

# 深圳市亿圣邦科技有限公司

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

Customer: Shenzhen Ji teng Network Technology Co., Ltd

Project: NUCJL01

Product: WIFI Antenna—FPC

Report date: 2022-02-16

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Checked by : Eason Huang

Approved by :

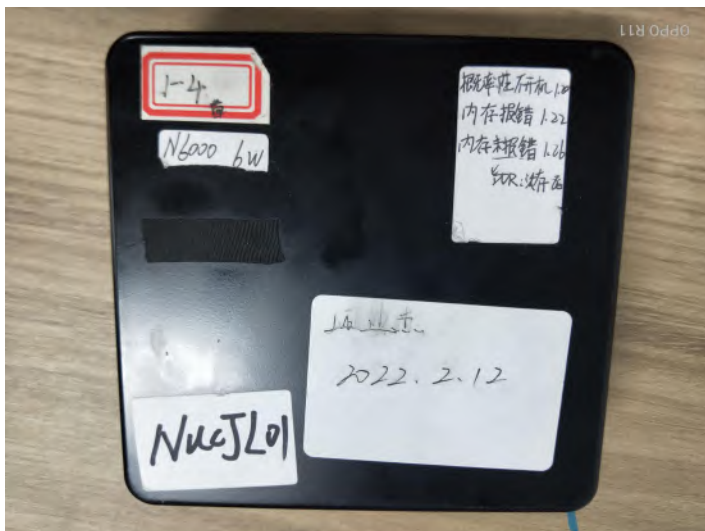
# ***Purpose***

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

## ***Content***

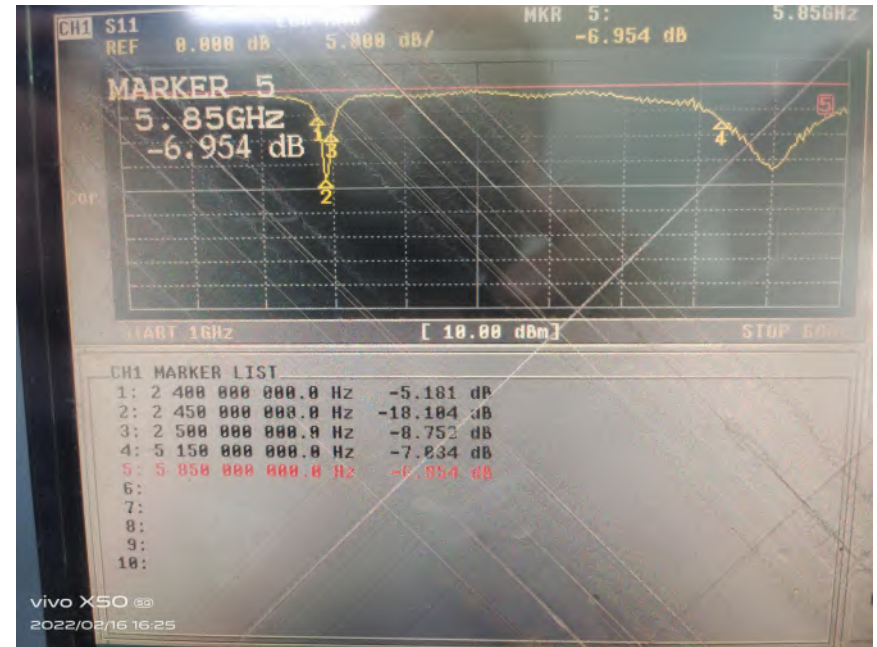
1. Product Overview
2. Test Result
  - 2.1 WIFI Antenna VSWR/S11
  - 2.2 WIFI MAIN/AUX Antenna Gain/Efficiency/3D DATE
3. Conclusions

# 1. Product Overview & Dimension



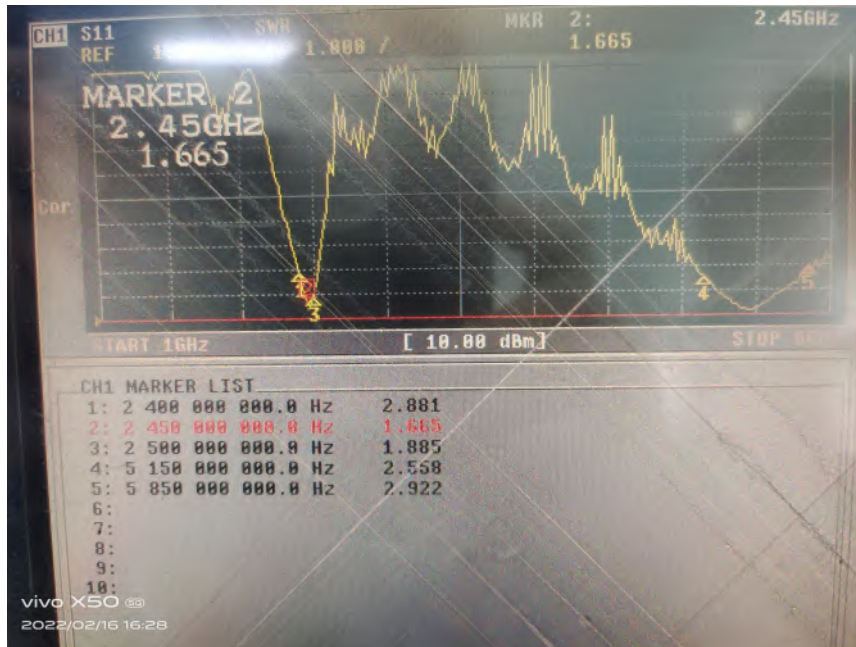
# 2. Test Result

## 2.1 WIFI MAIN Antenna VSWR/S11



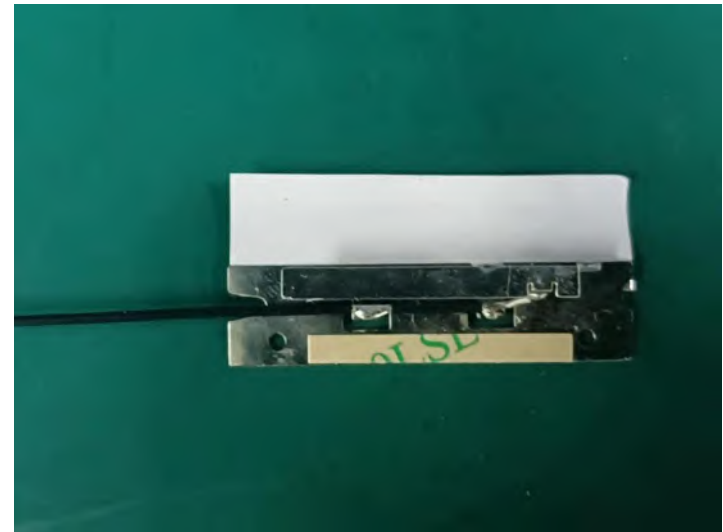
# 2. Test Result

## 2.1 WIFI AUX Antenna VSWR/S11



## 2. Test Result

### 2.2 Antenna parameters



备注：主天线和副天线都是使用同一款天线本体（只是线长不一样）。

## 2. Test Result

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

#### WIFI MAIN

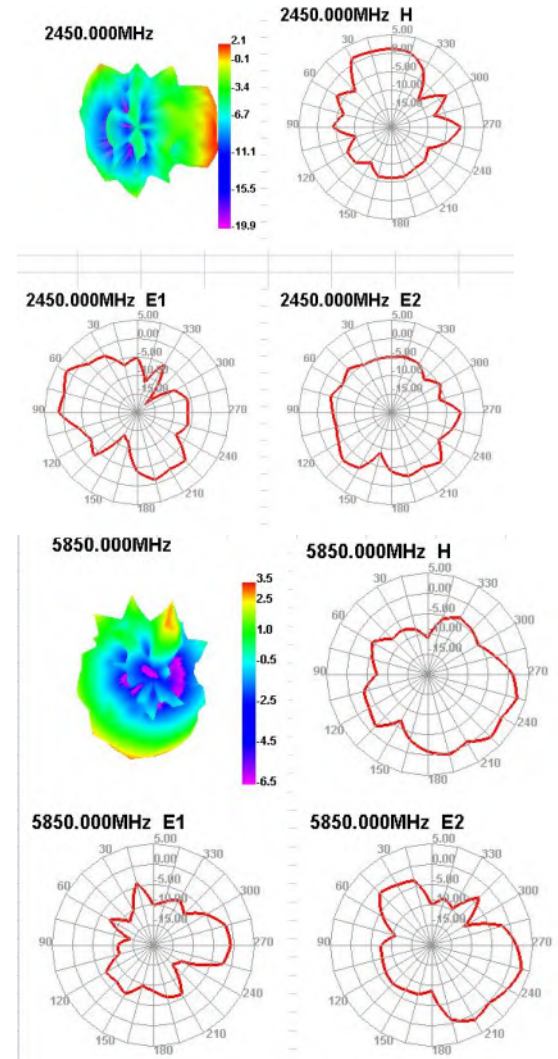
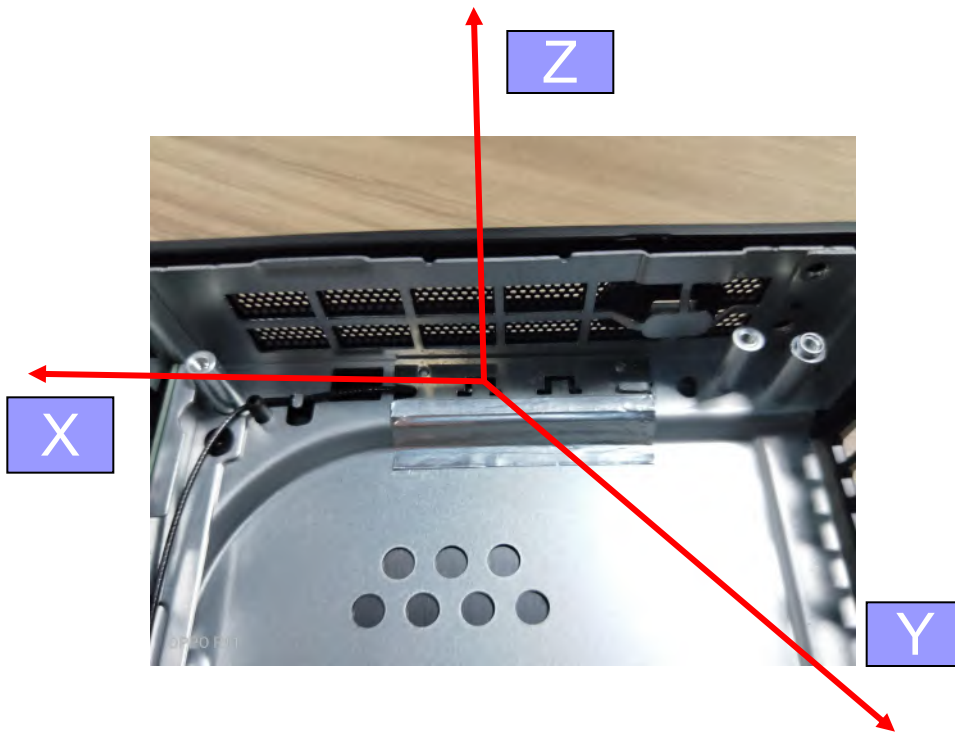
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	43.79	-3.59	2.48
2410	41.76	-3.79	2.11
2420	42.52	-3.71	2.04
2430	40.65	-3.91	1.68
2440	43.74	-3.59	2.11
2450	41.84	-3.78	2.07
2460	42.71	-3.69	2.33
2470	40.63	-3.91	2.16
2480	42.19	-3.75	2.37
2490	42.02	-3.77	2.38
2500	41.86	-3.78	2.66
5150	37.14	-4.3	3.54
5350	39.71	-4.01	3.17
5550	44.12	-3.55	3.56
5750	42.8	-3.69	4.46
5850	44.66	-3.5	3.54

#### WIFI AUX

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	43.01	-3.66	1.93
2410	39.13	-4.08	1.51
2420	43.29	-3.64	1.85
2430	43.81	-3.58	1.94
2440	40.91	-3.88	1.49
2450	45.83	-3.39	1.69
2460	38.92	-4.1	0.83
2470	39.54	-4.03	0.98
2480	40.31	-3.95	1.91
2490	37.56	-4.25	2.35
2500	39.18	-4.07	3.03
5150	38.19	-4.18	1.59
5350	38.84	-4.11	1.72
5550	41.74	-3.79	2.31
5750	43.71	-3.59	3.04
5850	45.46	-3.42	2.42

# 2. Test Result

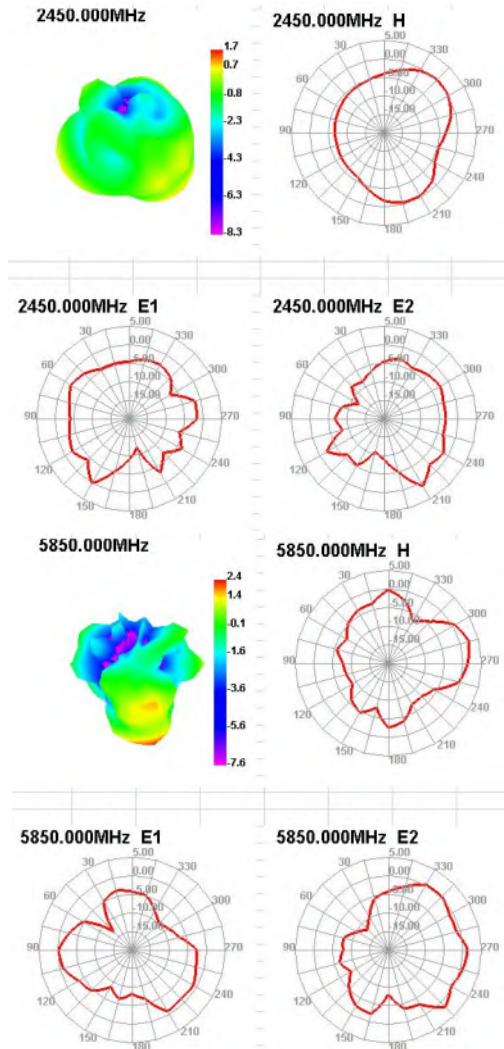
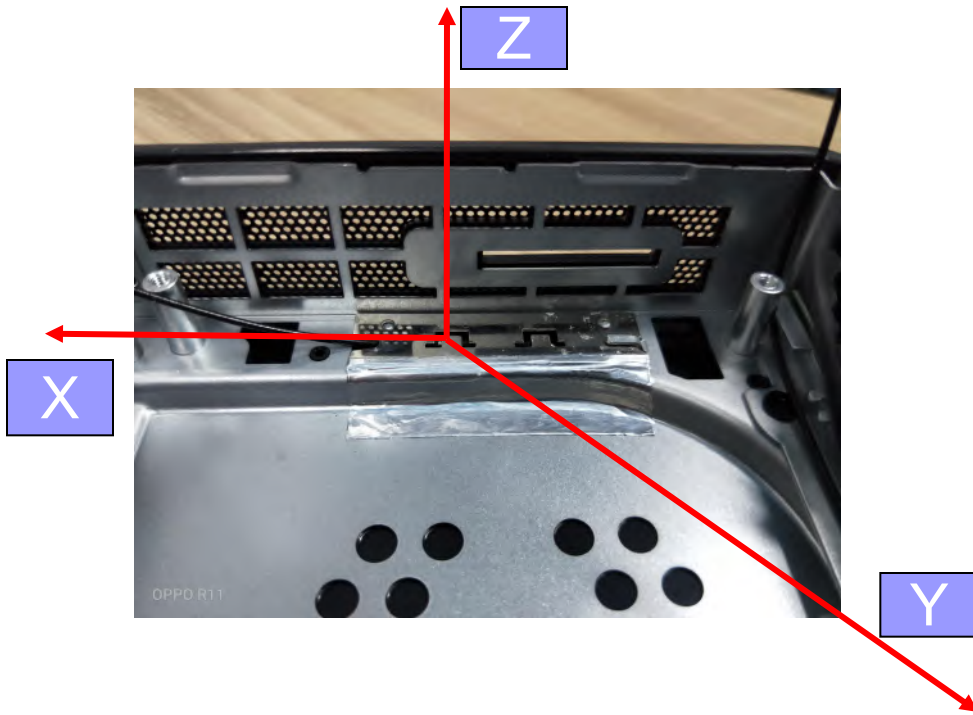
## 2.3 WIFI MAIN Antenna Gain/Efficiency/3D DATE





# 2. Test Result

## 2.3 WIFI AUX Antenna Gain/Efficiency/3D DATE



### 3. Conclusions

Thank you