

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A0)

| | |
|----------------|--------------|
| CUSTOMER(客户名称) | 广州鸿顶 |
| CS P/N(客户机种) | 夜视监控Q8 |
| PART NAME(品名) | WIFI天线组件 |
| FREQUENCY(频率) | 2400~2500MHz |
| CUS NO.(物料编号) | |
| ZTX NO.(物料编号) | 2.00006429 |
| DATE(日期) | 2024/1/23 |

| CUSTOMER | | | |
|---------------|---------------|---------------|--------------------|
| QA CHECKED | ME CHECKED | RF CHECKED | MANAGER CHECKED |
| | | | |

Remark(备注):

Sign(客户确认签字盖章):

| Shenzhen ZTX Communication Technology Co., Ltd | | | | |
|--|--------------------|---------------|---------------|--------|
| MANAGER CHECKED | MANAGER CHECKED | ME CHECKED | RF CHECKED | LISTER |
| | | 柯友杰 | 冯家能 | |

ZTX 中天迅

Shenzhen ZTX Communication Technology Co., Ltd

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Revision history

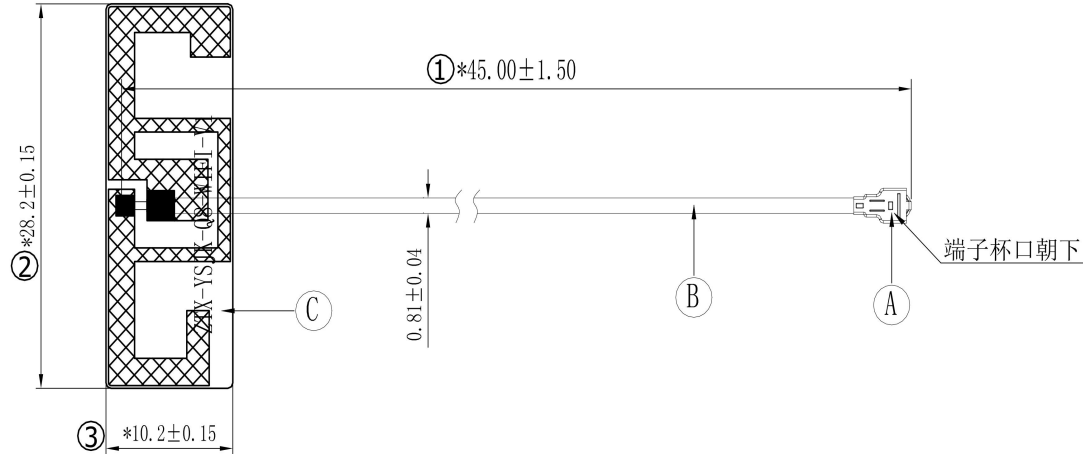
| 版本 | 日期 | 状态 |
|----|-----------|----|
| A0 | 2024/1/23 | 初版 |
| | | |
| | | |
| | | |

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图纸编号: ZTX-QR-RD-013

| Rev 版本 | Description 描述 | Designed 制图 | Date 日期 |
|--------|----------------|-------------|------------|
| V1 | 首次发行 | 柯友杰 | 2024.01.23 |



备注:

- 1: 图中所标注尺寸为重点管控尺寸, 带“*”的尺寸为IQC必测项; 未注公差参照图框内公差表管控;
- 2: 锡点焊接光亮饱满, 不能假焊、虚焊、短路等不良问题。
- 3: 锡点焊接光亮饱满, 不能假焊、虚焊、短路等不良问题。
- 5, 出货前要全检外观和性能;
- 6: 墨面需通过百格测试要求。
- 7: 产品需定数按要求包装好, 运输过程中不能有明显挤压变形等现象。
- 8: 未经过ZTX公司确认, 材质及工艺要求等不能随意更改。
- 9: 所有材料符合RoHS2.0+REACH + HF要求。

材质说明:

| 序号 | 部件名称 | 材质工艺 | 料号 |
|----|---------|----------------|----|
| ① | RF 端子2代 | 磷青铜(镀金) | |
| ② | 同轴线 | 0.81 银锡/FEP/黑色 | |
| ③ | FPC | PI基材/黑色油墨 | |

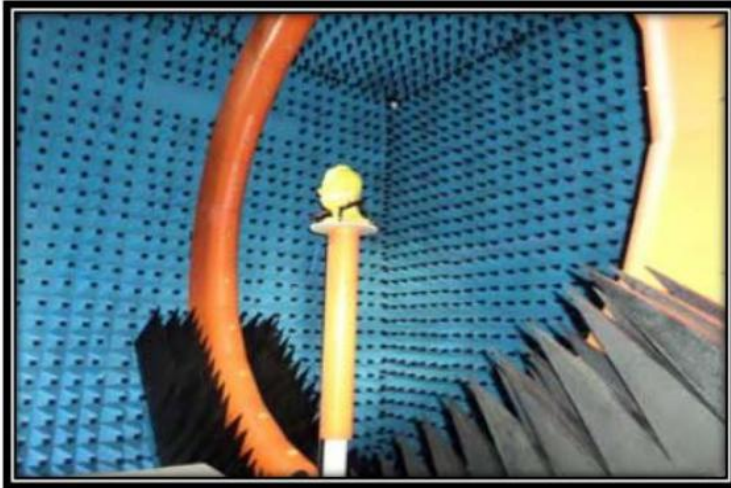


深圳市中天迅通信技术有限公司

Shenzhen ZHONGTIANXUN Communication Technology Shares Co., Ltd

| General Tolerance | | | Date 日期: 2024.01.23 | Unit 单位: mm | Rev 版本: V1 | Scale 比例: 1:1 | Project code 项目代码: ztx3771 |
|-------------------|-------|-------------|---------------------|------------------|------------|--------------------------------|----------------------------|
| Dim | Grade | A B | Designed 设计: 柯友杰 | Material 材料: | | Project Name. 项目名称: 夜视监控Q8 | |
| 0-10 | | ±0.10 ±0.20 | Checked 审核: 冯家能 | Process 工艺: | | Product Name 产品名称: WIFI-天线组件 | |
| 10-20 | | ±0.15 ±0.30 | Approval 批准: 邹国华 | Third Angle 第三视角 | | Material Code 物料编码: 2.00006429 | |
| 20-40 | | ±0.20 ±0.40 | | | | | |
| 40> | | ±0.25 ±0.50 | | | | | |

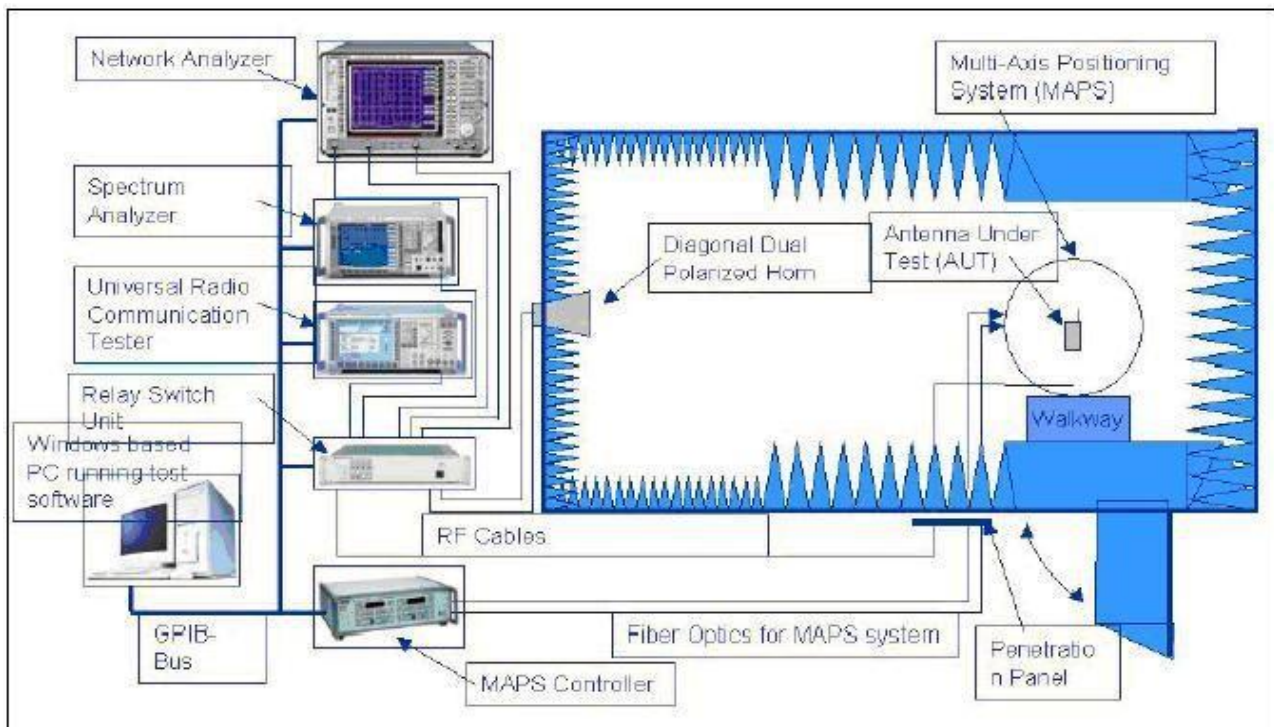
2. Test equipment



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.

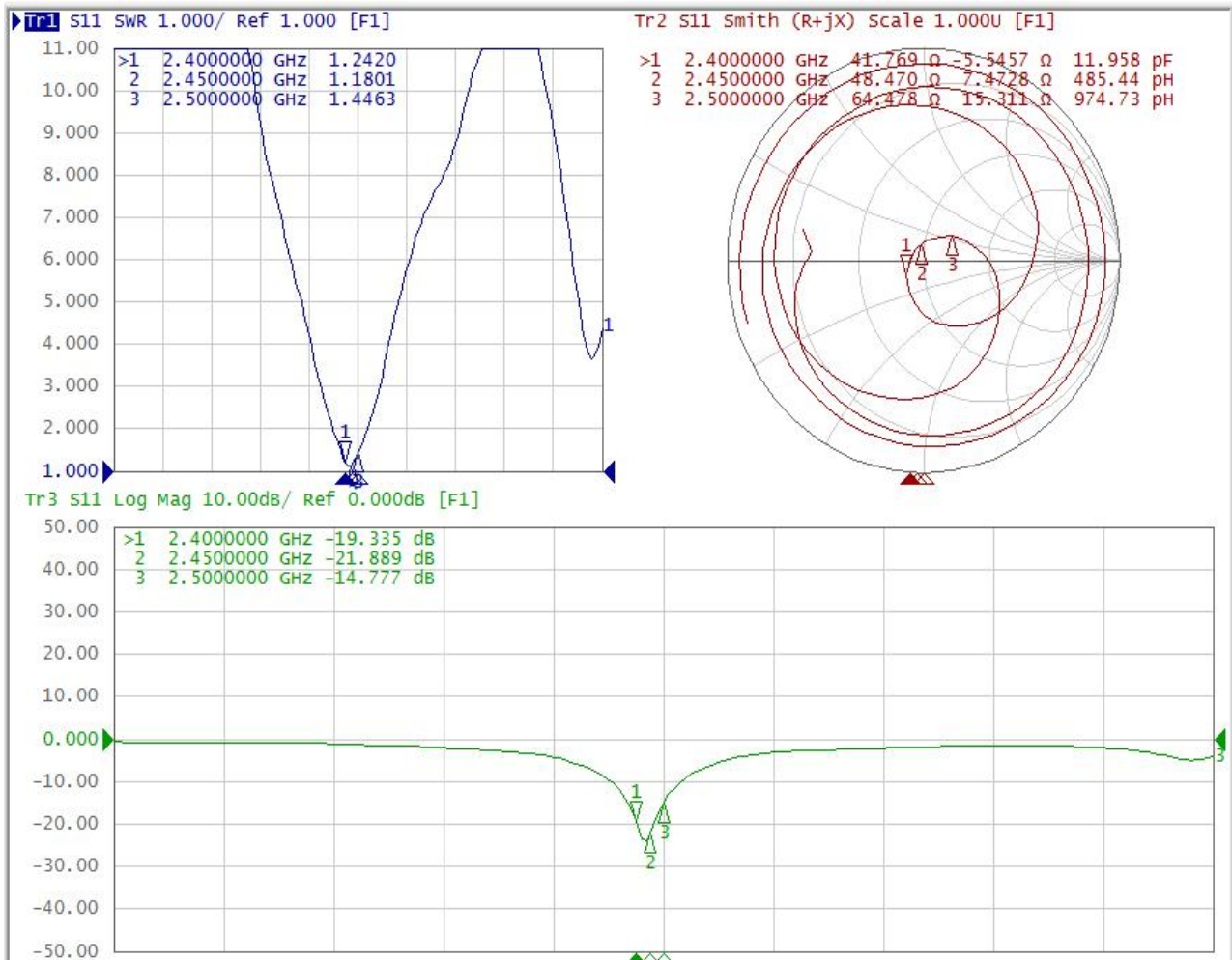
Testing range:

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



3. Test Results Summary

3-1 VSWR



3-2 Active test

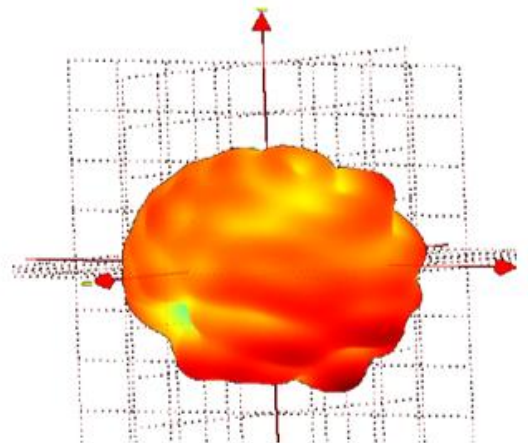
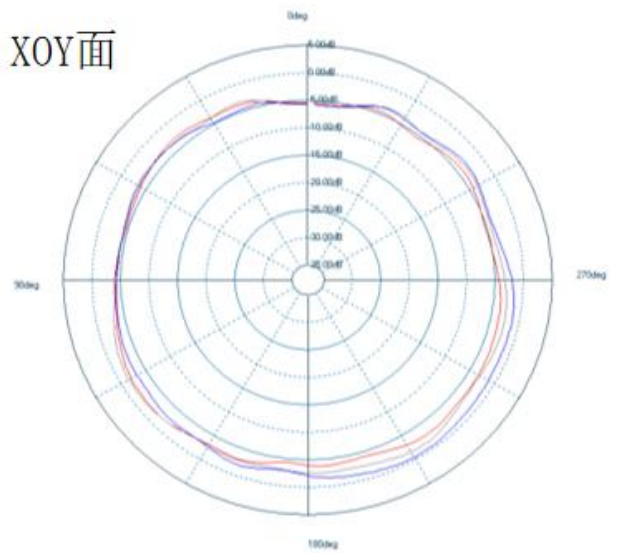
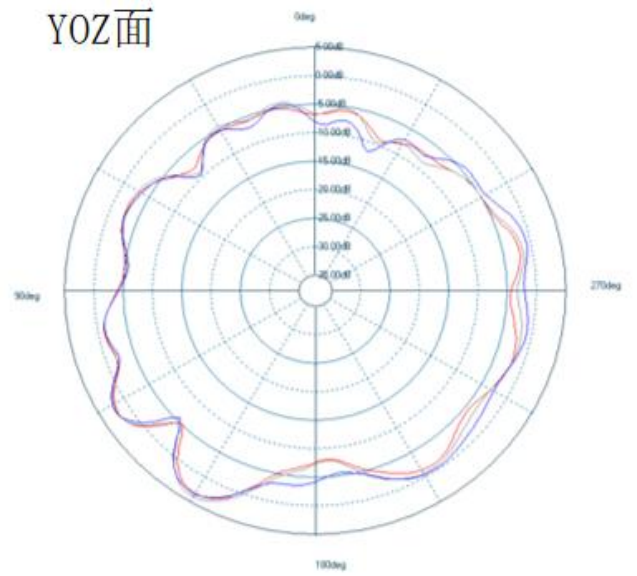
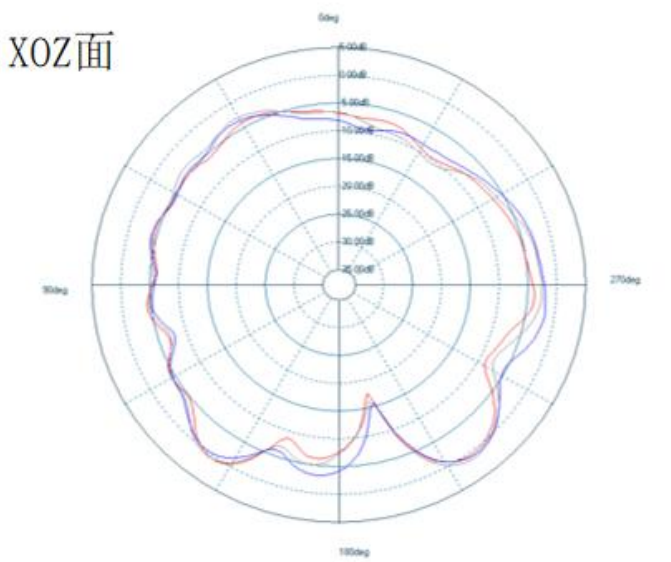
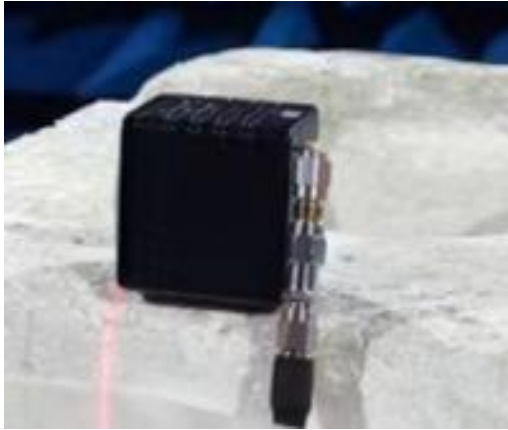
| fpc天线 | | |
|-------|----------|-----------|
| B模式 | TRP (1M) | TIS (11M) |
| 1 | 10.51 | -61.34 |
| 6 | 10.59 | -60.58 |
| 11 | 10.24 | -61.24 |



3-3 Passive Test

| Frequency | Efficiency | Efficiency . dB | Gain . dB |
|-----------|------------|-----------------|-----------|
| 2400 | 55% | -2.60 | 3.43 |
| 2410 | 56% | -2.52 | 3.45 |
| 2420 | 55% | -2.60 | 3.53 |
| 2430 | 56% | -2.52 | 3.76 |
| 2440 | 56% | -2.52 | 3.79 |
| 2450 | 56% | -2.52 | 3.98 |
| 2460 | 54% | -2.68 | 3.63 |
| 2470 | 56% | -2.52 | 3.55 |
| 2480 | 56% | -2.52 | 3.40 |
| 2490 | 56% | -2.52 | 3.33 |
| 2500 | 57% | -2.44 | 3.51 |

3-4 2D/3D Radiation Pattern Results



3-5 Environment treatment

