



深圳市肯特新工业技术有限公司  
Shenzhen Kinter New Industrial Technology CO.,LTD

# WIFI Antenna Test Report



|                     |                    |
|---------------------|--------------------|
| Customer            | 捷渡科技               |
| Project             | H501               |
| Antenna Revision    | A0                 |
| Product Description | FPC                |
| Product No          | W2011A-F8C2B-050-U |

Prepared by : 周景峰  
18576053386

Checked by : Xing\_ZHANG

Approved by : Antony\_Yi

2023.6.15



## Purpose

This report is to measure the performance of KINTER FPC WIFI antenna for 捷渡科技-H501 All test data are showed as below.

## Content

- 1: Product Overview & Dimension
- 2: Test Result
  - 2.1 VSWR
  - 2.2 Antenna Matching Network
  - 2.3 Gain & Efficiency
  - 2.4 3D Data
- 3 : Conclusion



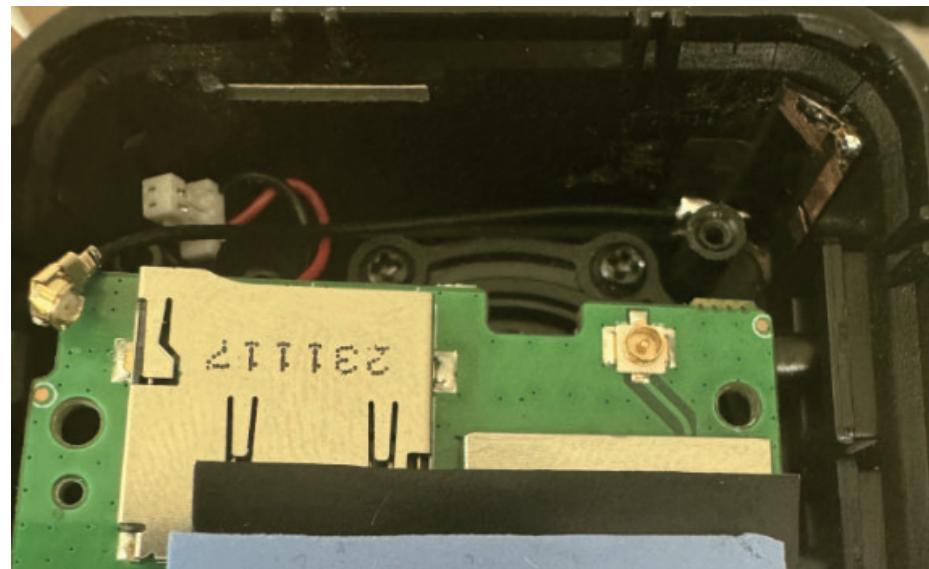
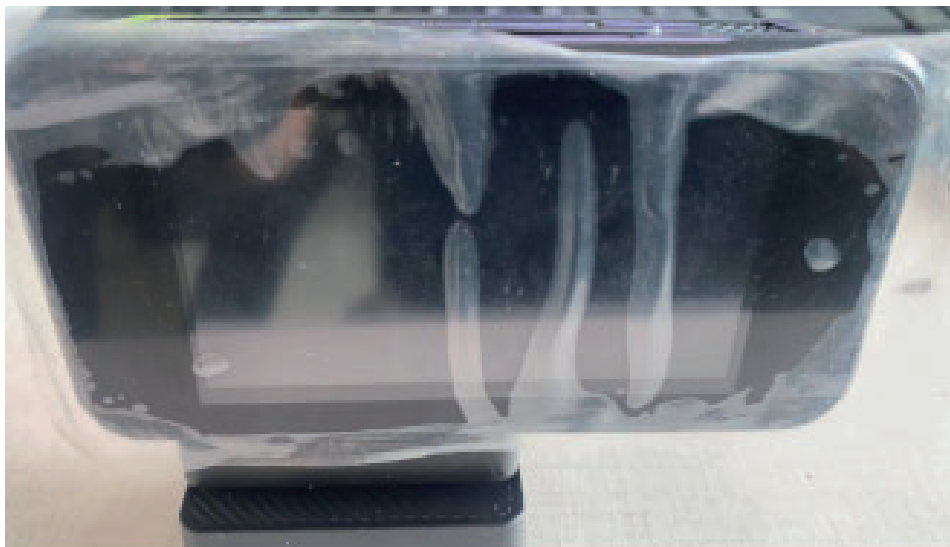


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# 1. Product Overview & Dimension

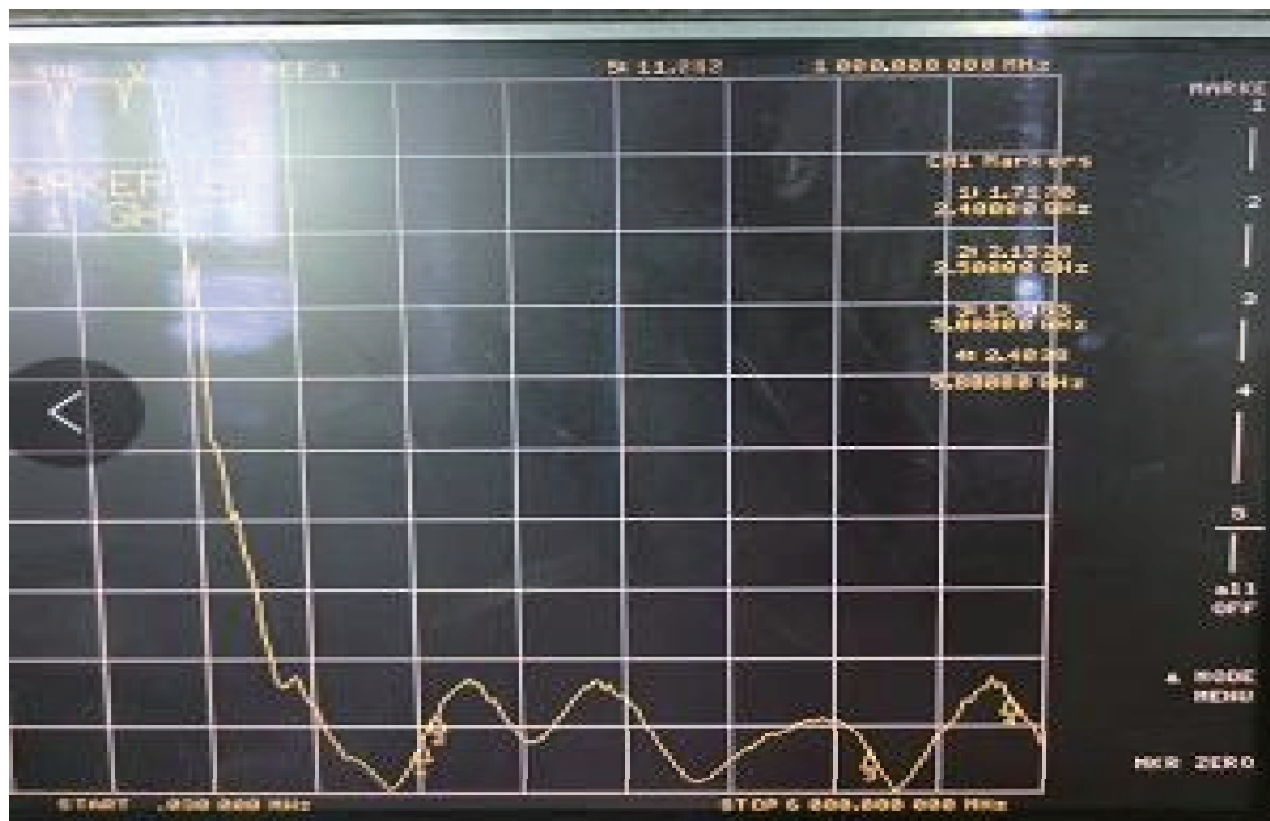
Front

Antenna



## 2. Test Result

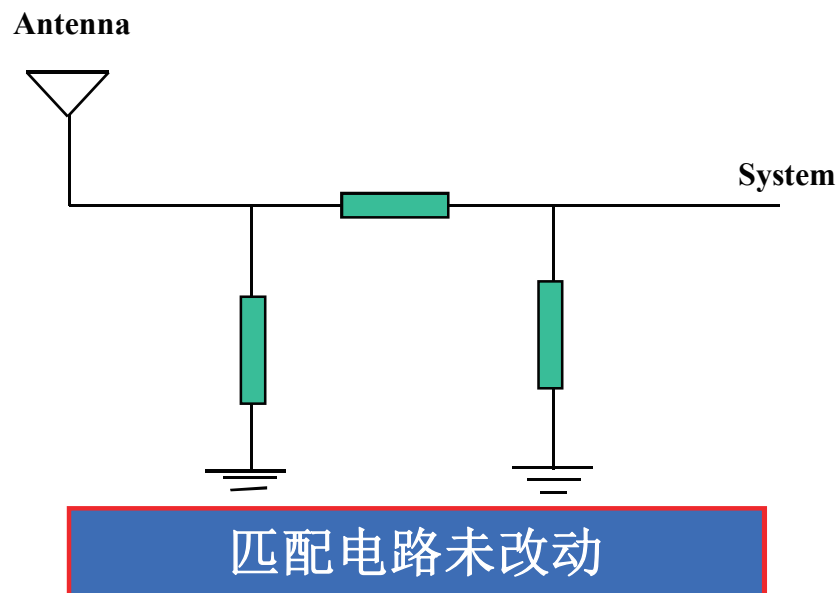
### 2.1 WIFI VSWR



| Frequency (MHz) | 2400 | 2500 | 5000 | 5800 |
|-----------------|------|------|------|------|
| VSWR            | 1.66 | 2.1  | 1.5  | 2.18 |

## 2. Test Result

### 2.2 Antenna Matching Network





## 2. Test Result

### 2.3 WIFI GAIN & Efficiency

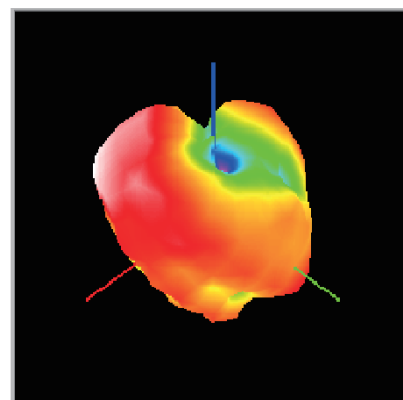
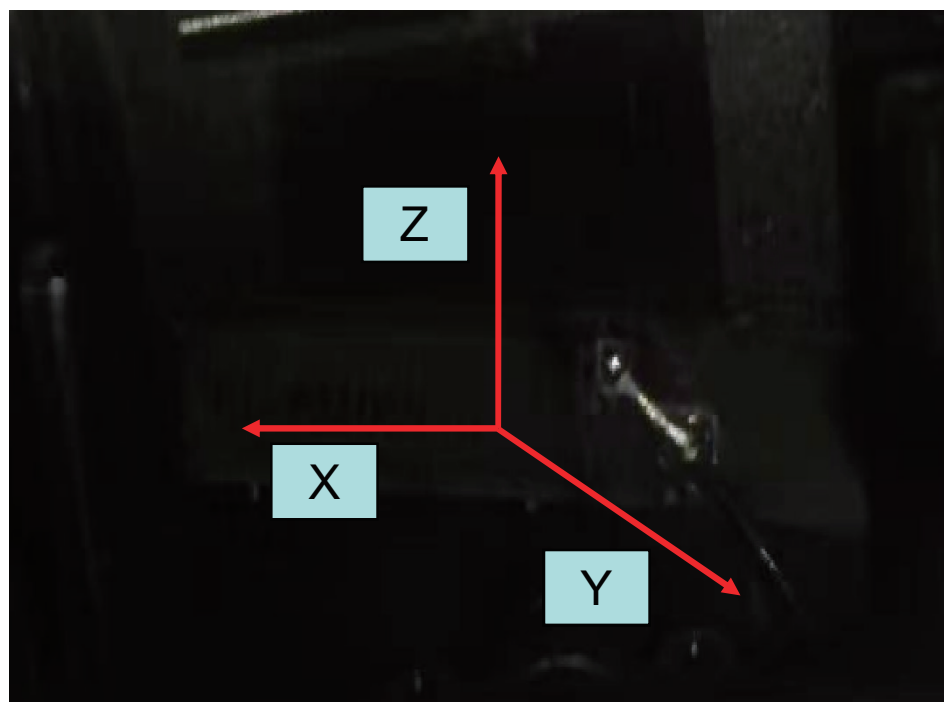
| Frequency (MHz) | Efficiency (%) | Average GAIN (dB) | Peak GAIN (dBi) |
|-----------------|----------------|-------------------|-----------------|
| 2400            | 43.5%          | -3.61             | 3.53            |
| 2450            | 42.8%          | -3.69             | 3.17            |
| 2500            | 45.4%          | -3.43             | 2.79            |
| 5000            | 42.6%          | -3.71             | 4.28            |
| 5400            | 43.6%          | -3.61             | 4.01            |
| 5800            | 46%            | -3.37             | 3.96            |



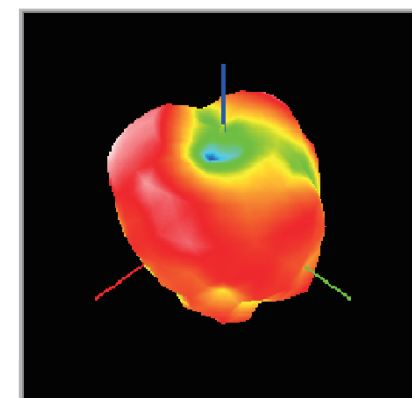
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## 2. Test Result

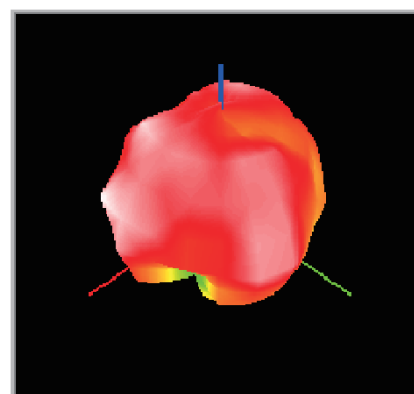
### 2.4WIFI 3D DATE



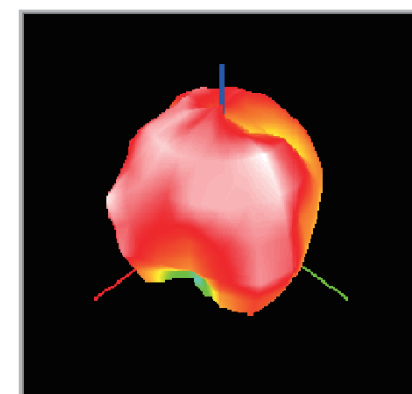
2400MHZ



2500MHZ



5000MHZ



5800MHZ



### **3. Conclusion**

从无源测试数据来看，WIFI天线无源性能OK，实际效果测试在10米。  
满足实际使用。