



The Holy bond Electronics Co., Ltd.

Antenna Test Report

Customer: ELECTRON

Project: DPF102

Product: WIFI Antenna—PIFA

Report date: 2023-10-26



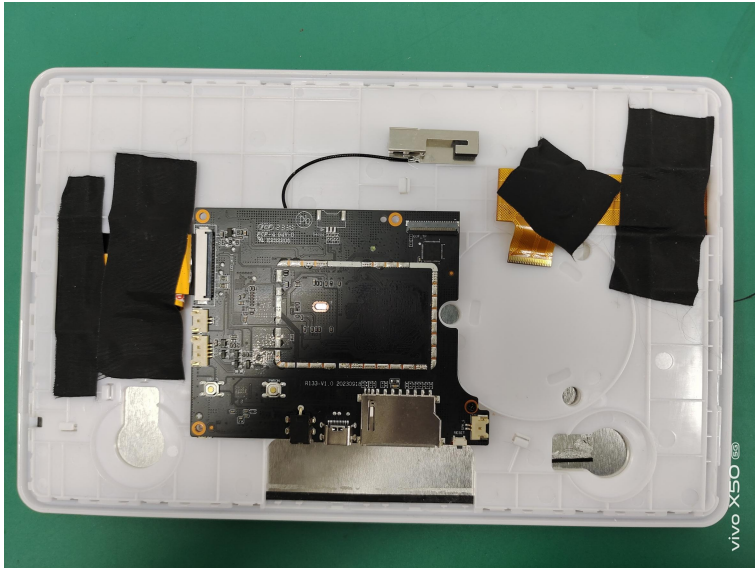
Purpose

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

Content

1. Product Overview
2. Test Result
 - 2.1 WIFI Antenna VSWR/S11
 - 2.2 WIFI Antenna Gain/Efficiency/3D DATA
 - 2.3 WIFI active test
3. Conclusions

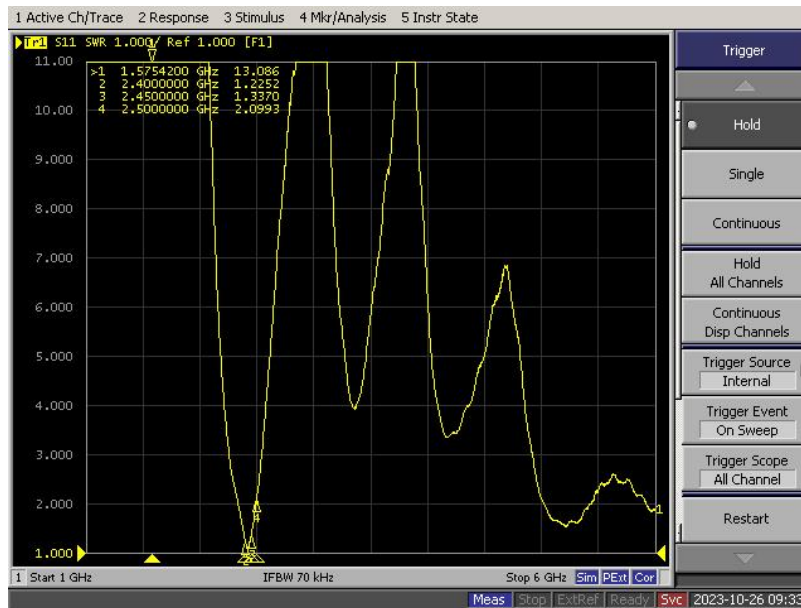
1. Product Overview



Wi-Fi ANT

2. Test Result

2.1 WIFI Antenna VSWR/S11



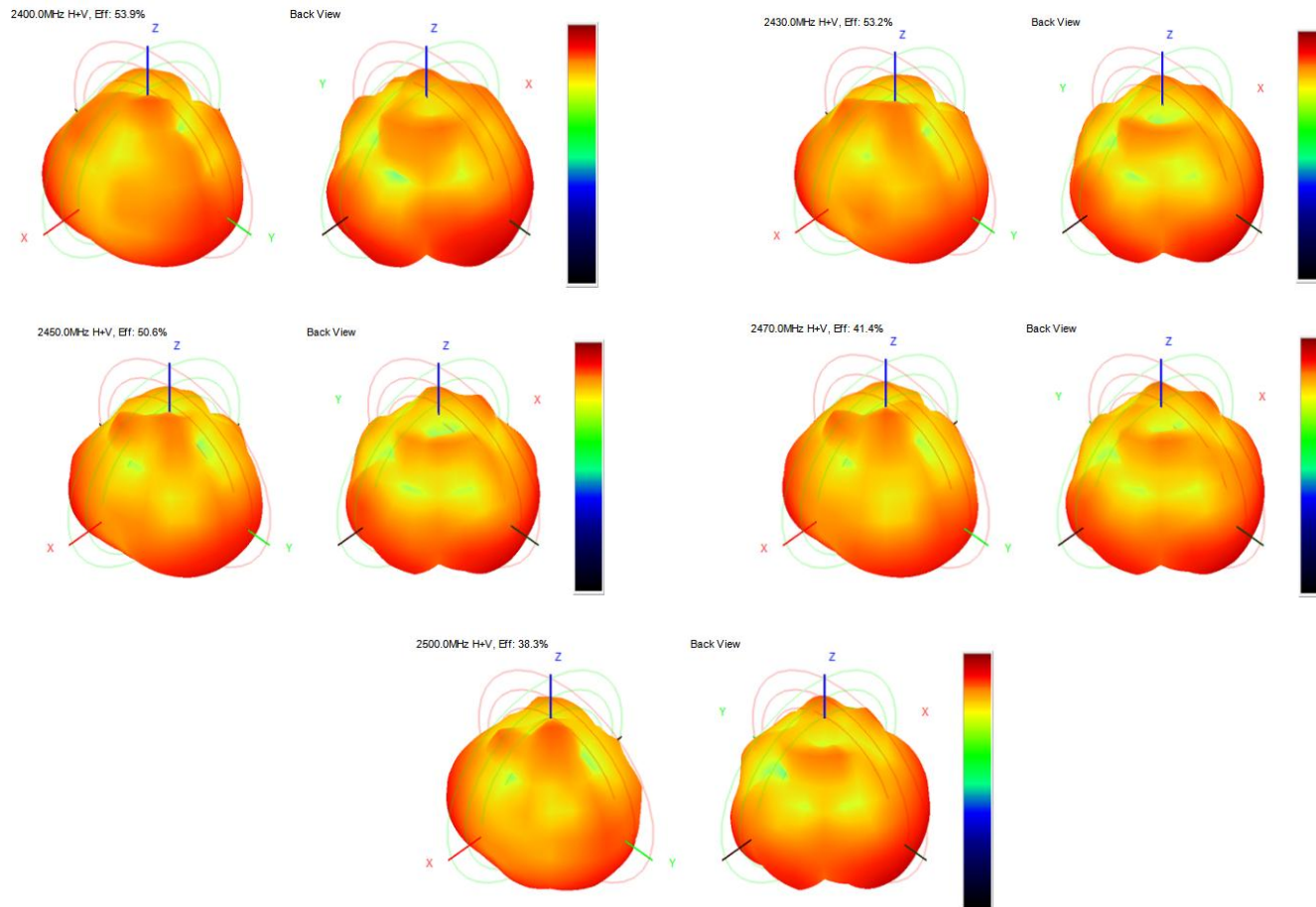
2. Test Result

2.2 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.68	2.34	53.92
2410.0	-2.69	2.50	53.84
2420.0	-2.86	2.40	51.77
2430.0	-2.74	2.61	53.20
2440.0	-3.00	2.23	50.15
2450.0	-2.96	2.41	50.56
2460.0	-3.57	2.39	43.93
2470.0	-3.83	2.57	41.44
2480.0	-4.12	2.15	39.72
2490.0	-4.54	1.59	38.19
2500.0	-4.40	1.92	38.31

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	16.42	16.02	15.82
B-TIS-11MBps	-80.83	-80.73	-79.98
G-TRP-54MBps	15.6	15.57	15.28
G-TIS-54MBps	-67.41	-68.26	-68.57
N-TRP-MCS7	15.21	15.66	15.61
N-TIS-MCS7	-64.24	-64.38	-63.64



3. Conclusions

Thank you