

# The Holy bond Electronics Co., Ltd.

## The Holy bond Electronics Co., Ltd. Antenna specification

Customer: Shengda Zhilian

Project: 21.5 inch intelligent all-in-one machine

WIFI : SLK-SDZL-T3010B-L-230IV-B

Product: WIFI Antenna

Report date: 2024.01.05

# ***Purpose***

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

## ***Content***

1. Product Overview

2. Test Result

2.1 VSWR/S11

2.2 Antenna Parameters

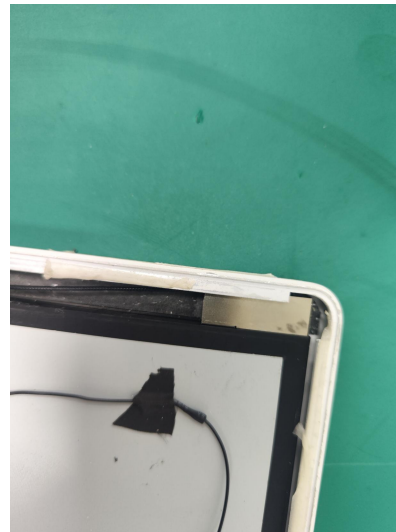
2.3 WIFI Antenna Gain/Efficiency/3D DATA

2.4 WIFI Antenna Throughput

2.5 Antenna size

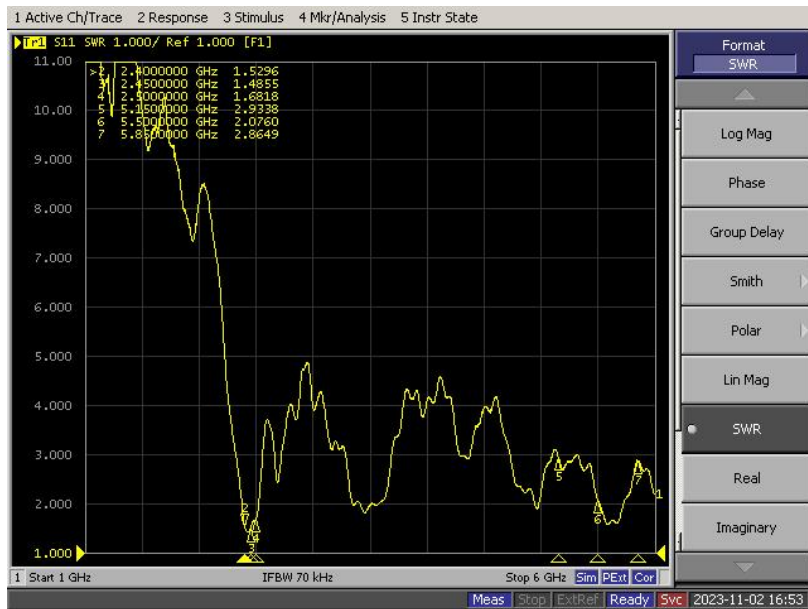
3. Conclusions

# 1. Product Overview



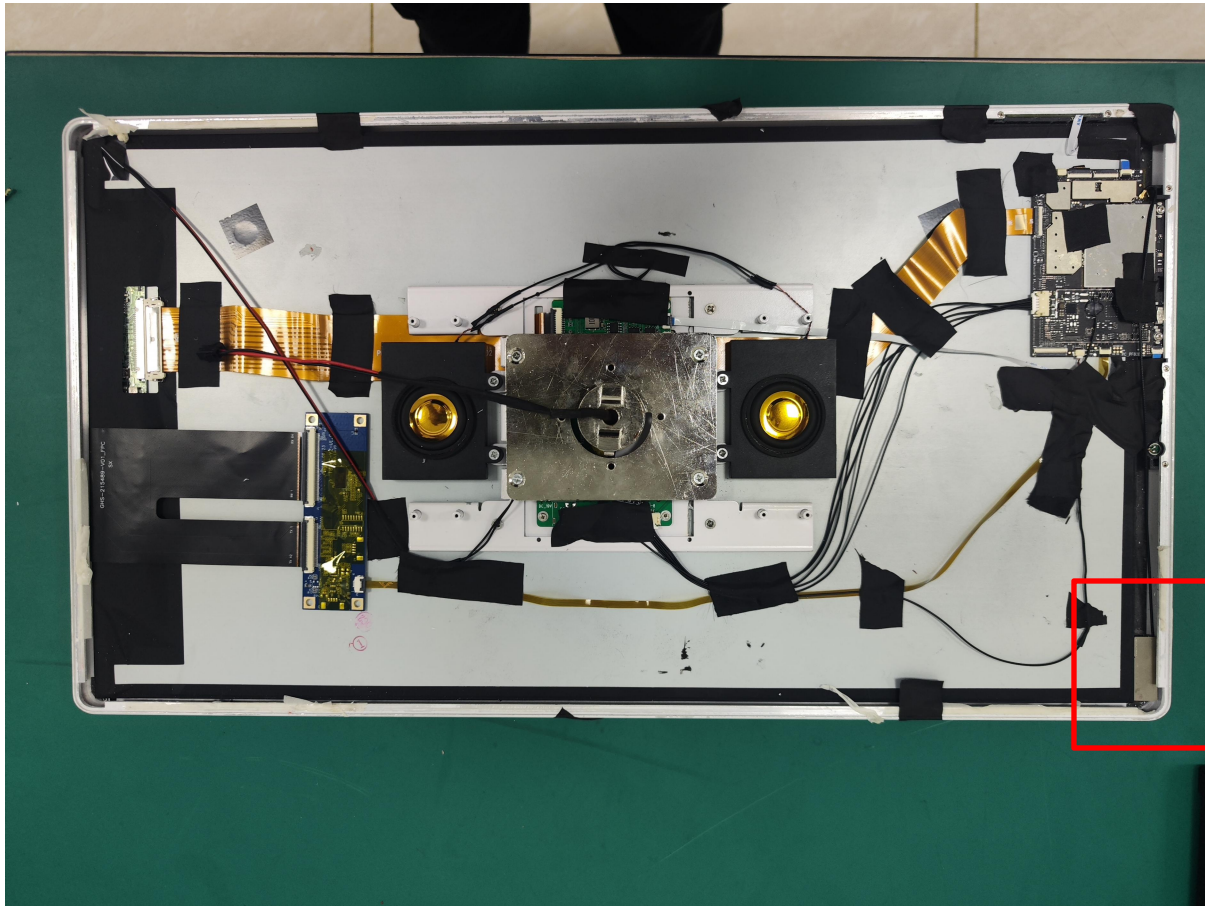
# 2. Test Result

## 2.1 VSWR/S11



## 2. Test Result

### 2.2 Antenna Parameters



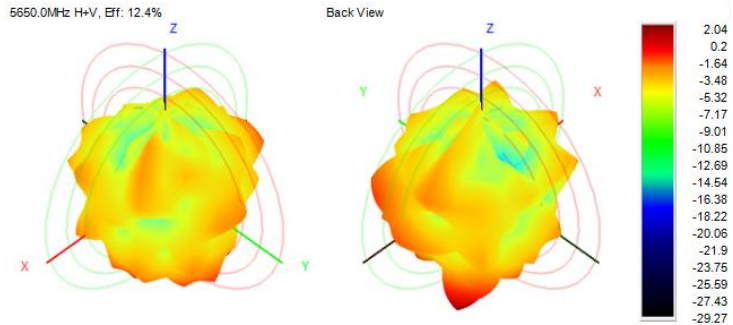
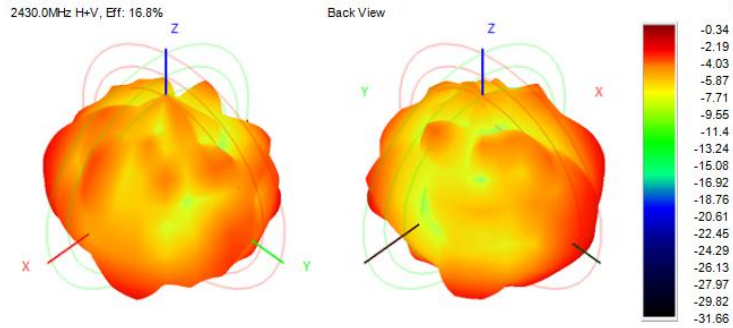
## 2. Test Result

### 2.3 WIFI Antenna Gain/Efficiency/3D DATA

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	5150	5350	5500	5650	5850
Efficiency (dBi)	-8.21	-8.22	-7.97	-7.75	-7.70	-8.11	-8.53	-9.33	-9.53	-9.72	-9.94	-8.90	-8.82	-8.52	-9.06	-8.52
Gain (dBi)	-0.36	-0.87	-0.78	-0.34	-0.64	-0.69	-1.56	-2.71	-2.80	-2.93	-3.95	-3.59	-1.07	-0.45	2.04	-0.19
Efficiency (%)	15.10	15.07	15.95	16.79	16.96	15.47	14.03	11.68	11.13	10.65	10.13	12.86	13.13	14.05	12.41	14.06

# 2. Test Result

## 2.3 WIFI Antenna Gain/Efficiency/3D DATA



## 2. Test Result

### 2.4 WIFI Antenna Throughput

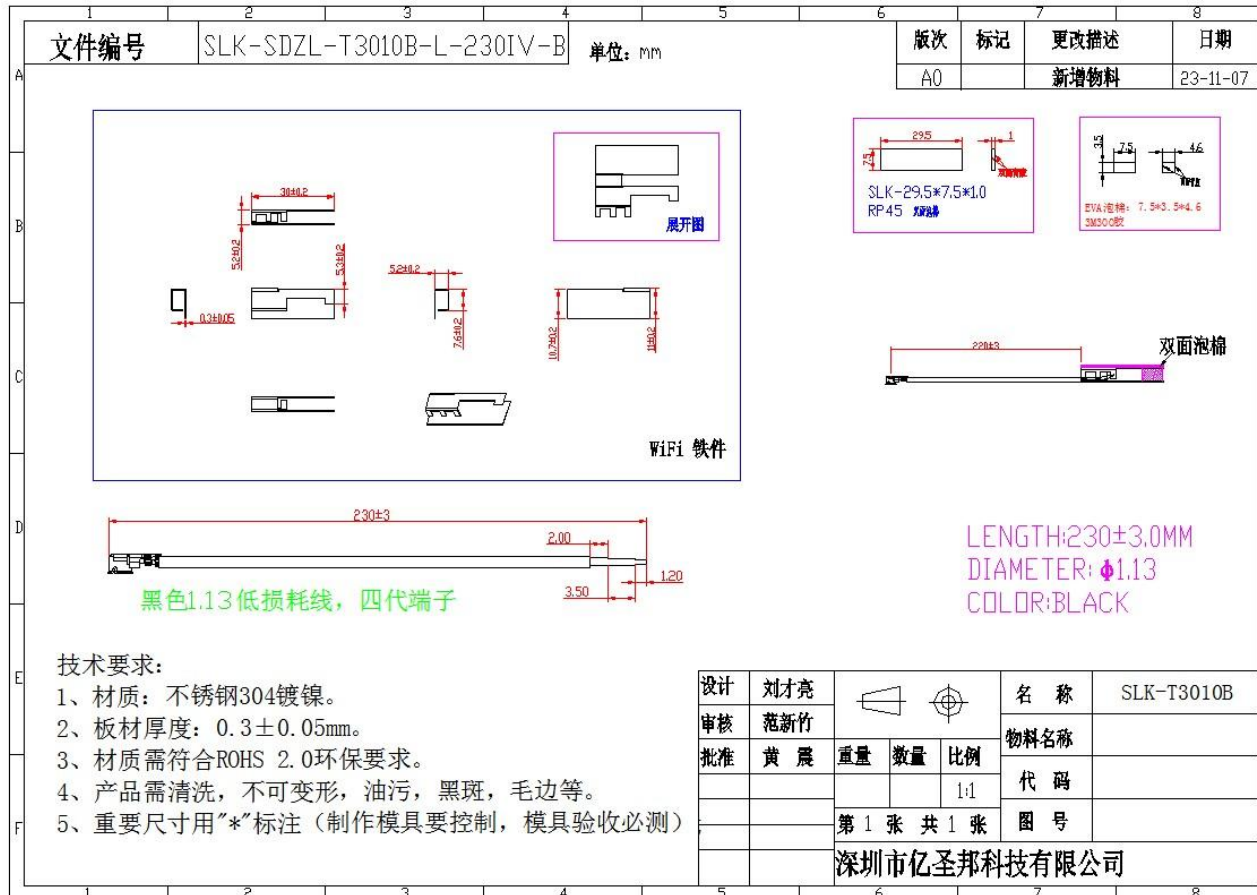
2.4upload	2.4download	5.8upload	5.8download
59.8M	65.3M	257M	277M

**Test environment: In an indoor barrier-free environment, 10M away from the router; Bluetooth 10 meters away from the router to play music without lag;**



# 2. Test Result

## 2.5 Antenna size





## 3. Conclusions

Thank you