



The Holy bond Electronics Co., Ltd.

Antenna Test Report

Customer: ELECTRON

Project: DPF141

Product: WIFI Antenna—FPC

Report date: 2023-10-26

Address: Room 101, Building C, Qianwan Ying technology Park, Gushu, Xixiang, Baoan district, 518000, Guangdong, China



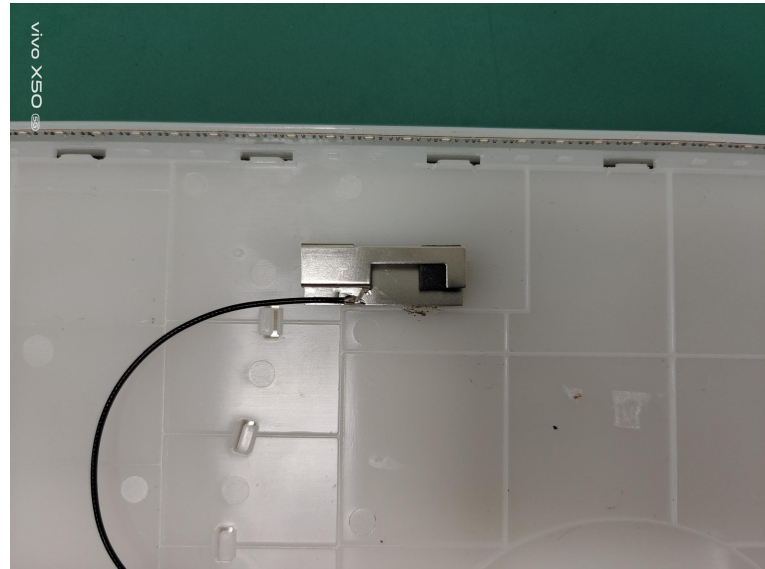
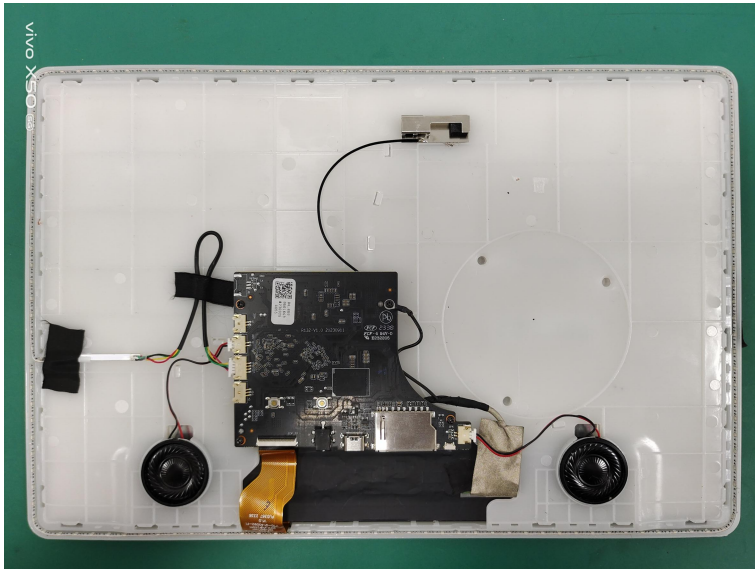
Purpose

This report is to measure the performance of SLK for Master Antenna on ELECTRON. All measure data are showed below.

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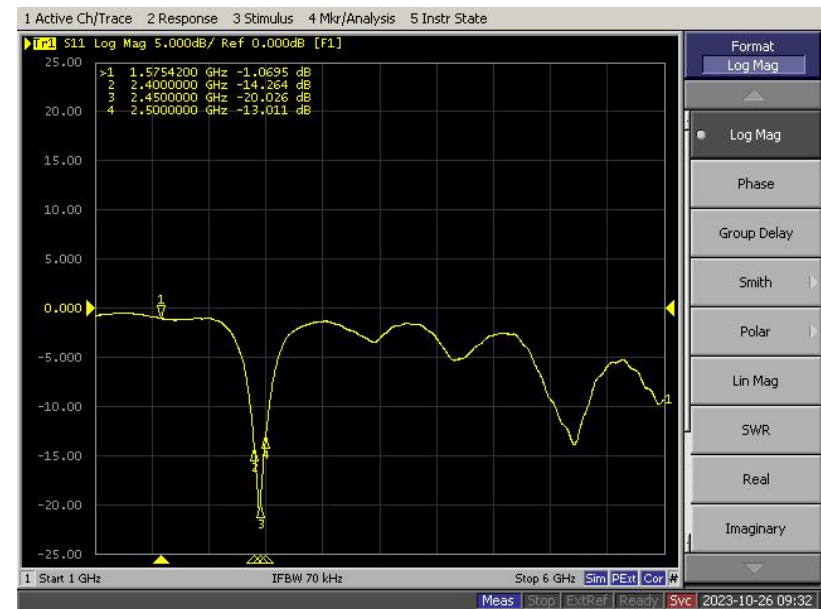
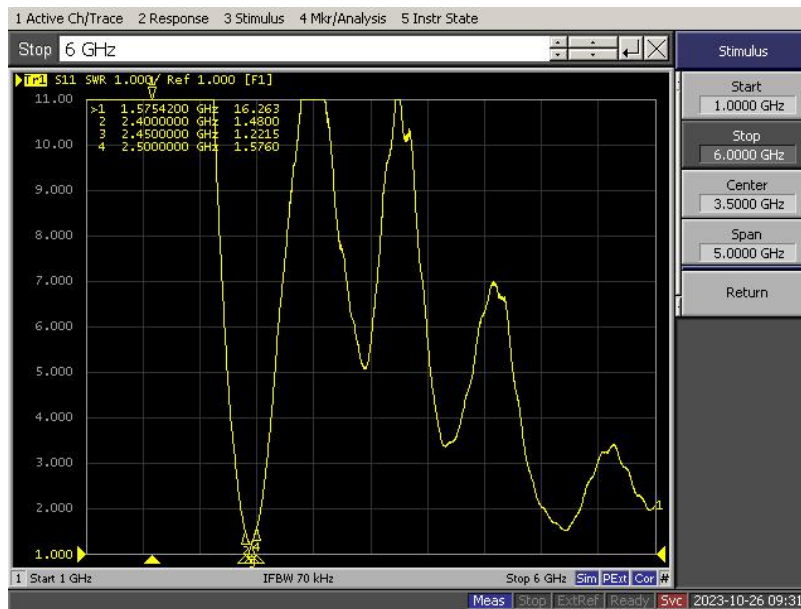
1. Product Overview



Wi-Fi ANT

2. Test Result

2.1 WIFI Antenna VSWR/S11



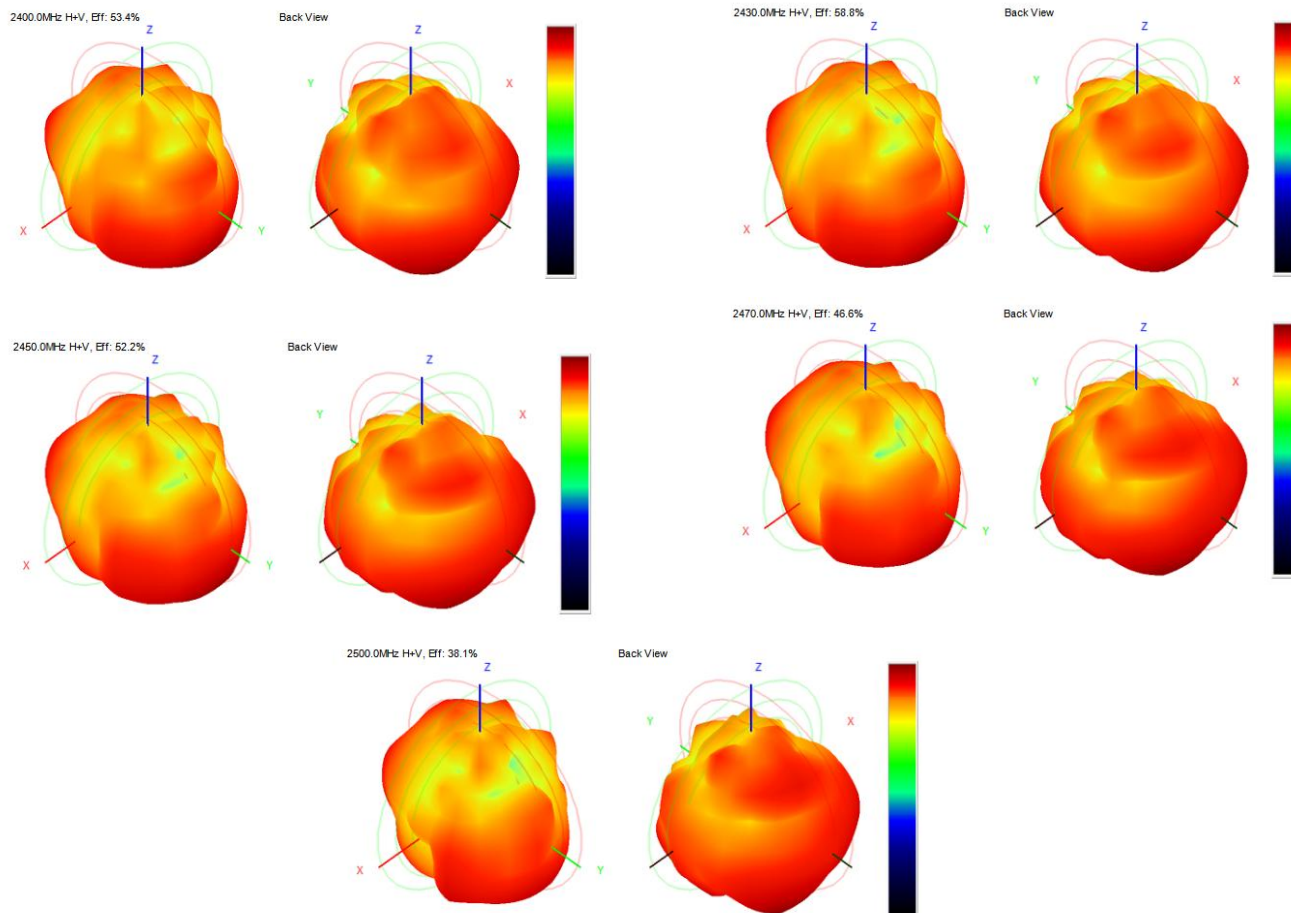
2. Test Result

2.2 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.73	2.23	53.36
2410.0	-2.45	2.15	56.89
2420.0	-2.42	2.14	57.26
2430.0	-2.30	2.08	58.82
2440.0	-2.68	2.47	53.94
2450.0	-2.82	2.52	52.22
2460.0	-2.97	2.42	50.46
2470.0	-3.32	2.00	46.59
2480.0	-3.19	2.18	47.93
2490.0	-3.63	2.17	43.35
2500.0	-4.19	1.55	38.08

2. Test Result

2.2 WIFI Antenna Gain/Efficiency/3D DATE



2. Test Result

2.3 WIFI active test

WIFI active test			
Frequency band	1	6	11
B-TRP-11MBps	16.49	15.34	14.92
B-TIS-11MBps	-80.56	-80.09	-79.03
G-TRP-54MBps	13.3	14.18	14.7
G-TIS-54MBps	-68.02	-68.23	-68.88
N-TRP-MCS7	12.81	13.41	13.49
N-TIS-MCS7	-64.53	-64.58	-65.09



3. Conclusions

Thank you