

# SPECIFICATION

## SHEET FOR APPROVAL

(Revision: A0)

|                |                  |  |
|----------------|------------------|--|
| CUSTOMER(客户名称) | 可丽通              |  |
| CS P/N(客户机种)   | KLT 蓝牙音频助听器      |  |
| PART NAME(品名)  | BT-天线外壳-LAP 天线成品 |  |
| FREQUENCY(频率)  | 2400~2500MHz     |  |
| CUS NO.(客户编号)  |                  |  |
| ZTX NO.(物料编号)  | 1.20.000145      |  |
| DATE(日期)       | 2025-10-23       |  |

| 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 |
| 研发专用章                                          |                    | 陈正伟           | 冯广权           |        |



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# ANTENNA SPECIFICATION

## Revision history

| 版本 | 日期         | 状态 |
|----|------------|----|
| A0 | 2025-10-23 | 初版 |
|    |            |    |

# ANTENNA SPECIFICATION

CUS P/N:KLT 蓝牙音频助听器\_BT-天线外壳-LAP 天线成品 Application Date:Oct,23,2025

Rev: R:A0

ZTX P/N :KLT 蓝牙音频助听器\_BT-天线外壳-LAP 天线成品 Editor:

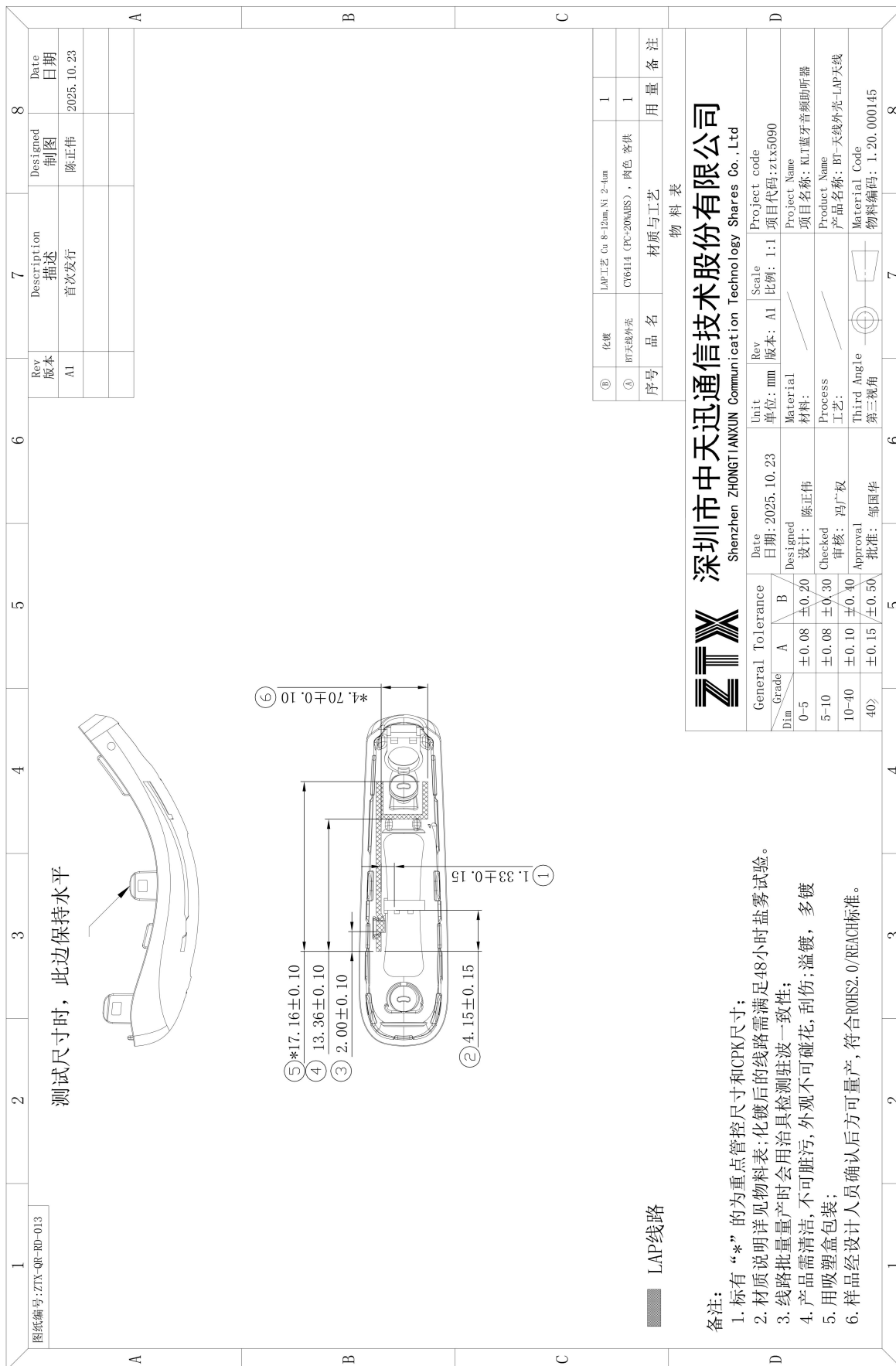
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## 1. Mechanical Specification

## 1-1 Mechanical Configuration (BT-天线外壳-LAP 天线成品)



# ANTENNA SPECIFICATION

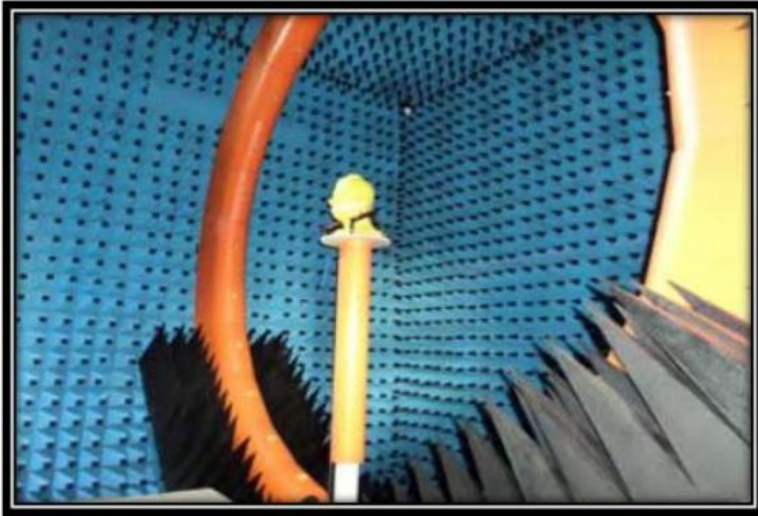
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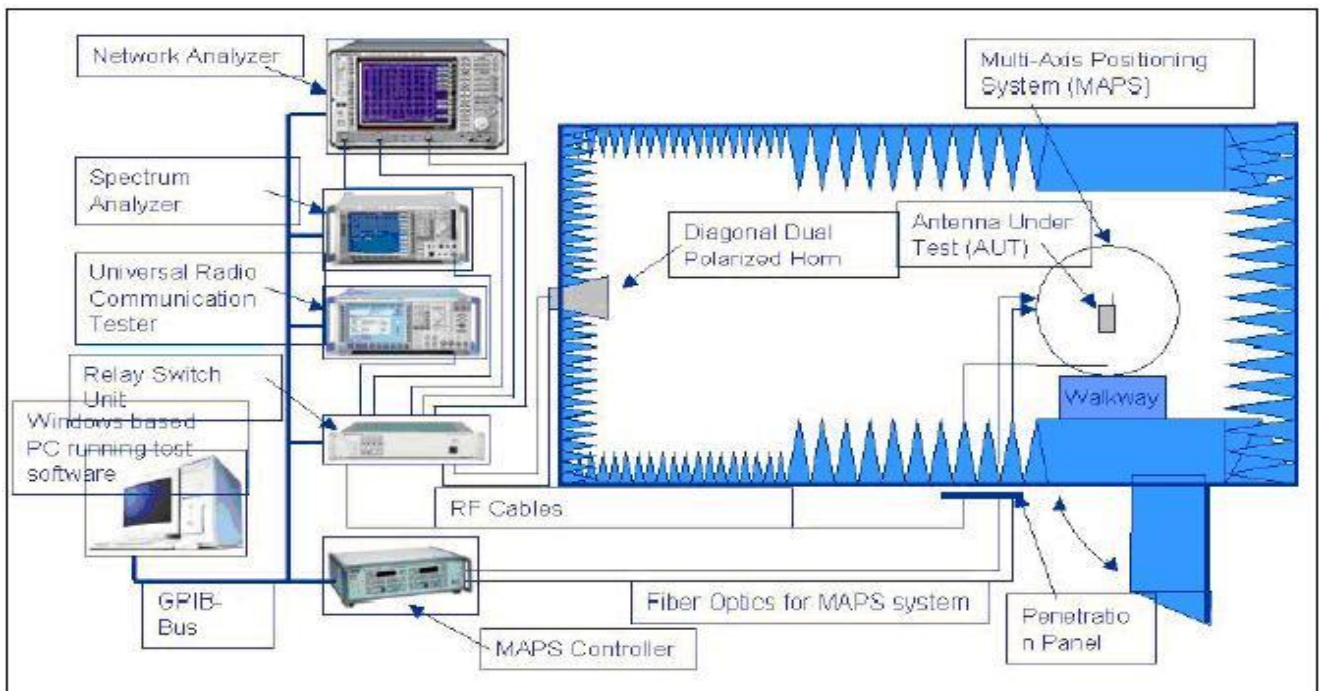
## 2. Test equipment



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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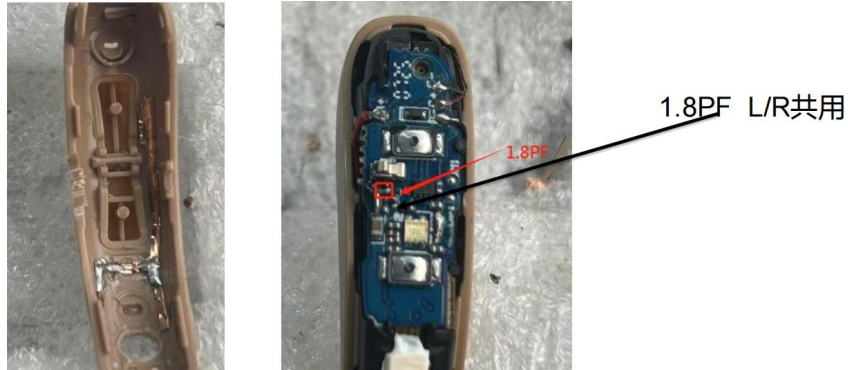
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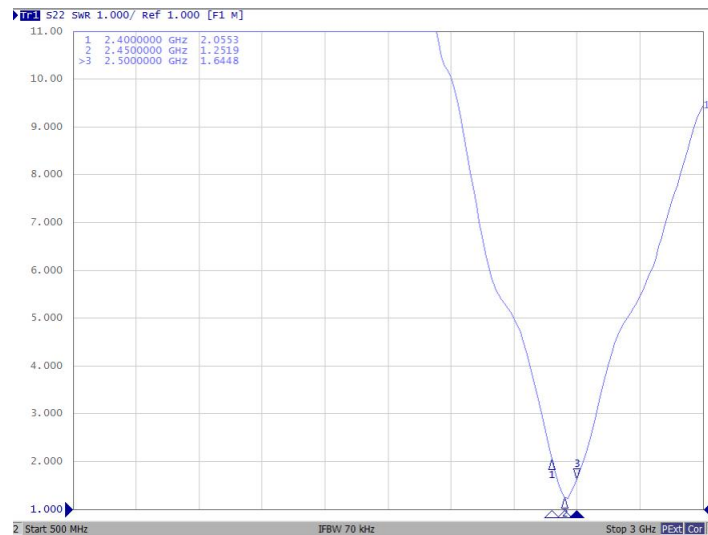
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## 3.Test Results Surmmary

### 3-1 Antenna loading coil



### 3-2 VSWR



### 3-3 Passive Test

| Fre  | Effi | Effi . dB | Gain.dB |
|------|------|-----------|---------|
| 2400 | 23%  | -6.38     | -2.78   |
| 2410 | 24%  | -6.26     | -2.49   |
| 2420 | 25%  | -6.02     | -2.43   |
| 2430 | 26%  | -5.85     | -2.15   |
| 2440 | 26%  | -5.79     | -2.12   |
| 2450 | 25%  | -6.08     | -1.93   |
| 2460 | 26%  | -5.85     | -2.18   |
| 2470 | 24%  | -6.21     | -2.03   |
| 2480 | 23%  | -6.46     | -1.96   |
| 2490 | 25%  | -6.02     | -1.86   |
| 2500 | 25%  | -6.05     | -1.59   |