

致（TO）：东莞勤增电声科技有限公司

日期：2024 年 5 月 27 日

# 承 認 書

(APPROVAL SHEET)

ROHS ☐

REACH ☐

CP65 ☐

HF ☐

品 名 :

PART NAME : KT828

规 格 :

SPECIFICATION: 2.4G antenna components

勤 增 料 号 :

\_\_\_\_\_

|                                             |             |
|---------------------------------------------|-------------|
| 承 認 章                                       | APPROVED BY |
| <div>2024.06.27<br/>Le. Qin<br/>研发专用章</div> |             |

# SPECIFICATION

## SHEET FOR APPROVAL

(Revision: R: A0)

|  |           |                         |  |
|--|-----------|-------------------------|--|
|  | CUSTOMER  | Kan Tsang               |  |
|  | CS P/N    | KT828                   |  |
|  | PART NAME | 2.4G antenna components |  |
|  | FREQUENCY | 2400~2500MHz            |  |
|  | ZTX NO.   | 2.00001145              |  |
|  | DATE      | 2024-06-27              |  |

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

Remark:

Sign:

| Shenzhen ZTX Communication Technology Co., Ltd |                    |               |               |        |
|------------------------------------------------|--------------------|---------------|---------------|--------|
| MANAGER<br>CHECKED                             | MANAGER<br>CHECKED | ME<br>CHECKED | RF<br>CHECKED | LISTER |
| Le.Qin                                         |                    | Qiong.Huang   |               |        |



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Tel.: 0755-27588320 Fax: 0755-27588045 <http://www.chinaztx.com>

# ANTENNA SPECIFICATION

CUS P/N : KT828\_2.4G antenna components

Application Date:Jun,27,2024

Rev: R:A0

ZTX P/N : KT828\_2.4G antenna components

Editor:

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## Revision history

| edition | date       | status        |
|---------|------------|---------------|
| A0      | 2024-06-27 | first edition |
|         |            |               |

# ANTENNA SPECIFICATION

CUS P/N : KT828\_2.4G antenna components

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# ANTENNA SPECIFICATION

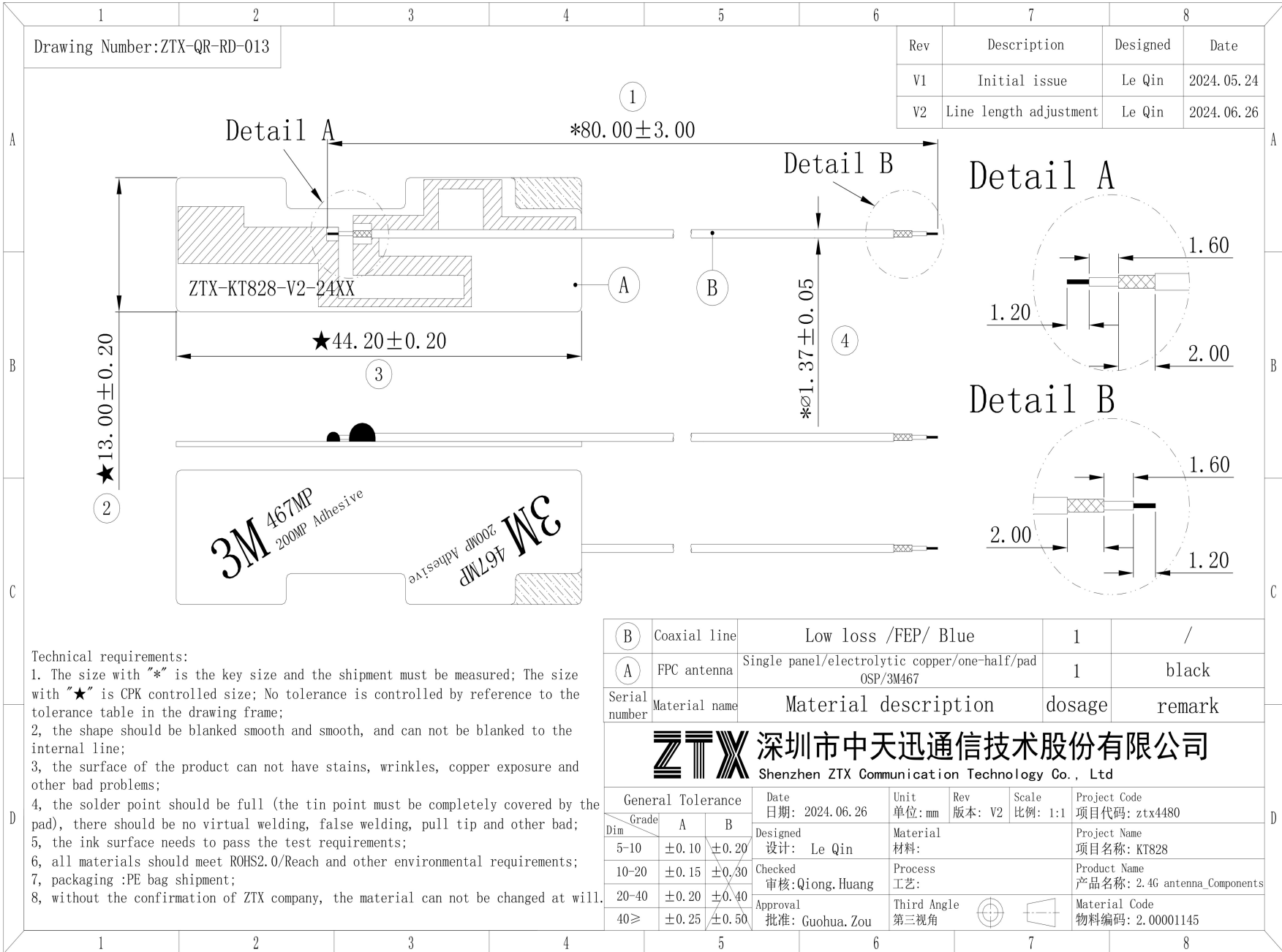
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## 1.Mechanical Specification

### 1-1 Mechanical Configuration ( 2.4G antenna components )



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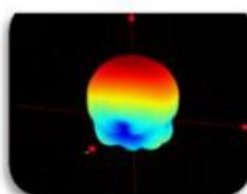
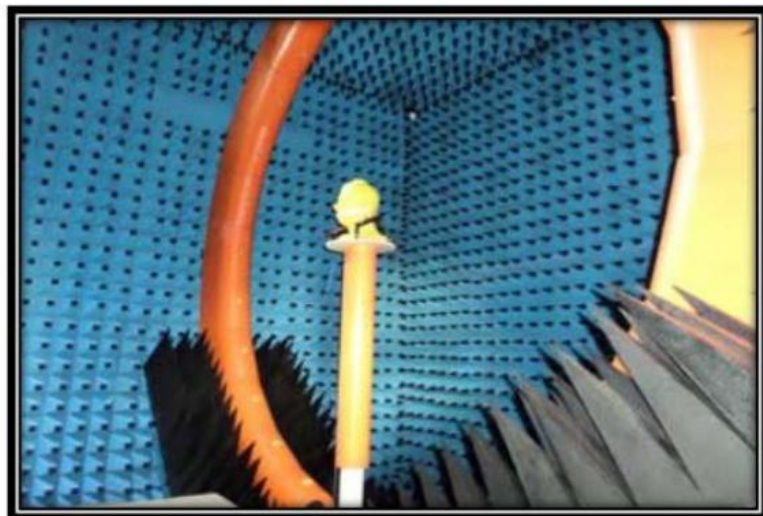
Application Date: Jun, 27, 2024

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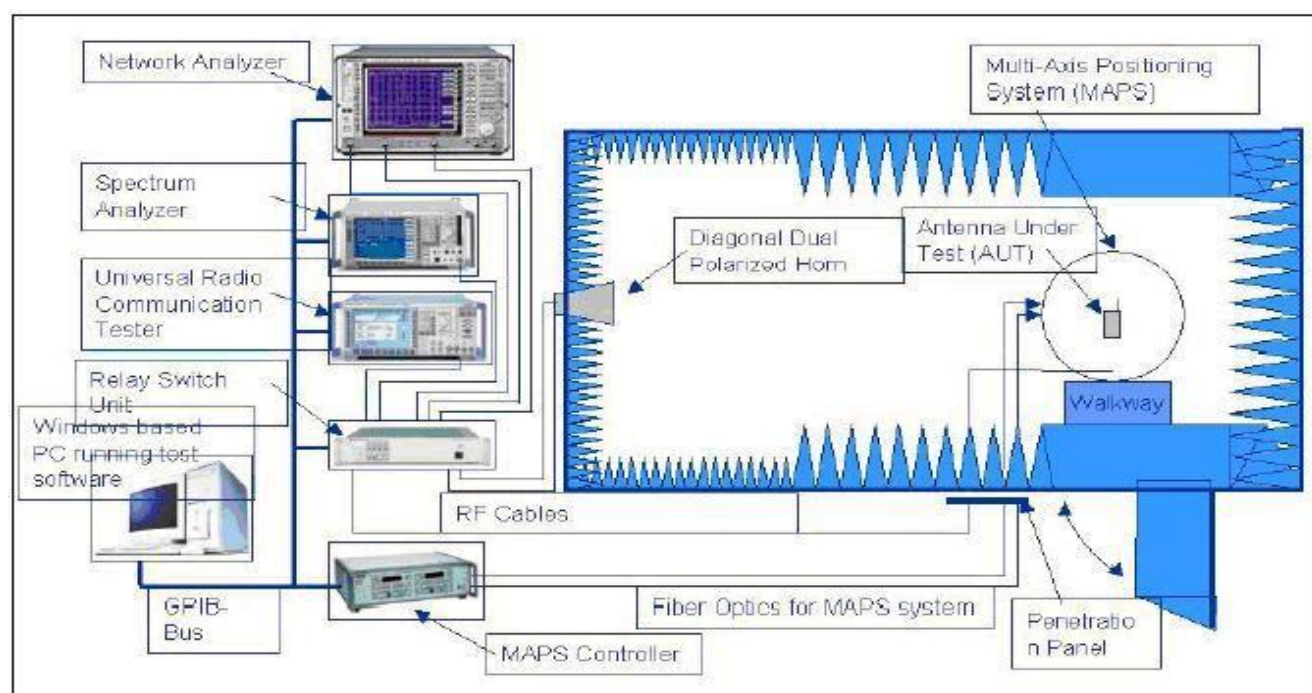
## 2. Test equipment



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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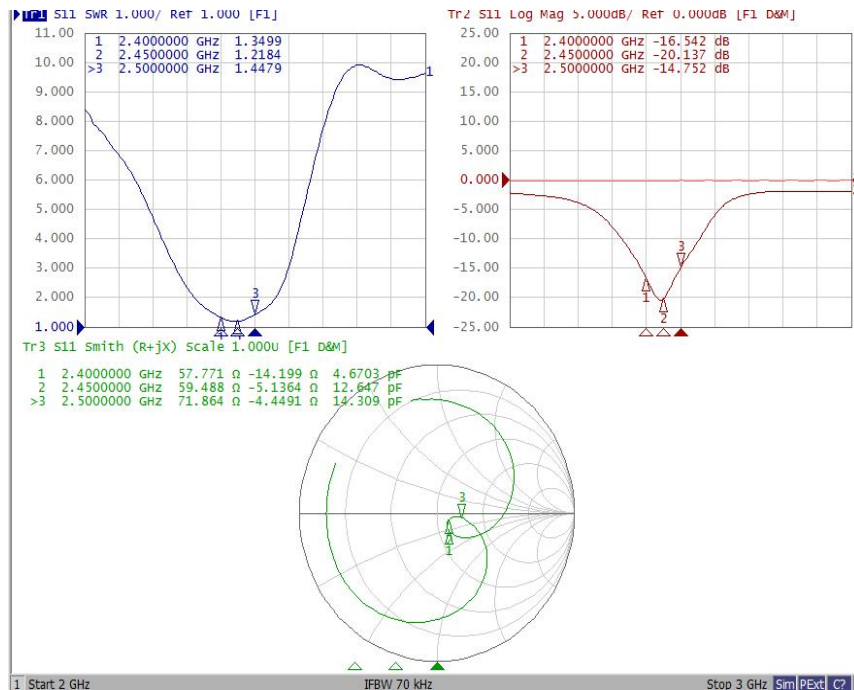
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## 2-1 VSWR



## 2-2 Passive Test

### 2-2 Passive Test

| Frequency | Efficiency | Efficiency . dB | Gain . dB |
|-----------|------------|-----------------|-----------|
| 2400      | 62%        | -2.11           | 2.56      |
| 2410      | 61%        | -2.13           | 2.13      |
| 2420      | 62%        | -2.11           | 2.75      |
| 2430      | 62%        | -2.06           | 2.64      |
| 2440      | 62%        | -2.05           | 2.37      |
| 2450      | 62%        | -2.09           | 2.78      |
| 2460      | 62%        | -2.11           | 2.93      |
| 2470      | 62%        | -2.06           | 3.12      |
| 2480      | 63%        | -1.99           | 3.06      |
| 2490      | 64%        | -1.94           | 3.23      |
| 2500      | 65%        | -1.90           | 3.04      |

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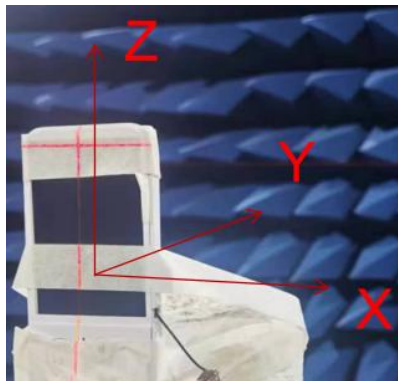
Rev: R:A0

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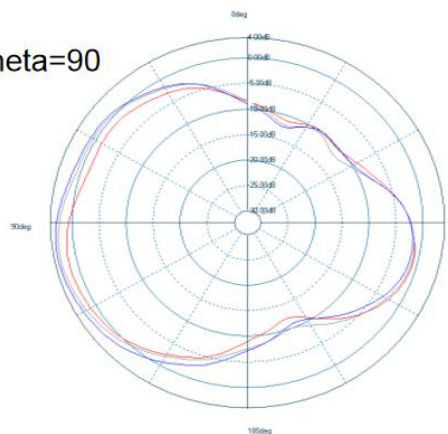
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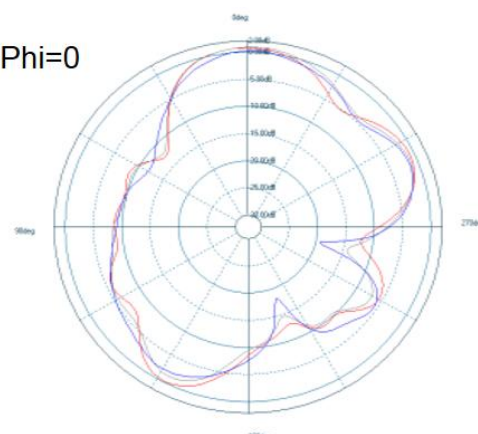
## 2-3 2D/3D Radiation Pattern Results



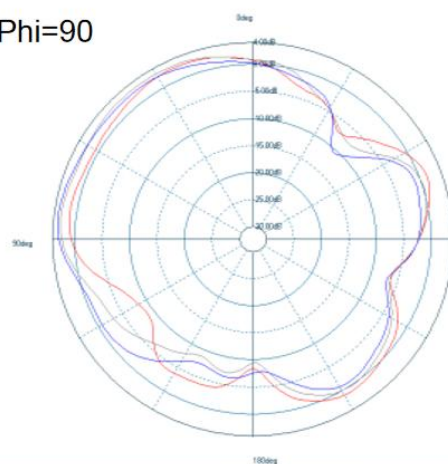
Theta=90



Phi=0



Phi=90



3D

