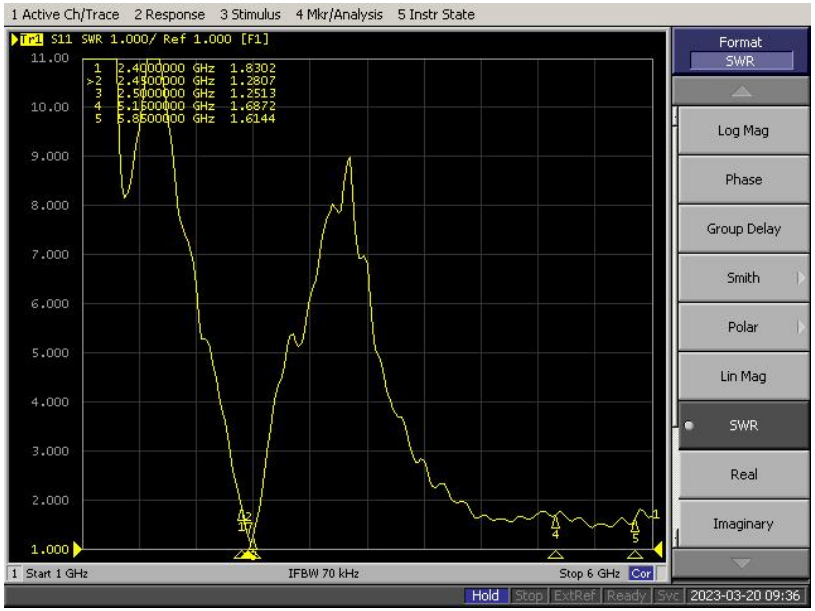
1. Product Overview

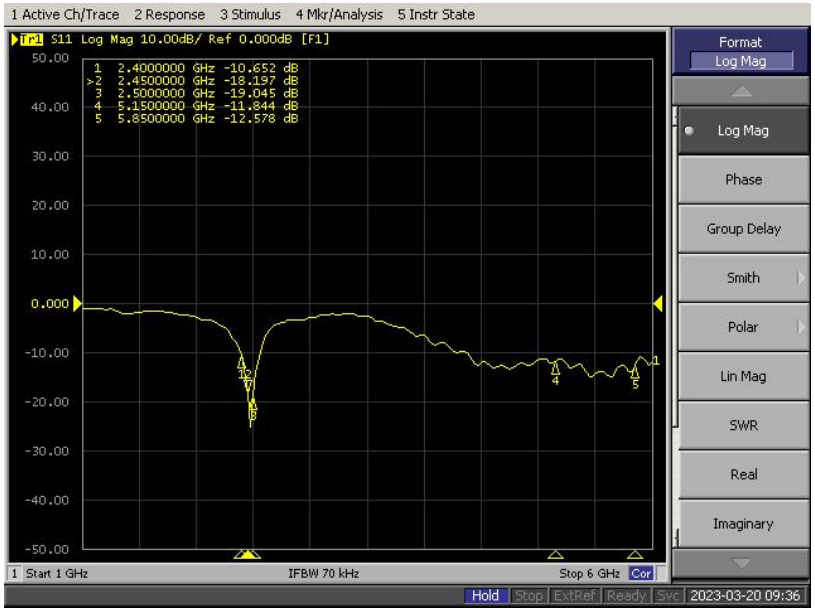


2. Test Result

2.1 VSWR/S11

WIFI 1

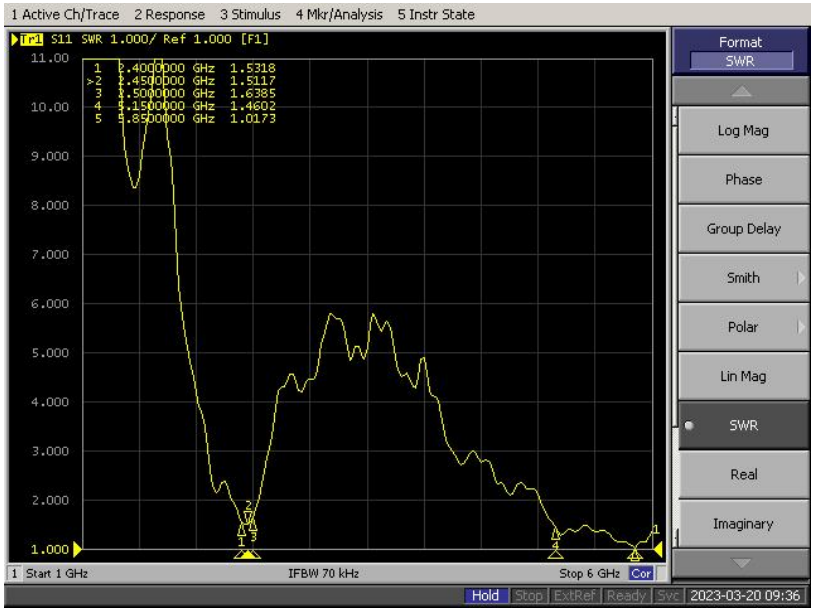


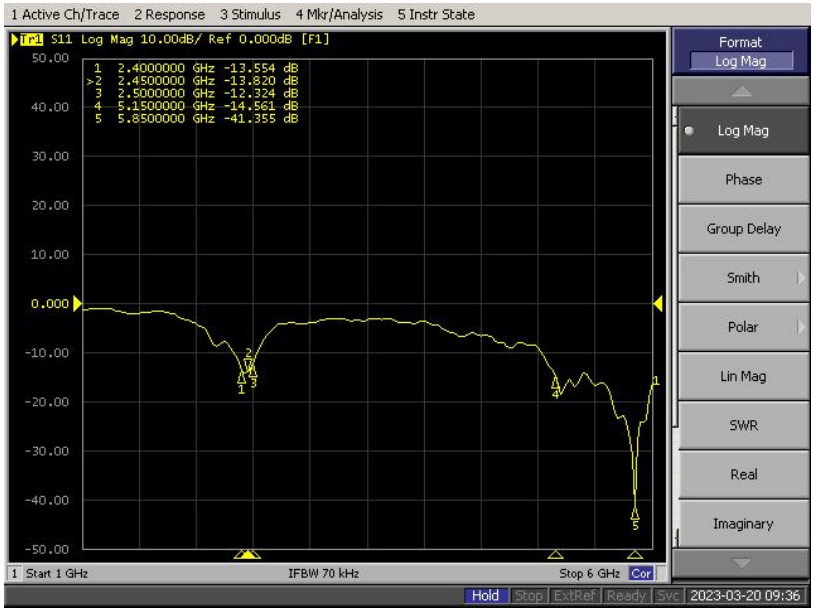


2. Test Result

2.1 VSWR/S11

WIFI 2





2. Test Result

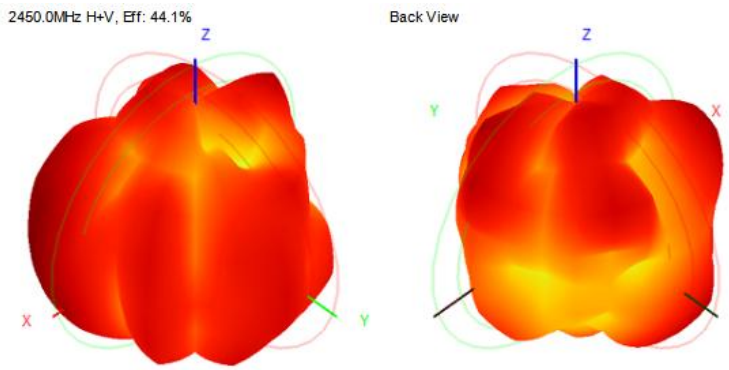
2.2 Antenna Parameters

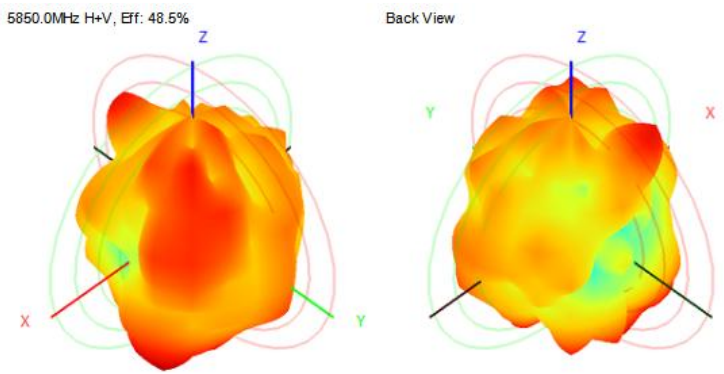
2. Test Result

2.3 WIFI Antenna Gain/Efficiency/3D DATA

WIFI 1

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)	-3.80	-3.82	-3.65	-3.60	-3.53	-3.55	-3.36	-3.49	-3.36	-3.25	-3.34	-3.76	-3.57	-3.46	-3.89	-3.14
Gain (dBi)	1.53	1.53	1.71	1.70	1.72	1.61	2.13	1.63	1.84	2.04	2.28	2.95	2.81	2.01	2.55	2.75
Efficiency (%)	41.65	41.47	43.07	43.60	44.30	44.15	46.05	44.68	46.08	47.21	46.34	42.10	43.95	45.07	40.86	48.55



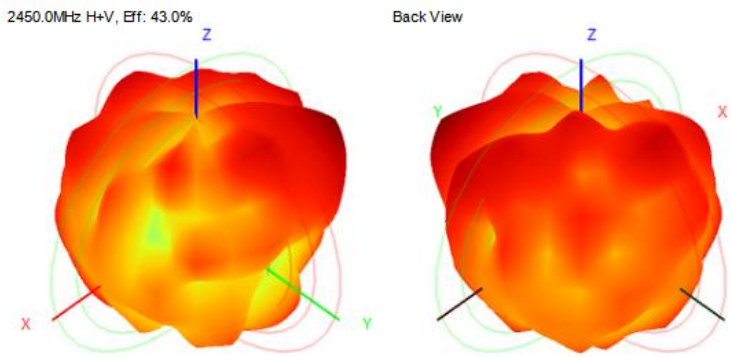


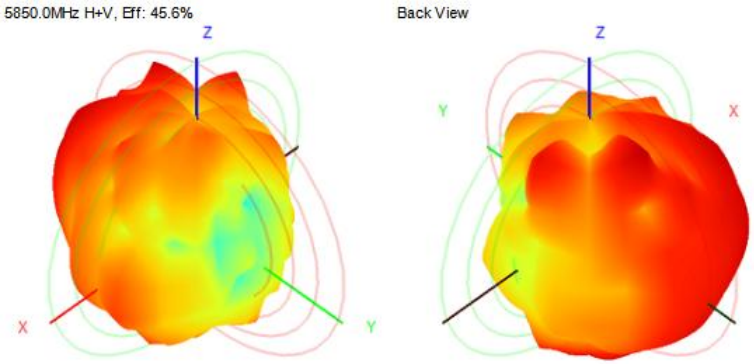
2. Test Result

2.3 WIFI Antenna Gain/Efficiency/3D DATA

WIFI 2

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)	-3.82	-3.89	-3.95	-3.90	-3.73	-3.66	-3.48	-3.43	-3.22	-3.17	-3.25	-3.76	-3.64	-3.11	-3.37	-3.41
Gain (dBi)	2.24	2.15	1.92	1.75	1.96	2.50	2.66	2.83	2.78	2.73	2.47	2.87	2.98	2.43	2.51	2.02
Efficiency (%)	41.43	40.81	40.24	40.67	42.34	42.97	44.85	45.39	47.63	48.19	47.29	42.04	43.22	48.83	46.02	45.56





2. Test Result

2.4 WIFI Antenna Throughput

2.4	2.4	5.8	5.8
82.6M	106M	255M	267M

3. Conclusions

Thank you