

# SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., LtdCUS PART NO: PB-03PART NAME: 2.4G WLAN AntennaEdition: 1.0

|          |             |            |
|----------|-------------|------------|
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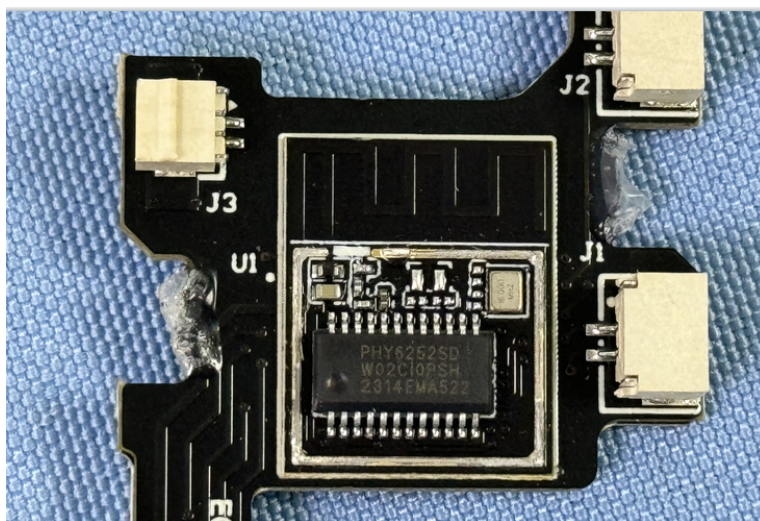
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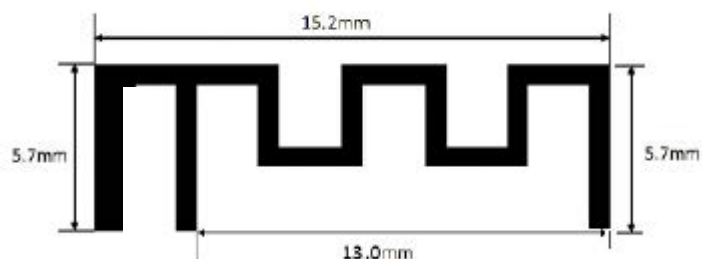
# Product specification

## 1、 Performance parameter

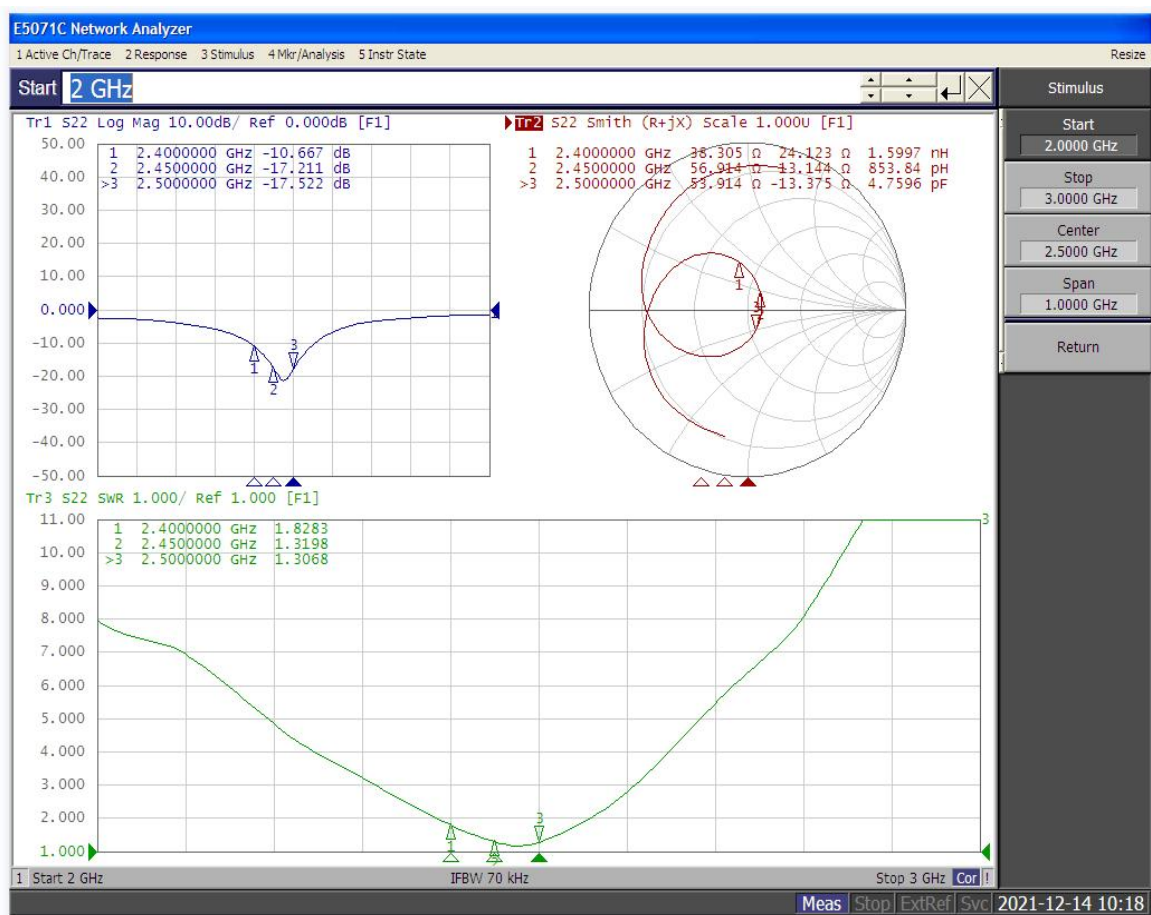
|                           |                     |
|---------------------------|---------------------|
| Name                      | 2.4G WLAN Antenna   |
| Model Type                | PCB Print Antenna   |
| ELECTRICAL SPECTFICATIONS |                     |
| Frenquency Range          | 2400-2500MHz        |
| Band Width                | 100MHz              |
| Impedance                 | 50 $\Omega$         |
| VSWR                      | < 2.0               |
| Max Gain                  | 2.56dBi             |
| Polarization              | Vertical/Horizontal |
| Radiation                 | Omnidirectional     |
| Power                     | 50 W                |
| MECHANICAL SPECTFICATIONS |                     |
| Connector                 | Welding type        |
| Working Temperature       | -40°C - + 85°C      |
| Limit Temperature         | -40°C - + 125°C     |



Antenna Photo & Length (mm)



## 2、VSWR

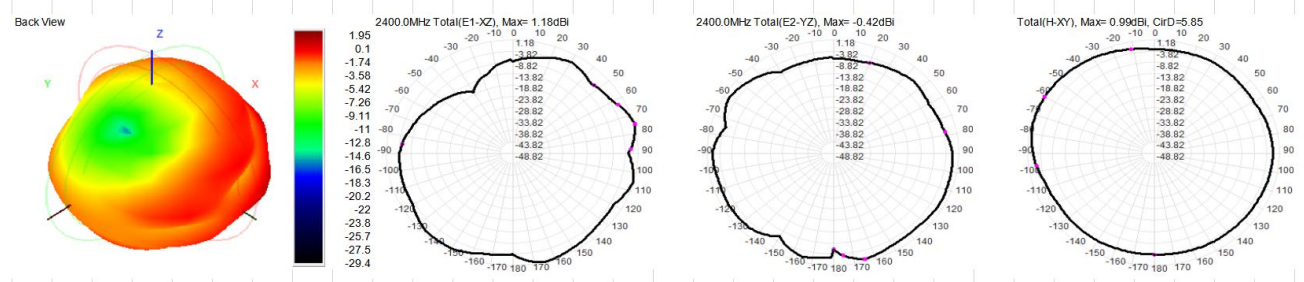


## 3、Passive test data:

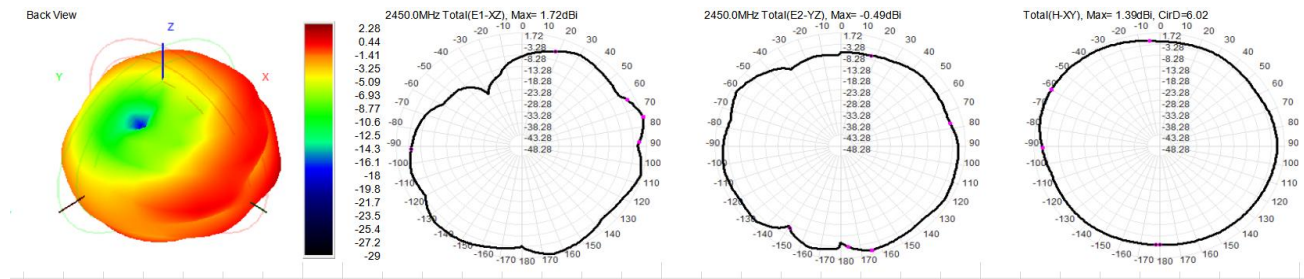
| Frequency (MHz) | 2400  | 2410  | 2420  | 2430  | 2440  | 2450  | 2460  | 2470  | 2480  | 2490  | 2500  |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Gain (dBi)      | 1.95  | 2.10  | 1.96  | 2.11  | 2.04  | 2.28  | 2.30  | 2.39  | 2.35  | 2.56  | 2.36  |
| Efficiency (%)  | 54.51 | 56.69 | 55.34 | 57.62 | 56.20 | 58.56 | 58.07 | 58.32 | 56.88 | 59.15 | 56.37 |

## 4、Radiation pattern

### 2400MHz



### 2450MHz



### 2500MHz

