

# Testing Report

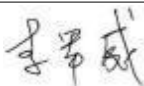
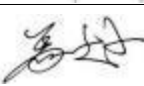
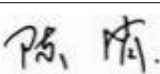
Customer Name: SHENZHENSHIXINZHONGXIN TECHNOLOGY.CO.,LTD

Product Name: BT Antenna

Sample Model: RSR-XZX-2T-5.8G-TX

Reference Standard: GB/T9410-2008; ANSI/IEEE Std 149-1979

Issue Date: 2024.04. 28

|           |                                                                                     |                   |
|-----------|-------------------------------------------------------------------------------------|-------------------|
| Engineer: |  | Date: 2024.04. 28 |
| Auditor:  |  | Date: 2024.04. 28 |
| Approver: |  | Date: 2024.04. 28 |

# 1. General Information

## 1.1 General Information of testing institutions

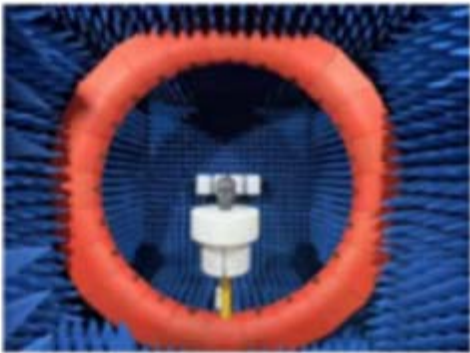
|           |                                                                                       |
|-----------|---------------------------------------------------------------------------------------|
| Name      | Shenzhen Hetuo Technology Co., Ltd.                                                   |
| Address   | Room 1202 B, Building C6, Hengfeng Industrial City, Xixiang, Baoan District, Shenzhen |
| Tel       | 18665849001                                                                           |
| E-mail    | 18665849001@163.com                                                                   |
| Equipment | Agilent 5071C                                                                         |

## 1.2 Testing principle

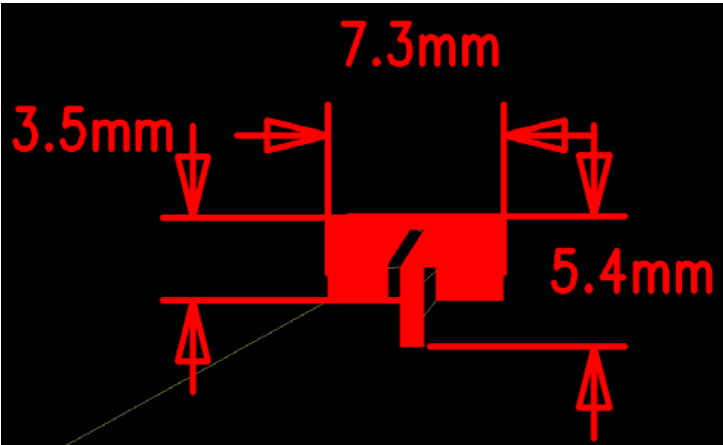
### 2. Test System

#### Multi-probe OTA Measurement System

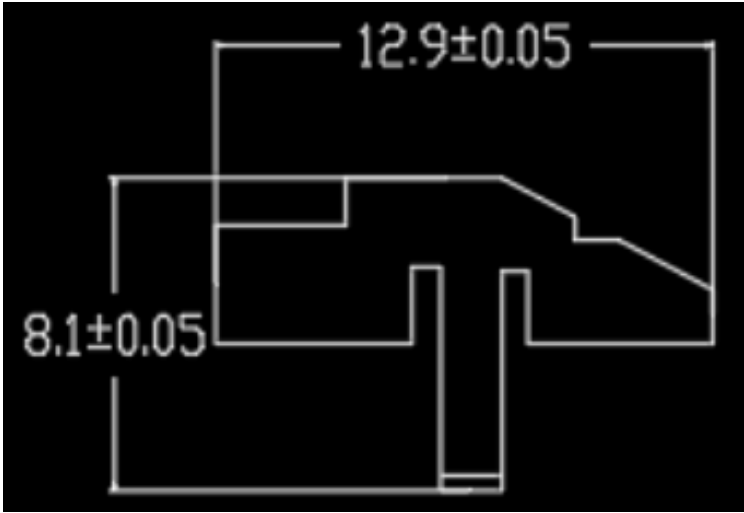
|                   |                   |                         |
|-------------------|-------------------|-------------------------|
| Gain & Efficiency | Gain & Efficiency | SATIMO<br>Agilent 5071C |
|-------------------|-------------------|-------------------------|



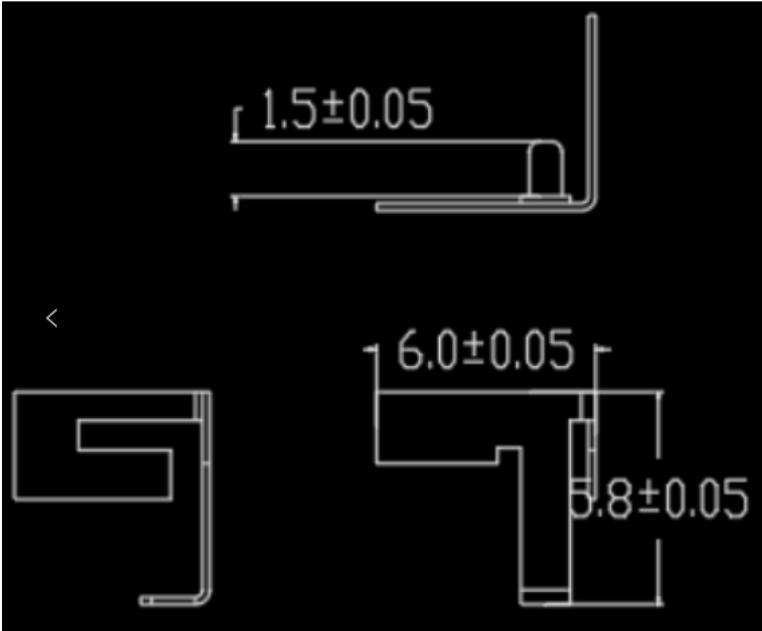
Antenna Photo & Length(mm)\_ANT1: PCB antenna



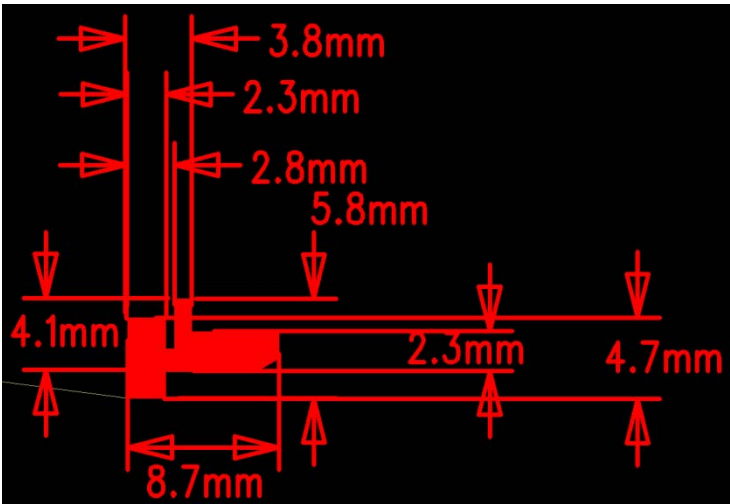
**Antenna Photo & Lenght(mm)\_ANT2:**Stainless steel antenna



**Antenna Photo & Lenght(mm)\_ANT3:**Stainless steel antenna



**Antenna Photo & Lenght(mm)\_ANT4:**PCB antenna



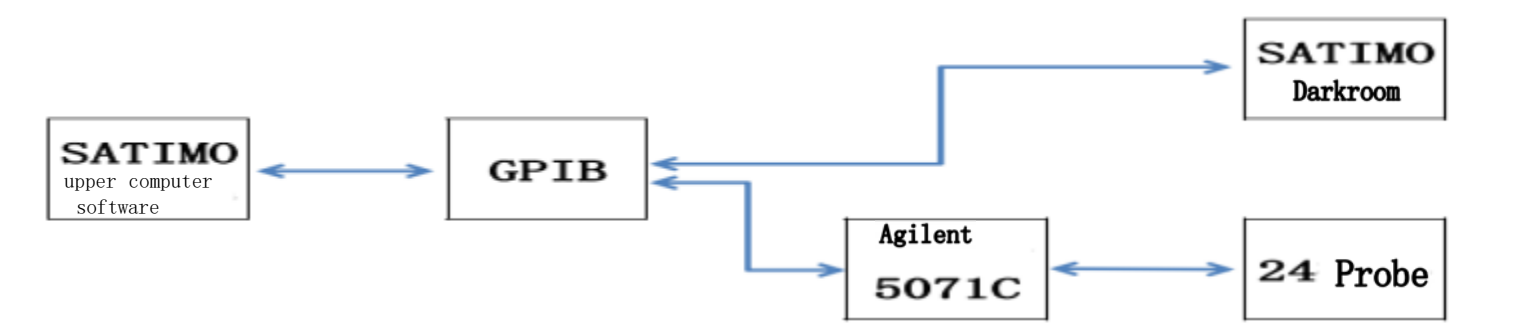
### 1.3 Test equipment

| Equipment                  | Model No. | Serial No. | Manufacturer | Calibration date | Next calibration date |
|----------------------------|-----------|------------|--------------|------------------|-----------------------|
| 24 probe microwave chamber | 4*3*3     | NA         | SATIMO       | 2024.03.29       | 2024.04.29            |
| Network Analyzer           | 5071C     | NA         | Agilent      | 2024.03.29       | 2024.04.29            |

### 1.4 Test environment

|             |             |
|-------------|-------------|
| Temperature | 24 C± 1.5 C |
| Humidity    | 45%RH       |
| Pressure    | 101kPa      |

### 1.5 Brief summary of Procedure



1. SATIMO turn on the Upper Computer Software, Name: VeryView99.exe, Version No.: V1.10;
2. VeryView99 via GPIB (General Purpose Interface Bus) to control the shielding room (darkroom)'s SATIMO;
3. Meanwhiel, GPIB control the Agilent 5071C to read the Antenna data by 24 Probe;
4. Agilent 5071C will analyse the data and generate the result;
5. Agilent 5071C will feedback to VeryView99 software to generate the test report.

## 2. Sample Information

### 2.1 Client information

|          |                                                                     |
|----------|---------------------------------------------------------------------|
| Name     | SHENZHEN SHIXINZHONGXIN TECHNOLOGY .CO .,LTD                        |
| Address  | A1 , Shajing Donghuan Industrial Zone , Bao 'an District , Shenzhen |
| Contacts | Ma Chao                                                             |
| Tel      | 18218809918                                                         |
| E-mail   | machao@c- chip. com. cn                                             |

### 2.2 Description of EUT(S)

|                 |                                    |
|-----------------|------------------------------------|
| Product Name    | 5.2G/5.8G Antenna                  |
| Sample Model    | RSR-XZX-2T-5.8G-TX                 |
| Antenna Size    | ANT1:5.4*7.3mm                     |
|                 | ANT2:12.9*8.1mm                    |
|                 | ANT3:6.0*5.8mm                     |
|                 | ANT4:8.7*5.8mm                     |
| Antenna Type    | PCB/ Stainless steel antenna       |
| Serial No.      | /                                  |
| Test Item       | Antenna Gain, Radiation pattern    |
| Frequency Range | 5155-5245MHz 5730-5848MHz          |
| Received Date   | 2024.04.28                         |
| Test Date       | 2024.04. 28                        |
| Remark          | The length of the RF cable is 50mm |

The test photos

