Shenzhen Yishengbang Technology Co., LTD

The Holy bond Electronics Co., Ltd.
Antenna Test Report

Customer: TD

Project: P80T

Product: WIFI+BT Antenna—FPC

Report date: 2023-05-10

Prepared by : Chen Shilian

Checked by : Eason Huang

Approved by :

Purpose

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

Content

1. Product Overview

2.Test Result

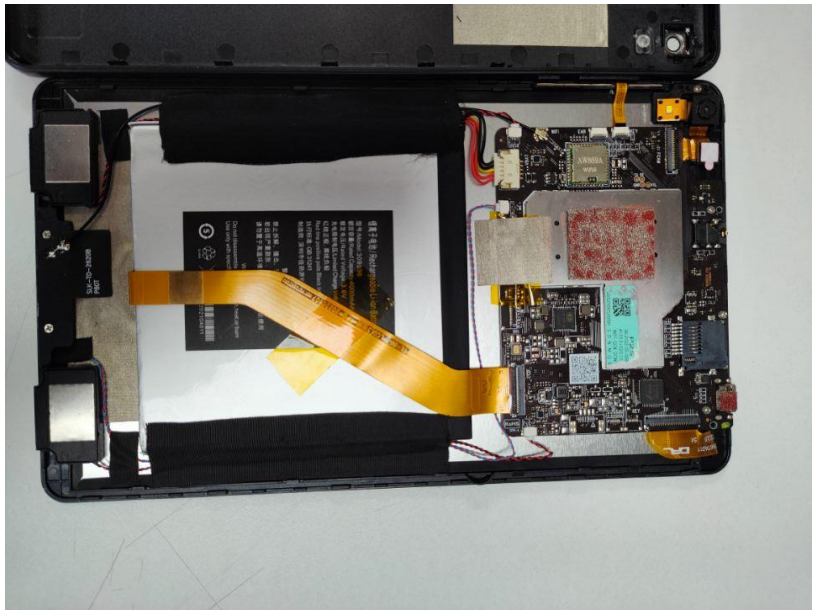
2.1 WIFI Antenna VSWR

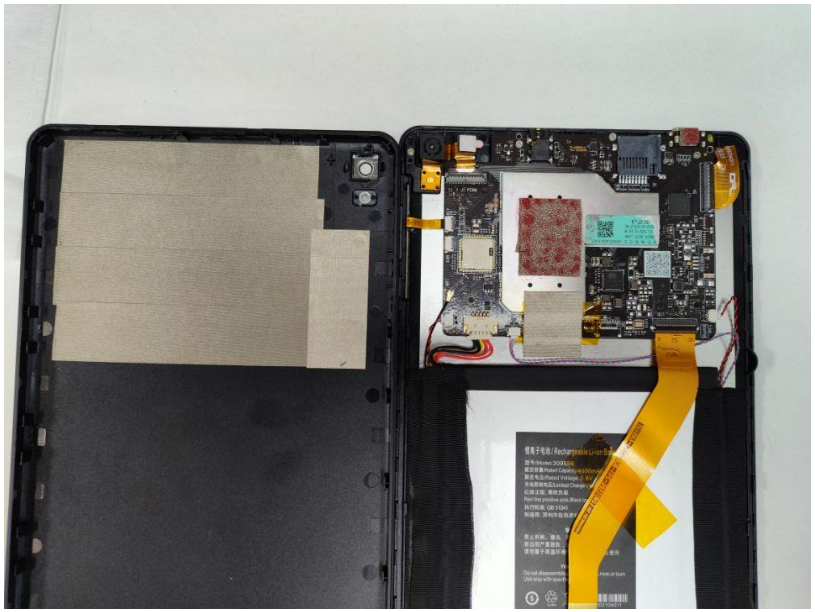
2.2 WIFI Antenna Gain/Efficiency/3D DATE

2.3 WIFI TRP/TIS

3. Conclusions

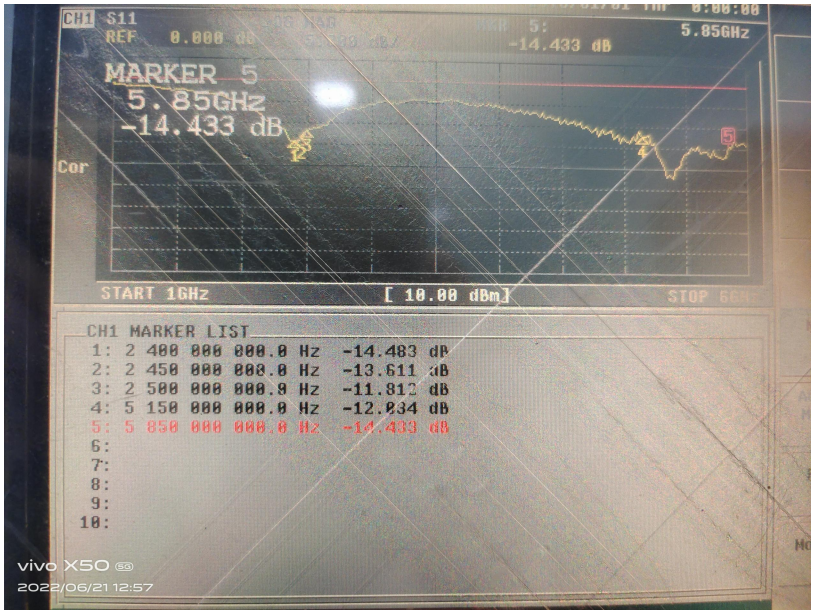
1. Product Overview & Dimension





2. Test Result

2.1 WIFI Antenna VSWR/S11



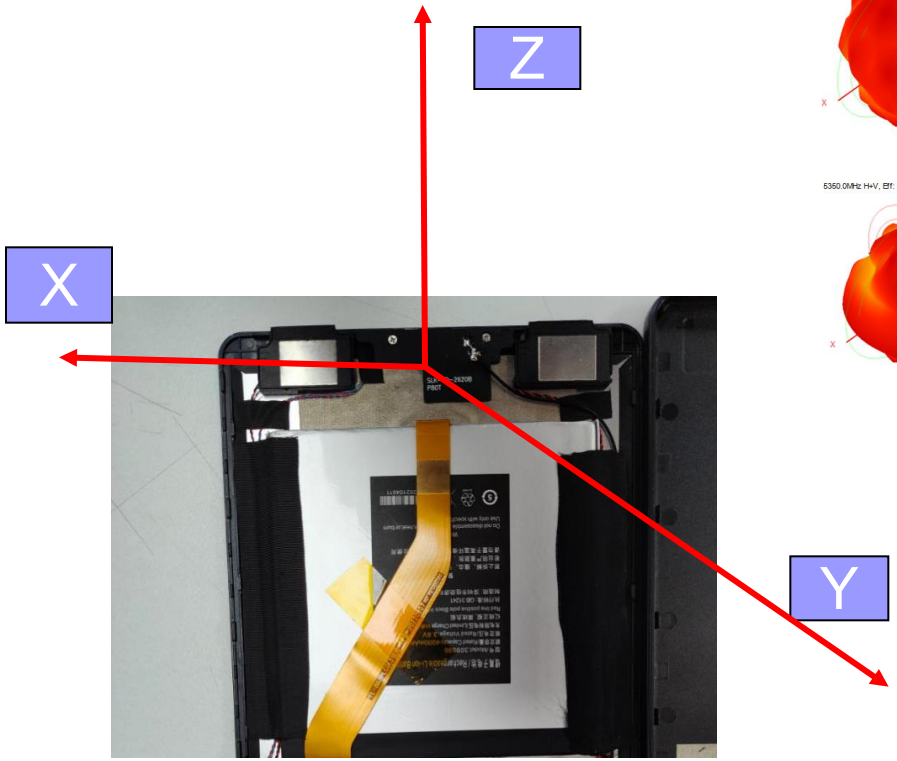
2. Test Result

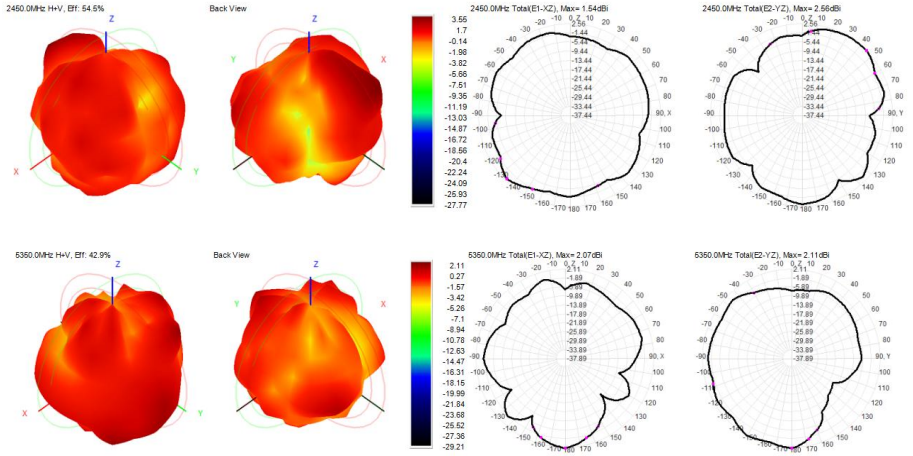
2.2 WIFI Antenna Gain/Efficiency/3D DATE

Freq (MHz)	Effi (%)	Gain (dBi)
2400	48.75	1.26
2450	42.27	1.98
2500	43.05	1.83
5150	52.77	1.29
5350	54.20	1.49
5500	50.12	1.54
5650	51.88	1.02
5750	46.89	1.99
5850	53.05	1.42

2. Test Result

2.2 WIFI Antenna Gain/Efficiency/3D DATE





2. Test Result

2.3 WIFI TRP/TIS

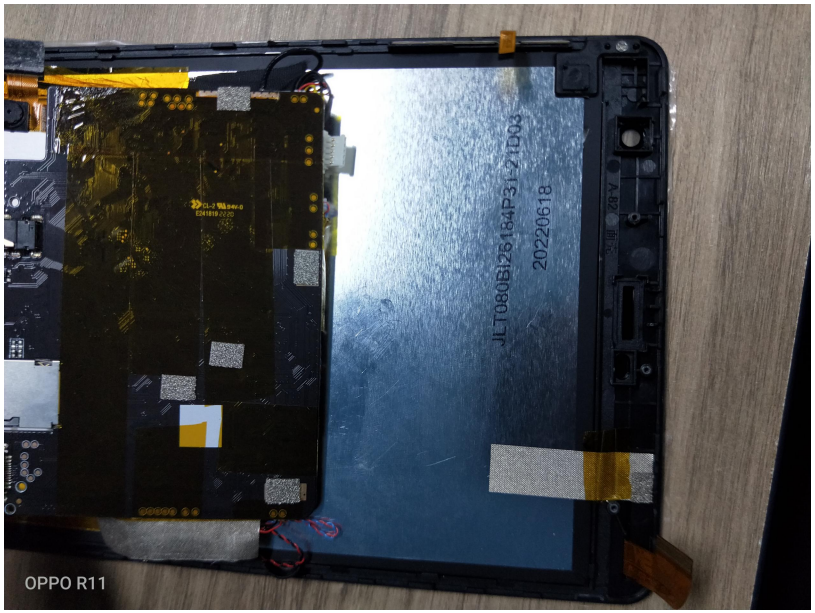
WIFI active test

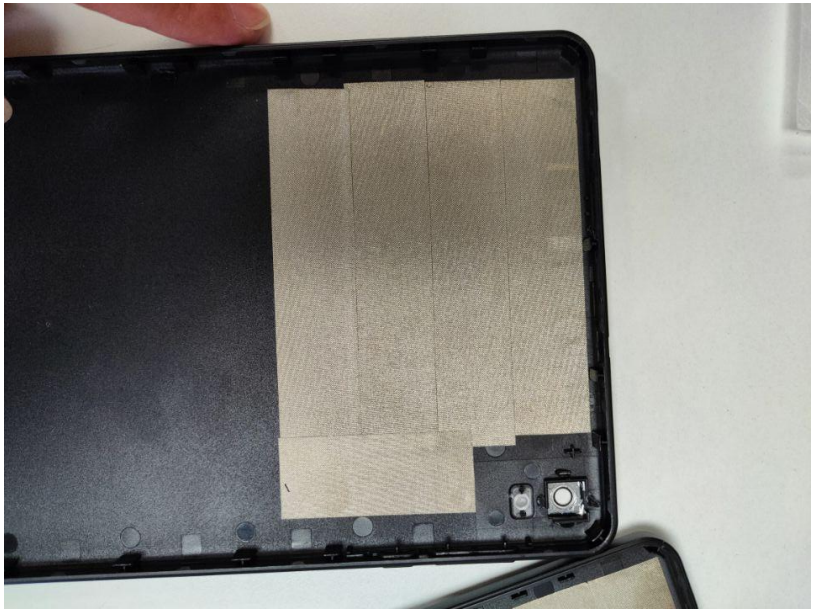
频段	1	6	11
B-TRP-11MBps	16.77	17.19	17.10
B-TIS-11MBps	-81.82	-82.57	-82.54
G-TRP-54MBps	16.51	16.66	16.67
G-TIS-54MBps	-67.83	-70.51	-70.98
N-TRP-MCS7	16.16	16.25	16.28
N-TIS-MCS7	-64.54	-64.38	-66.51
频段	36	149	165
A-TRP-54MBps	13.29	12.83	12.95
A-TIS-54MBps	-66.01	-69.35	-71.27

Bluetooth test:

Playing 25 meters in the downstairs parking lot

3. Conclusions





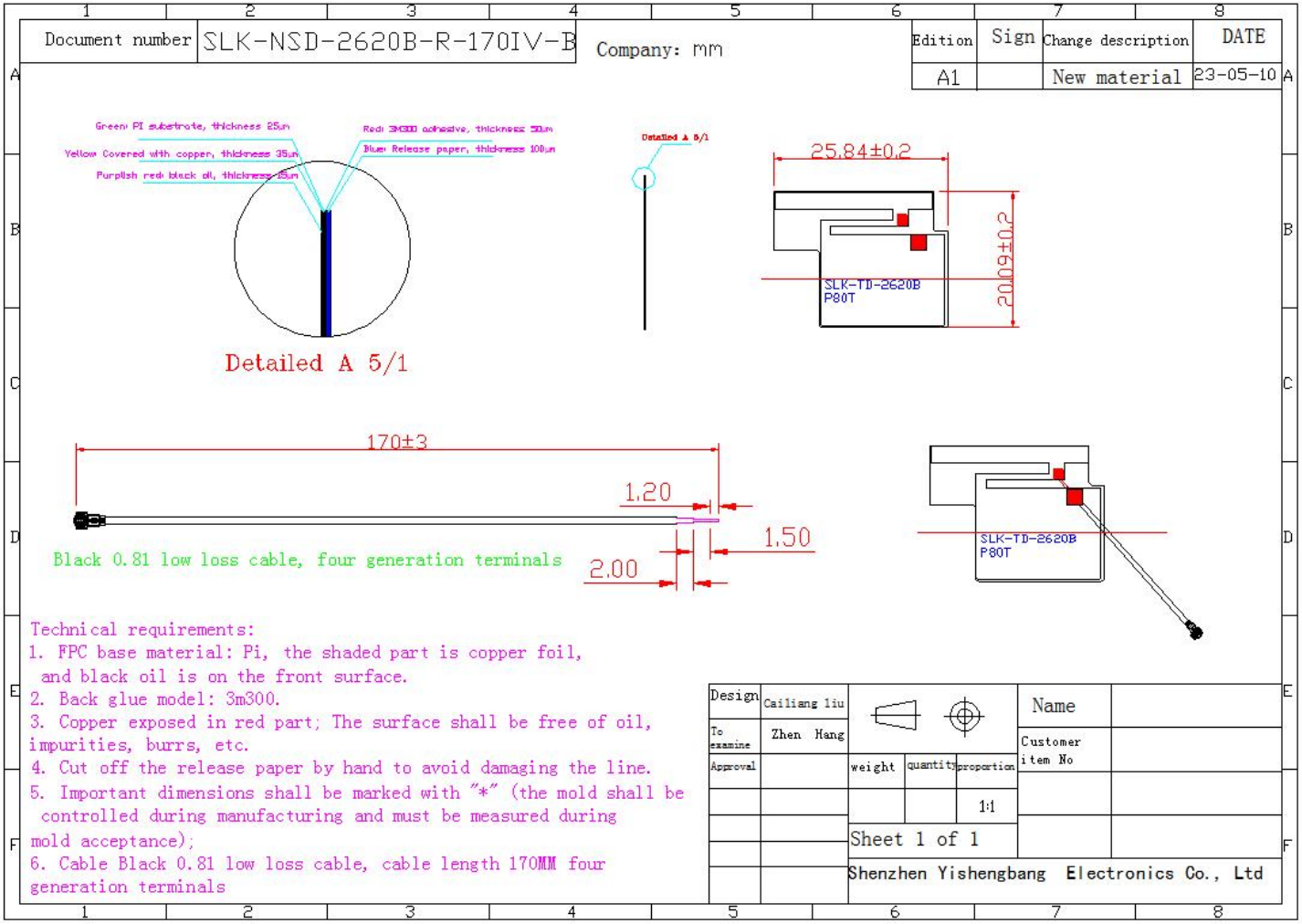
Environmental treatment:

1. Attach a conductive sponge to the copper leakage area at the bottom of the mainboard and contact the screen.

2. Pull a conductive cloth on the motherboard shielding cover and the screen for contact processing, and then pull a conductive cloth wrapped in TP line for shielding processing.

3. Pull a conductive cloth to cover the screen line.

3. Conclusions



3. Conclusions

THANK YOU