

# SPECIFICATION

## SHEET FOR APPROVAL

(Revision: R: A0)

|                  |                      |  |
|------------------|----------------------|--|
| CUSTOMER(客户名称)   | Tonly                |  |
| CS P/N(客户机种)     |                      |  |
| PART NAME(品名)    | ZTX-SWH3-Ant-BT 天线组件 |  |
| MODEL NAME(型号名称) | ZTX-SWH3-BT-V04      |  |
| FREQUENCY(频率)    | 2400~2500MHz         |  |
| CUS.P/N(客户料号)    |                      |  |
| ZTX NO.(物料编号)    | 2.00001707           |  |
| DATE(日期)         | 2025-07-02           |  |

| CUSTOMER      |               |               |                    |
|---------------|---------------|---------------|--------------------|
| QA<br>CHECKED | ME<br>CHECKED | RF<br>CHECKED | MANAGER<br>CHECKED |
|               |               |               |                    |

Remark(备注):

Sign(客户确认签字盖章):

| Shenzhen ZTX Communication Technology Co., Ltd |                    |               |               |        |
|------------------------------------------------|--------------------|---------------|---------------|--------|
| MANAGER<br>CHECKED                             | MANAGER<br>CHECKED | ME<br>CHECKED | RF<br>CHECKED | LISTER |
|                                                |                    | 覃乐            | 刘翠琳           |        |



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# ANTENNA SPECIFICATION

CUS P/N :  
ZTX P/N :SWH3-BT-V04

Application Date:Jul,02,2025  
Editor:

Rev: R:A0  
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## Revision history

| 版本 | 日期         | 状态 |
|----|------------|----|
| A0 | 2025-07-02 | 初版 |
|    |            |    |

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CUS P/N :

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Application Date:Jul,02,2025

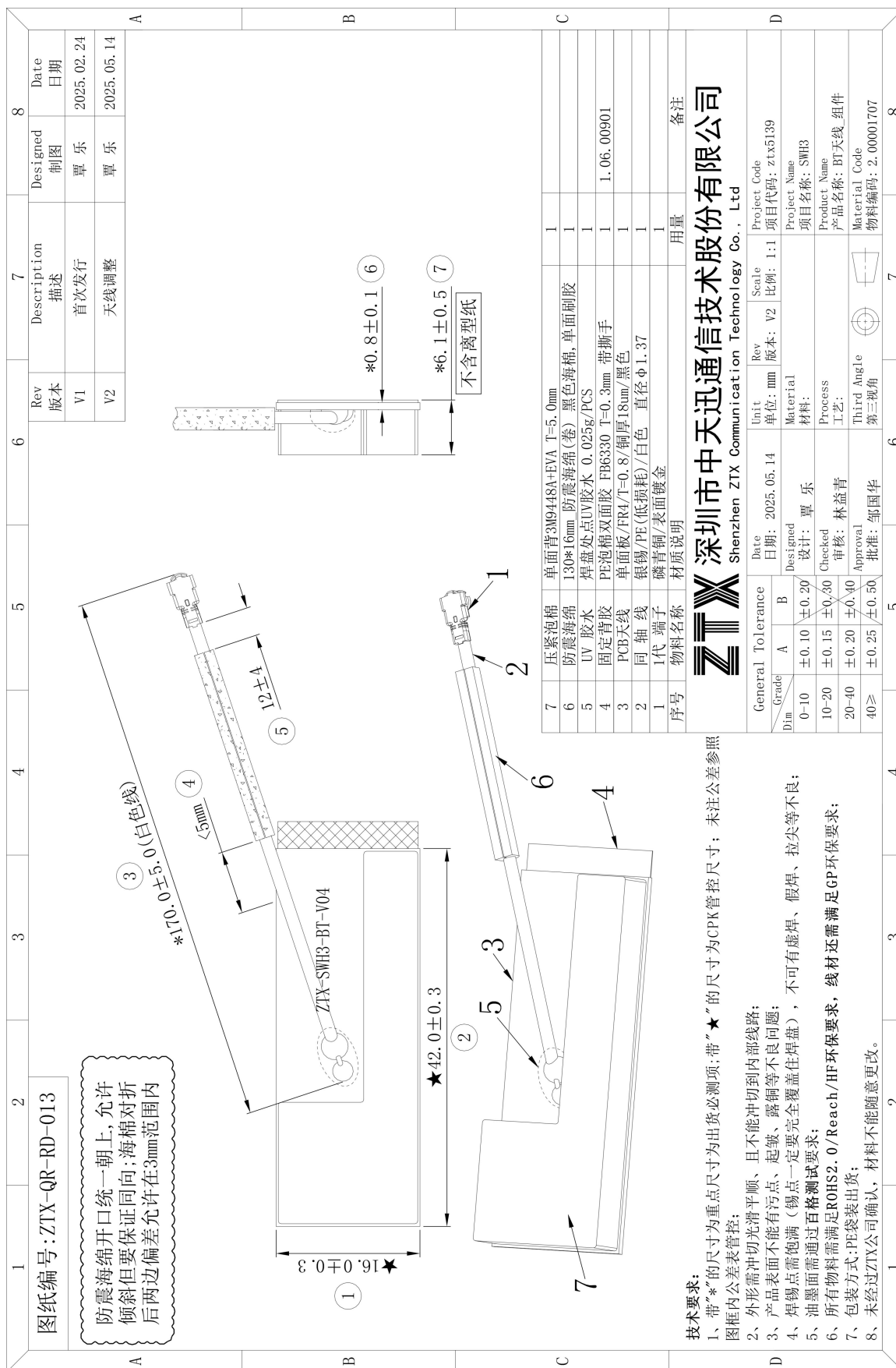
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## 1. Mechanical Specification

## 1-1 Mechanical Configuration (BT 天线组件)



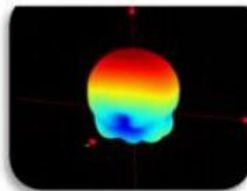
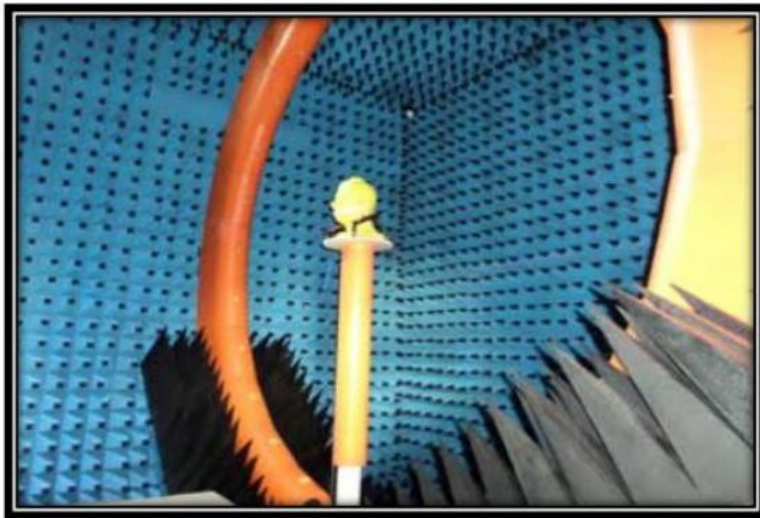
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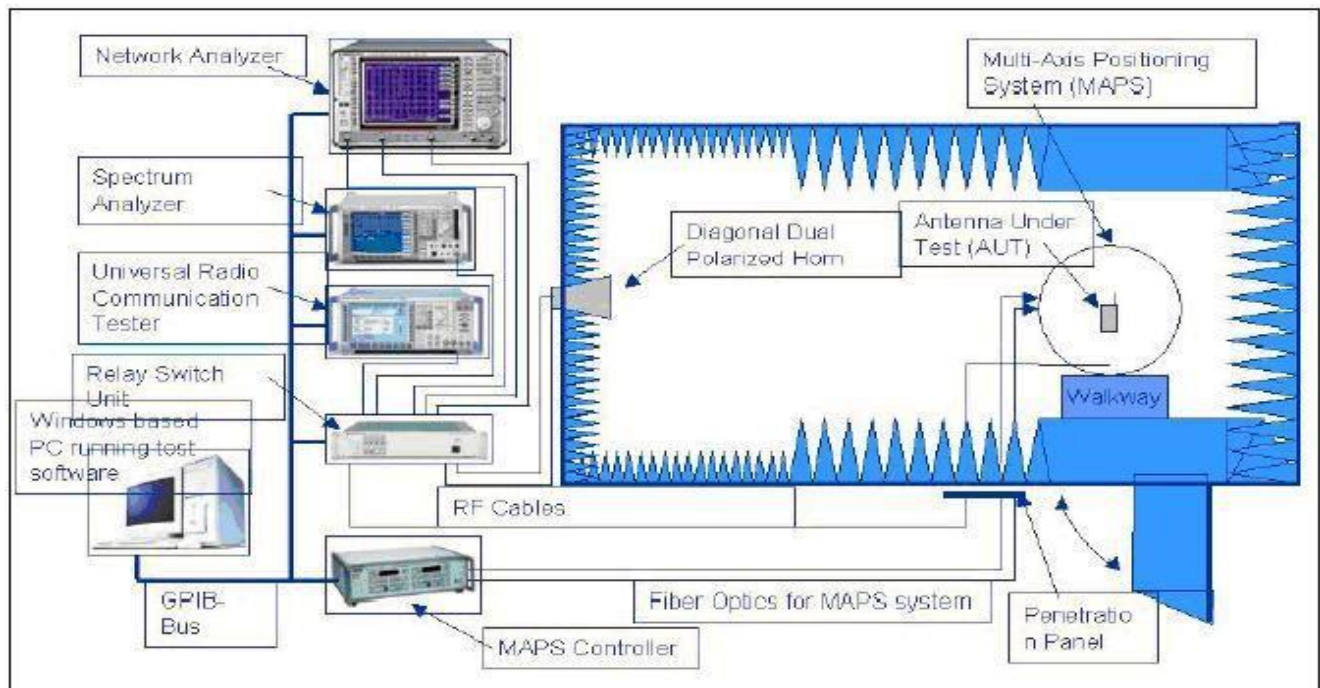
## 2.Test equipment



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

Testing range:

Support active, passive testing of  
GSM/CDMA/WCDMA/TD-  
SCDMA/LTE/WIFI/WLAN/WiMax/BT  
/GPS/MIMO/UWB within 0.4-6G.



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## 2-1 Passive Test

| Frequency<br>(MHz) | Efficiency<br>(%) | Efficiency<br>(dB) | Gain<br>(dBi) |
|--------------------|-------------------|--------------------|---------------|
| 2400               | 56%               | -2.53              | 2.59          |
| 2410               | 55%               | -2.61              | 2.62          |
| 2420               | 57%               | -2.48              | 2.88          |
| 2430               | 57%               | -2.42              | 2.99          |
| 2440               | 55%               | -2.58              | 2.92          |
| 2450               | 55%               | -2.58              | 2.82          |
| 2460               | 56%               | -2.52              | 2.96          |
| 2470               | 55%               | -2.59              | 2.91          |
| 2480               | 55%               | -2.58              | 2.89          |
| 2490               | 53%               | -2.73              | 2.80          |
| 2500               | 53%               | -2.79              | 2.57          |

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## 2-2 2D/3D Radiation Pattern Results

### 2.4G

