



Shenzhen Yishengbang Technology Co., Ltd

Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: Teclast

Project: MINI PC

Product: WIFI Antenna

Report date: 2023.06.06

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Checked by : Eason Huang

Approved by :



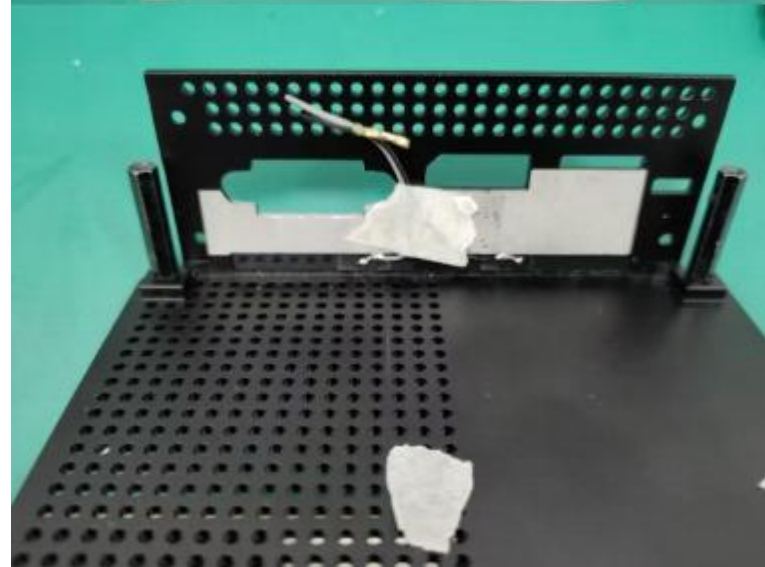
Purpose

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

Content

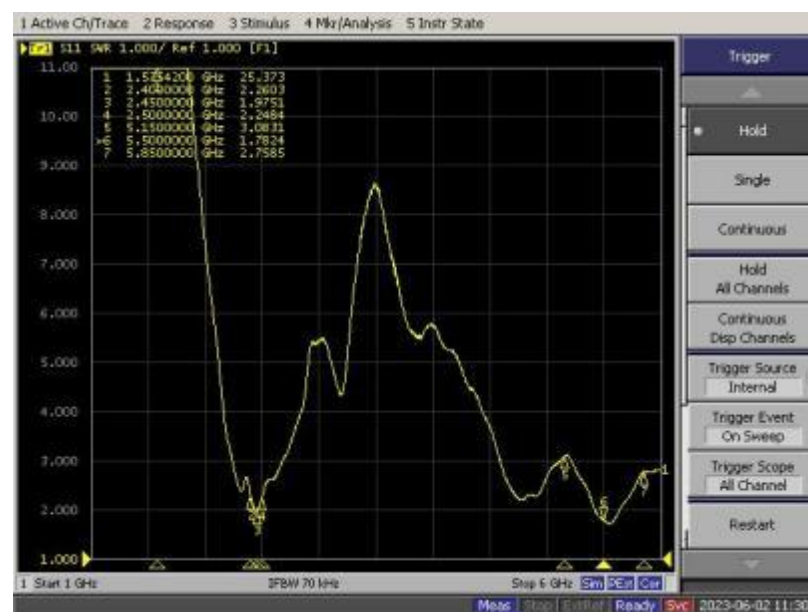
1. Product Overview
2. Test Result
 - 2.1 WIFI Antenna VSWR/S11
 - 2.2 Antenna parameters
 - 2.3 WIFI Antenna Gain/Efficiency/3D DATA
 - 2.4 Product drawing
3. Conclusions

1. Product Overview



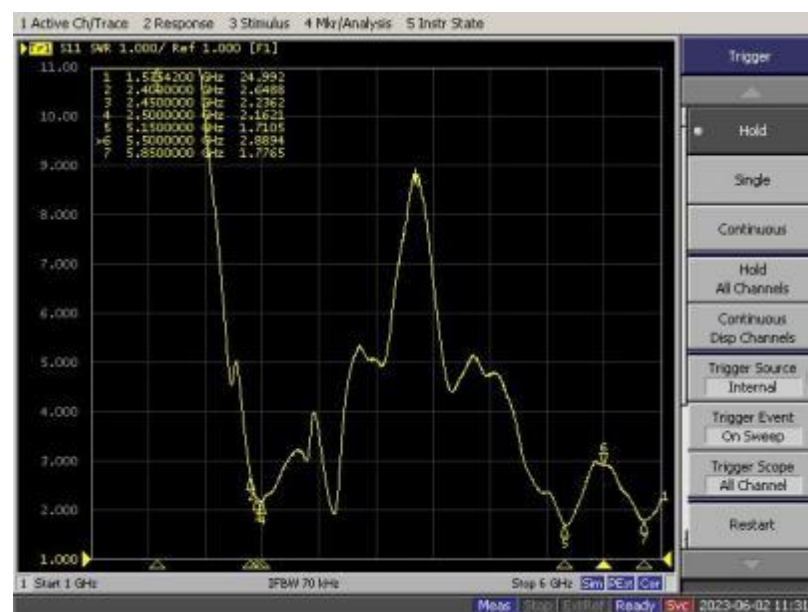
2. Test Result

2. 1 WIFI Antenna VSWR/S11 (MAIN)



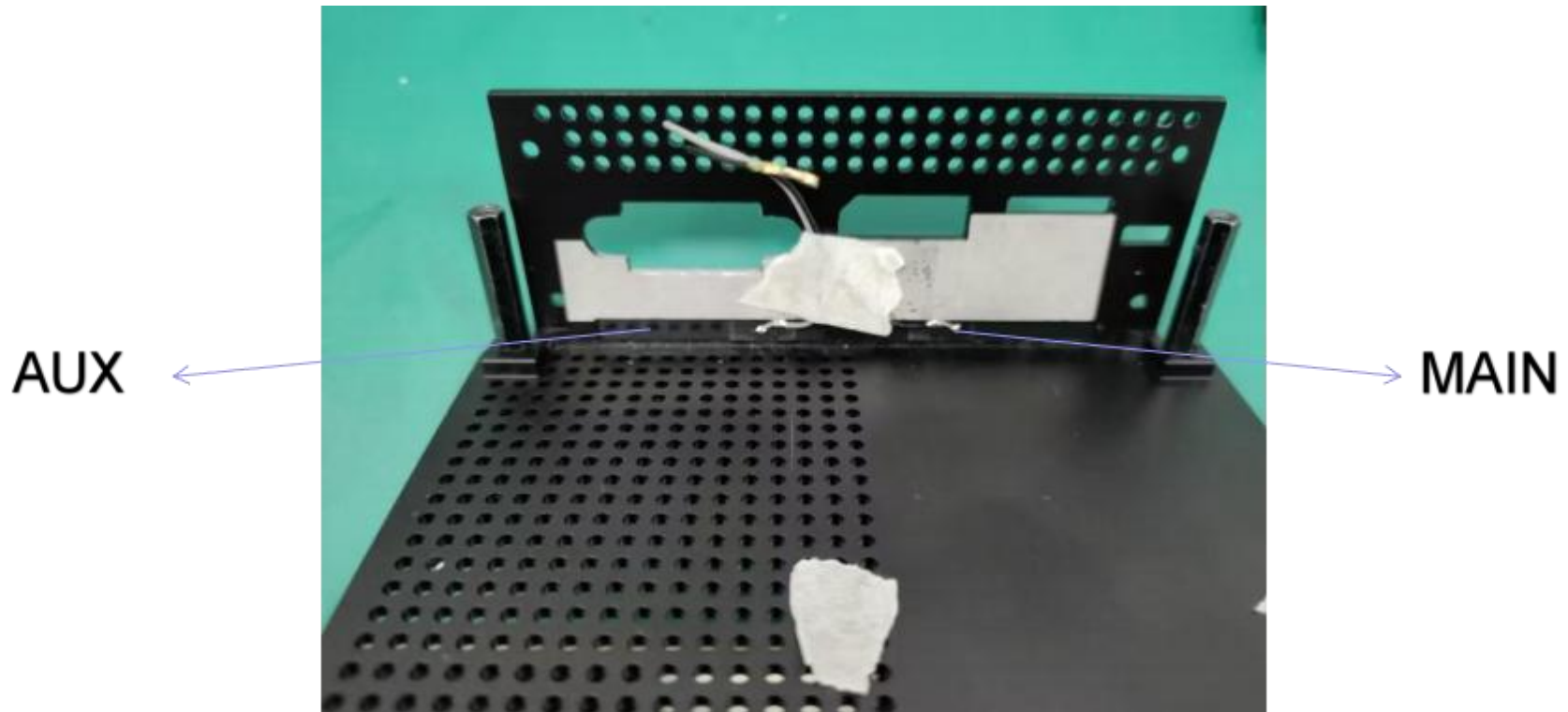
2. Test Result

2. 1 WIFI Antenna VSWR/S11 (AUX)



2. Test Result

2.2 Antenna parameters

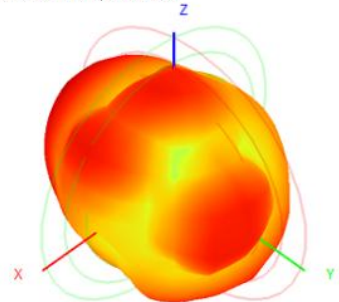


2. Test Result

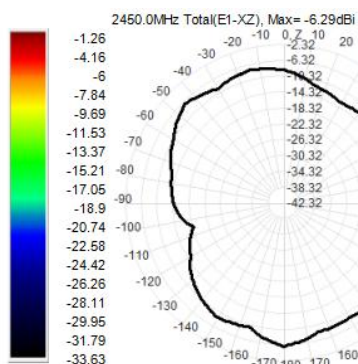
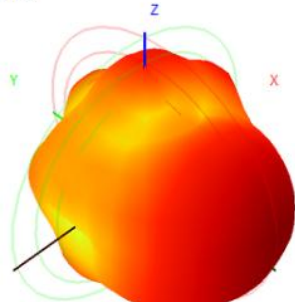
2.3 WIFI Antenna Gain/Efficiency/3D DATA MAIN

Frequency (MHz)	2400.0	2450.0	2500.0	5150.0	5250.0	5750.0	5850.0
Efficiency (dBi)	-7.98	-7.91	-7.88	-5.94	-5.92	-4.02	-4.39
Gain(dBi)	2.55	1.26	1.22	2.73	2.02	2.78	2.11
Efficiency (%)	15.92	16.18	16.28	25.45	25.57	39.65	36.42

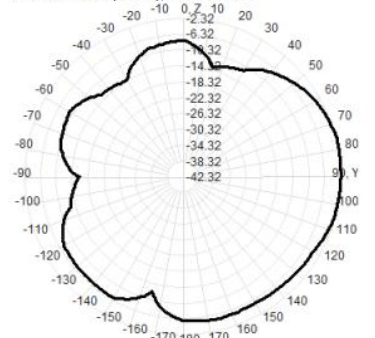
2450.0MHz H+V, Eff: 16.18%



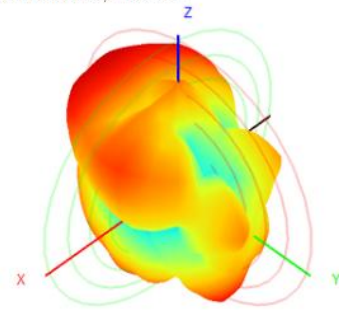
Back View



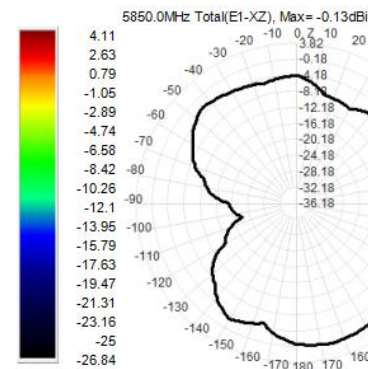
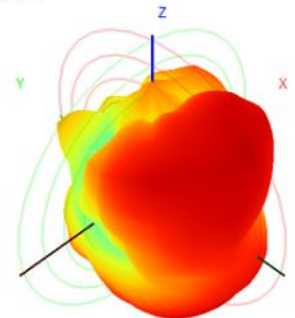
2450.0MHz Total(E2-YZ), Max=-2.32dBi



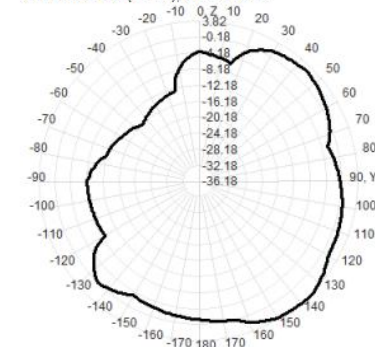
5850.0MHz H+V, Eff: 36.42%



Back View



5850.0MHz Total(E2-YZ), Max=3.82dBi



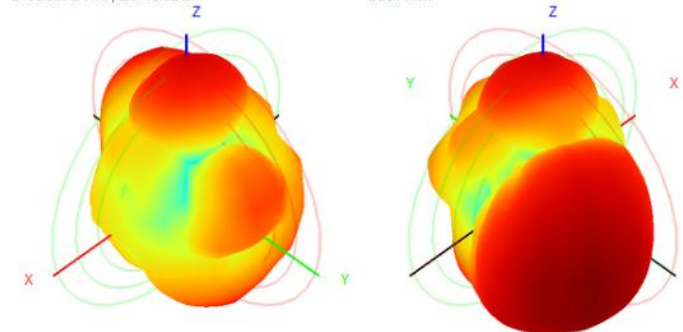
2. Test Result

2.3 WIFI Antenna Gain/Efficiency/3D DATA AUX

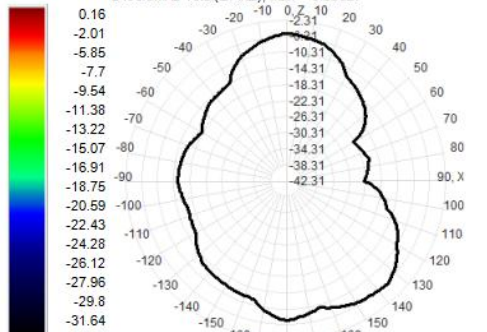
Frequency (MHz)	2400.0	2450.0	2500.0	5150.0	5250.0	5750.0	5850.0
Efficiency (dBi)	-7.94	-7.82	-7.81	-5.80	-5.87	-6.68	-6.17
Gain(dBi)	-0.45	2.55	-0.15	2.53	2.78	0.57	1.69
Efficiency (%)	16.05	16.52	16.56	26.30	25.90	21.48	24.13

2450.0MHz H+V, Eff: 16.52%

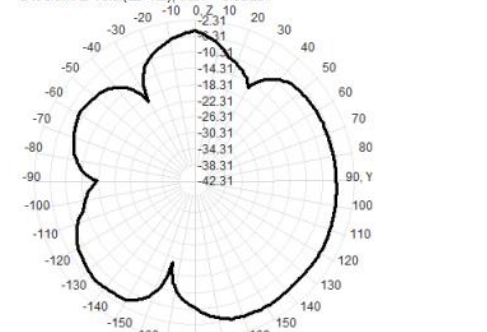
Back View



2490.0MHz Total(E1-XZ), Max= -5.58dBi

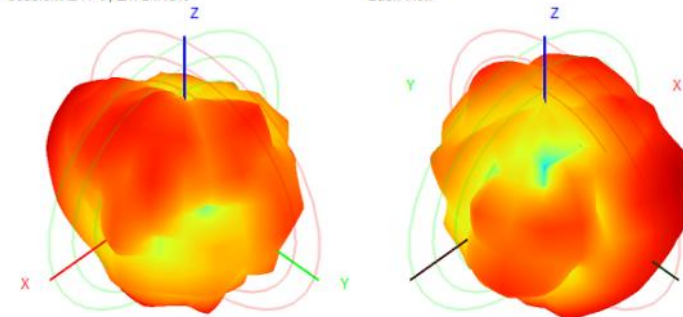


2490.0MHz Total(E2-YZ), Max= -5.02dBi

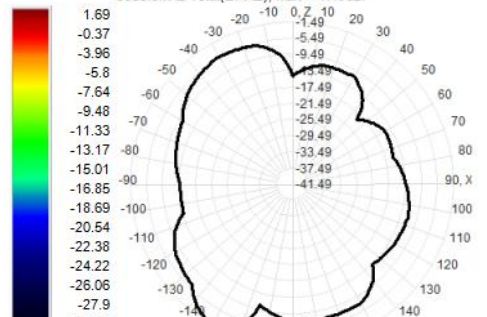


5850.0MHz H+V, Eff: 24.13%

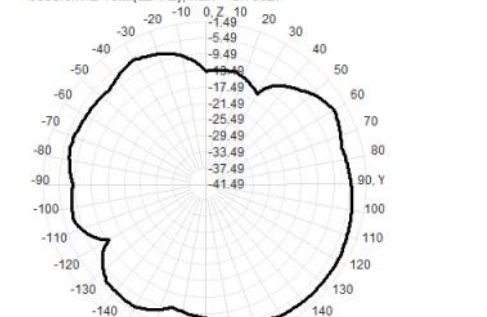
Back View



5850.0MHz Total(E1-XZ), Max= -1.49dBi

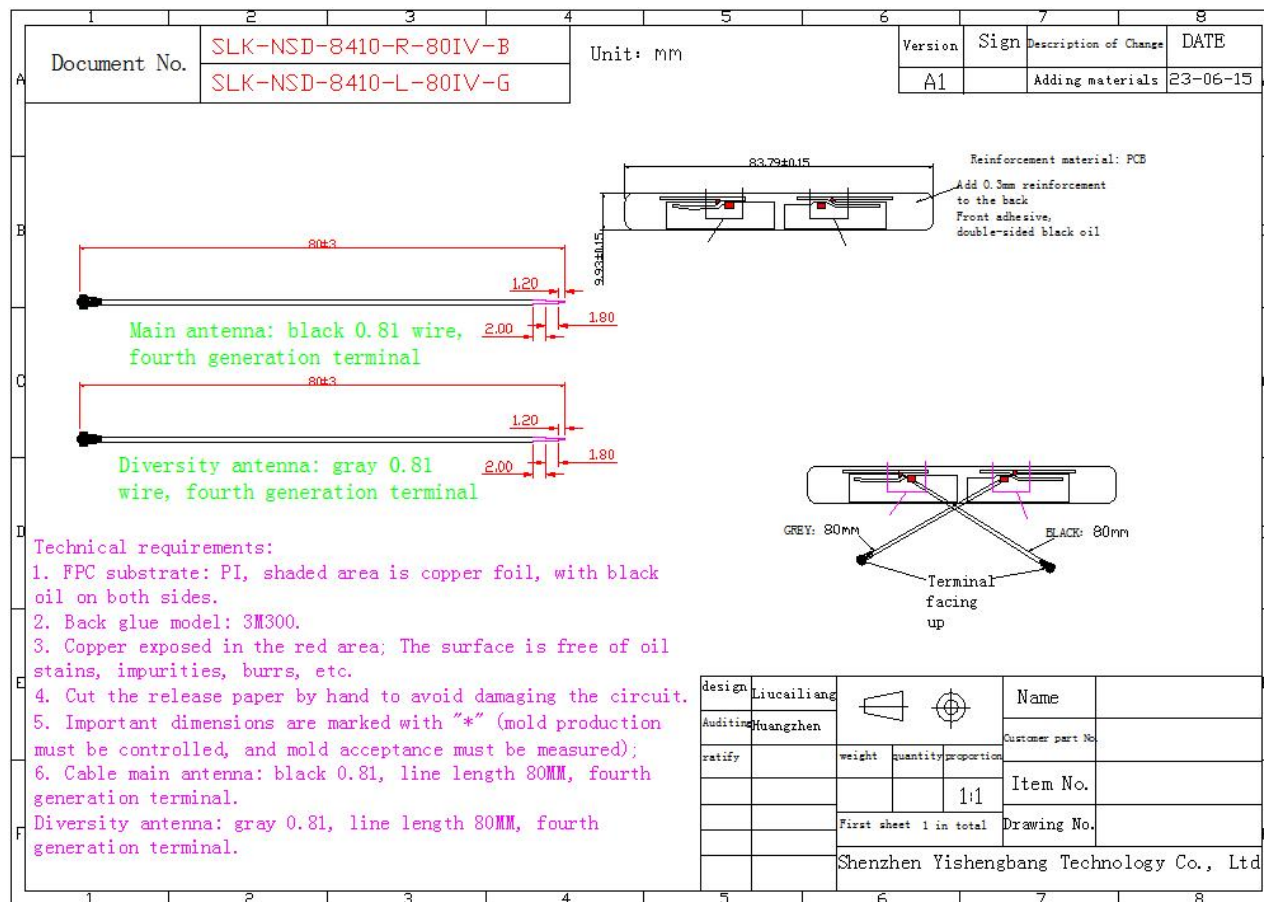


5850.0MHz Total(E2-YZ), Max= -3.70dBi



2. Test Result

2.4 Product drawing





3. Conclusions

THANK YOU!