

## CE EMC TEST REPORT

|                             |   |                                                                               |
|-----------------------------|---|-------------------------------------------------------------------------------|
| <b>Applicant</b>            | : | Jiangsu Yitong High-Tech Co.,Ltd.                                             |
| <b>Address</b>              | : | No.28 Tonglin Road, Changshu, Jiangsu, China                                  |
| <b>Manufacturer</b>         | : | Jiangsu Yitong High-Tech Co.,Ltd.                                             |
| <b>Address</b>              | : | No.28 Tonglin Road, Changshu, Jiangsu, China                                  |
| <b>Equipment under Test</b> | : | MoCA 2.5 Adapter                                                              |
| <b>Model No.</b>            | : | YTMC-51N2-M3,KB-M3-02L, MN2550, CP20300017,<br>DOC 1G,011202,011203,TDNM251X2 |
| <b>Trade Mark</b>           | : | N/A                                                                           |
| <b>Report No.</b>           | : | LS-R26041004-1E01                                                             |
| <b>Issue Date</b>           | : | May. 12, 2026                                                                 |



**LabSure Testing Services (Tianjin) Co., Ltd.**

## CONTENTS

|                                                           |    |
|-----------------------------------------------------------|----|
| 1 Summary of Test Results .....                           | 6  |
| 2 General Test Information .....                          | 7  |
| 2.1 Description of EUT .....                              | 7  |
| 2.2 Primary Function of EUT .....                         | 7  |
| 2.3 Port of EUT .....                                     | 7  |
| 2.4 Accessories of EUT .....                              | 8  |
| 2.5 Test peripherals .....                                | 8  |
| 2.6 Block diagram EUT configuration for test .....        | 8  |
| 2.7 EUT operating mode(s) .....                           | 8  |
| 2.8 Performance Criteria .....                            | 8  |
| 2.9 Deviations of test standard .....                     | 9  |
| 2.10 Test laboratory .....                                | 9  |
| 2.11 Measurement uncertainty .....                        | 10 |
| 2.12 Abbreviations .....                                  | 10 |
| 3 Conducted Emissions (AC mains power ports) .....        | 11 |
| 3.1 General Information .....                             | 11 |
| 3.2 Test Equipment .....                                  | 11 |
| 3.3 Reference Standard .....                              | 11 |
| 3.4 Test Arrangement .....                                | 11 |
| 3.5 Test Specification and Limit .....                    | 12 |
| 3.6 Test Result .....                                     | 12 |
| 4 Conducted Emissions (asymmetric mode) .....             | 15 |
| 4.1 General Information .....                             | 15 |
| 4.2 Test Equipment .....                                  | 15 |
| 4.3 Reference Standard .....                              | 15 |
| 4.4 Test Arrangement .....                                | 15 |
| 4.5 Test Specification and Limit .....                    | 16 |
| 4.6 Test Result .....                                     | 16 |
| 5 Radiated Emissions (30MHz to 1GHz) .....                | 18 |
| 5.1 General Information .....                             | 18 |
| 5.2 Test Equipment .....                                  | 18 |
| 5.3 Reference Standard .....                              | 18 |
| 5.4 Test Arrangement .....                                | 19 |
| 5.5 Test Specification and Limit .....                    | 19 |
| 5.6 Test Result .....                                     | 20 |
| 6 Radiated Emissions (Above 1GHz) .....                   | 23 |
| 6.1 General Information .....                             | 23 |
| 6.2 Test Equipment .....                                  | 23 |
| 6.3 Reference Standard .....                              | 23 |
| 6.4 Test Arrangement .....                                | 24 |
| 6.5 Test Specification and Limit .....                    | 24 |
| 6.6 Test Result .....                                     | 25 |
| 7 Harmonic Current Emissions .....                        | 28 |
| 7.1 General Information .....                             | 28 |
| 7.2 Test Equipment .....                                  | 28 |
| 7.3 Reference Standard .....                              | 28 |
| 7.4 Test Arrangement .....                                | 28 |
| 7.5 Test Specification and Limit .....                    | 28 |
| 7.6 Test Result .....                                     | 29 |
| 8 Voltage Changes, Voltage Fluctuations and Flicker ..... | 30 |
| 8.1 General Information .....                             | 30 |
| 8.2 Test Equipment .....                                  | 30 |
| 8.3 Reference Standard .....                              | 30 |
| 8.4 Test Arrangement .....                                | 30 |
| 8.5 Test Specification and Limit .....                    | 30 |
| 8.6 Test Result .....                                     | 31 |

|                                                                                |    |
|--------------------------------------------------------------------------------|----|
| 9 Electrostatic Discharge Immunity .....                                       | 32 |
| 9.1 General Information .....                                                  | 32 |
| 9.2 Test Equipment .....                                                       | 32 |
| 9.3 Reference Standard .....                                                   | 32 |
| 9.4 Test Arrangement .....                                                     | 32 |
| 9.5 Test Specification and Limit .....                                         | 33 |
| 9.6 Test Result .....                                                          | 33 |
| 10 Radiated, Radio-frequency, Electromagnetic Field Immunity .....             | 39 |
| 10.1 General Information .....                                                 | 39 |
| 10.2 Test Equipment .....                                                      | 39 |
| 10.3 Reference Standard .....                                                  | 39 |
| 10.4 Test Arrangement .....                                                    | 40 |
| 10.5 Test Specification and Limit .....                                        | 40 |
| 10.6 Test Result .....                                                         | 41 |
| 11 Electrical Fast Transient/Burst Immunity .....                              | 42 |
| 11.1 General Information .....                                                 | 42 |
| 11.2 Test Equipment .....                                                      | 42 |
| 11.3 Reference Standard .....                                                  | 42 |
| 11.4 Test Arrangement .....                                                    | 43 |
| 11.5 Test Specification and Limit .....                                        | 44 |
| 11.6 Test Result .....                                                         | 44 |
| 12 Surge Immunity .....                                                        | 46 |
| 12.1 General Information .....                                                 | 46 |
| 12.2 Test Equipment .....                                                      | 46 |
| 12.3 Reference Standard .....                                                  | 46 |
| 12.4 Test Arrangement .....                                                    | 47 |
| 12.5 Test Specification and Limit .....                                        | 47 |
| 12.6 Test Result .....                                                         | 48 |
| 13 Immunity to Conducted Disturbances, Induced by Radio-frequency Fields ..... | 49 |
| 13.1 General Information .....                                                 | 49 |
| 13.2 Test Equipment .....                                                      | 49 |
| 13.3 Reference Standard .....                                                  | 49 |
| 13.4 Test Arrangement .....                                                    | 50 |
| 13.5 Test Specification and Limit .....                                        | 51 |
| 13.6 Test Result .....                                                         | 51 |
| 14 Power Frequency Magnetic Field Immunity .....                               | 53 |
| 14.1 General Information .....                                                 | 53 |
| 14.2 Test Equipment .....                                                      | 53 |
| 14.3 Reference Standard .....                                                  | 53 |
| 14.4 Test Arrangement .....                                                    | 54 |
| 14.5 Test Specification and Limit .....                                        | 54 |
| 14.6 Test Result .....                                                         | 54 |
| 15 Voltage Dips, Short Interruptions and Voltage Variations Immunity .....     | 55 |
| 15.1 General Information .....                                                 | 55 |
| 15.2 Test Equipment .....                                                      | 55 |
| 15.3 Reference Standard .....                                                  | 55 |
| 15.4 Test Arrangement .....                                                    | 55 |
| 15.5 Test Specification and Limit .....                                        | 56 |
| 15.6 Test Result .....                                                         | 56 |
| Annex A. Test Setup Photos .....                                               | 57 |
| Annex B. Photos of EUT .....                                                   | 70 |

## Test Report Declare

|                             |   |                                                                               |
|-----------------------------|---|-------------------------------------------------------------------------------|
| <b>Applicant</b>            | : | Jiangsu Yitong High-Tech Co.,Ltd.                                             |
| <b>Address</b>              | : | No.28 Tonglin Road, Changshu, Jiangsu, China                                  |
| <b>Manufacturer</b>         | : | Jiangsu Yitong High-Tech Co.,Ltd.                                             |
| <b>Address</b>              | : | No.28 Tonglin Road, Changshu, Jiangsu, China                                  |
| <b>Equipment under Test</b> | : | MoCA 2.5 Adapter                                                              |
| <b>Model No.</b>            | : | YTMC-51N2-M3,KB-M3-02L, MN2550, CP20300017,<br>DOC 1G,011202,011203,TDNM251X2 |
| <b>Trade Mark</b>           | : | N/A                                                                           |

**Test Standard Used:**

EN 55032:2015,EN 55032:2015/A11:2020,EN 55032:2015/A1:2020, EN 55035:2017,  
EN 55035:2017/A11:2020,EN IEC 61000-3-2:2019+A1:2021+A2:2024,  
EN 61000-3-3:2013+A1:2019+A2:2021

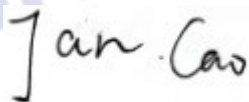
**We Declare:**

The equipment described above is tested and assessed by LabSure Testing Services (Tianjin) Co., Ltd. and in the configuration assessed the equipment complied with the standards specified above. The tested and assessed results are contained in this test report and LabSure Testing Services (Tianjin) Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these assessments.

**After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above standards.**

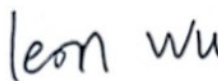
|                         |                   |                      |                             |
|-------------------------|-------------------|----------------------|-----------------------------|
| <b>Report No.:</b>      | LS-R26041004-1E01 |                      |                             |
| <b>Date of Receipt:</b> | Apr. 21, 2026     | <b>Date of Test:</b> | Apr. 21, 2026~May. 02, 2026 |

Prepared By:



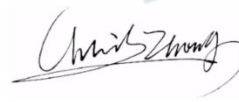
Jan Cao/Engineer

Reviewed By:



Leon Wu/Director

Authorized By:



Chris Zhong/ Director

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of LabSure Testing Services (Tianjin) Co., Ltd. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification. The results reported herein have been performed in accordance with the laboratory's terms of accreditation.

### Revision History

| Rev. | Revisions                                                                                                | Issue Date    | Revised By |
|------|----------------------------------------------------------------------------------------------------------|---------------|------------|
| ---  | Initial issue                                                                                            | Nov. 28, 2024 | Jan Cao    |
| V1   | Based on the original report(DDT-B24103004-1E01). According to customer requirements, add a new adapter. | May. 12, 2026 | Jan Cao    |



## 1 Summary of Test Results

| Description of Test Item                                              | Standard                                                                | Result |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------|--------|
| Conducted Emissions (AC mains power ports)                            | EN 55032:2015,<br>EN 55032:2015/A11:2020,<br>EN 55032:2015/A1:2020      | Pass   |
| Conducted Emissions (asymmetric mode)                                 | EN 55032:2015,<br>EN 55032:2015/A11:2020,<br>EN 55032:2015/A1:2020      | Pass   |
| Radiated Emissions (30MHz to 1GHz)                                    | EN 55032:2015,<br>EN 55032:2015/A11:2020,<br>EN 55032:2015/A1:2020      | Pass   |
| Radiated Emissions (Above 1GHz)                                       | EN 55032:2015,<br>EN 55032:2015/A11:2020,<br>EN 55032:2015/A1:2020      | Pass   |
| Harmonic Current Emissions                                            | EN IEC 61000-3-2:2019+A1:2021+A2:2024                                   | Pass   |
| Voltage Changes, Voltage Fluctuations and Flicker                     | EN 61000-3-3:2013+A1:2019+A2:2021                                       | Pass   |
| Electrostatic Discharge Immunity                                      | EN 55035:2017,<br>EN 55035:2017/A11:2020<br>IEC 61000-4-2:2025          | Pass   |
| Radiated, Radio-frequency, Electromagnetic Field Immunity             | EN 55035:2017,<br>EN 55035:2017/A11:2020,<br>IEC 61000-4-3:2020         | Pass   |
| Electrical Fast Transient/Burst Immunity                              | EN 55035:2017,<br>EN 55035:2017/A11:2020,<br>IEC 61000-4-4:2012         | Pass   |
| Surge Immunity                                                        | EN 55035:2017,<br>EN 55035:2017/A11:2020,<br>IEC 61000-4-5:2014+A1:2017 | Pass   |
| Immunity to Conducted Disturbances, Induced by Radio-frequency Fields | EN 55035:2017,<br>EN 55035:2017/A11:2020,<br>IEC 61000-4-6:2023         | Pass   |
| Power Frequency Magnetic Field Immunity                               | EN 55035:2017,<br>EN 55035:2017/A11:2020,<br>IEC 61000-4-8:2009         | Pass   |
| Voltage Dips, Short Interruptions and Voltage Variations Immunity     | EN 55035:2017,<br>EN 55035:2017/A11:2020,<br>IEC 61000-4-11:2020        | Pass   |

Note: The measurement result for the sample received is <Pass> according to standard listed above when <Simple Acceptance> decision rule is applied.

## 2 General Test Information

### 2.1 Description of EUT

|                               |   |                                                                                                                           |
|-------------------------------|---|---------------------------------------------------------------------------------------------------------------------------|
| <b>EUT Name</b>               | : | MoCA 2.5 Adapter                                                                                                          |
| <b>Model Number</b>           | : | YTMC-51N2-M3, KB-M3-02L, MN2550, CP20300017、DOC 1G, 011202, 011203, TDNM251X2                                             |
| <b>Model Differences</b>      | : | The circuit and function of these products are the same. The only difference is the model number for different customers. |
| <b>Test Model</b>             | : | YTMC-51N2-M3                                                                                                              |
| <b>Sample No.</b>             | : | Y26041004-01                                                                                                              |
| <b>Power supply</b>           | : | AC 100V- AC 240V, 50/60Hz                                                                                                 |
| <b>Test Power supply</b>      | : | AC 230V 50Hz, AC 100V 60Hz                                                                                                |
| <b>EUT Class</b>              | : | Class B                                                                                                                   |
| <b>Maximum work frequency</b> | : | 1675MHz                                                                                                                   |

### 2.2 Primary Function of EUT

| Function                     | Description      |
|------------------------------|------------------|
| Broadcast reception function | N/A              |
| Print                        | N/A              |
| Scan                         | N/A              |
| Display or display output    | N/A              |
| Musical tone generating      | N/A              |
| Networking                   | Network Function |
| Audio output                 | N/A              |
| Telephony                    | N/A              |
| Bluetooth                    | N/A              |
| Other                        | N/A              |

### 2.3 Port of EUT

| Port                          | Description          |
|-------------------------------|----------------------|
| AC mains power ports          | AC mains power ports |
| DC network power port         | N/A                  |
| Wired network port            | Two Network ports    |
| Signal data/control port      | N/A                  |
| Antenna port                  | Two Antenna ports    |
| Broadcast receiver tuner port | N/A                  |
| Audio output port             | N/A                  |
| Video output port             | N/A                  |
| Other                         | N/A                  |

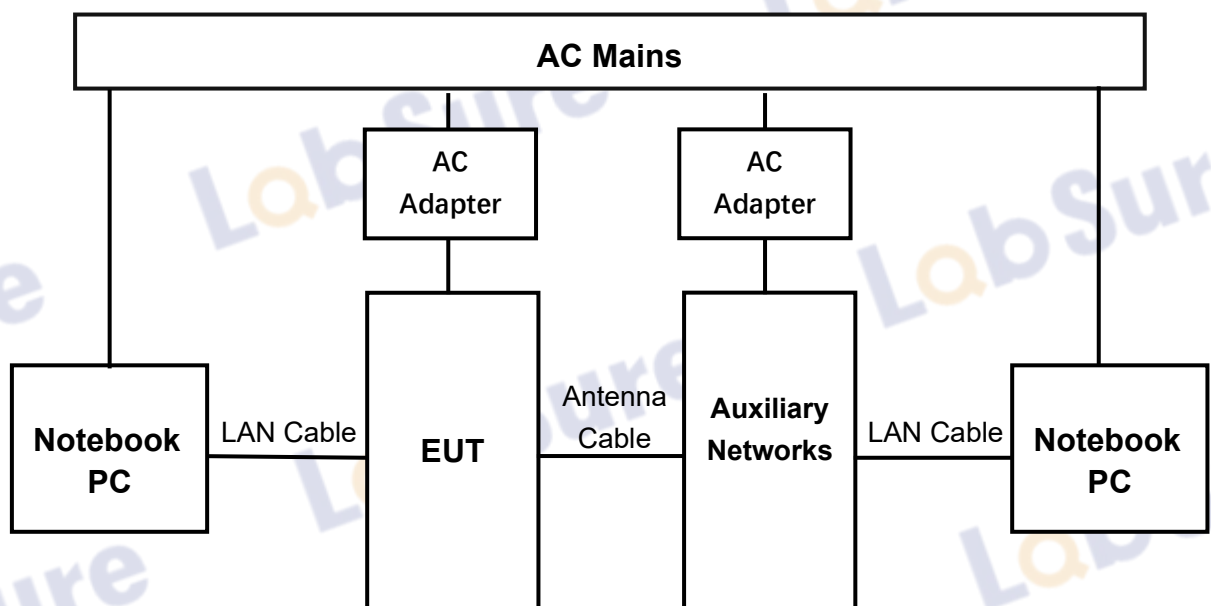
## 2.4 Accessories of EUT

| Accessories | Manufacturer                       | Model No. | Description              | Remark             |
|-------------|------------------------------------|-----------|--------------------------|--------------------|
| AC Adapter  | SHENZHEN JIYIN INDUSTRIAL CO.,LTD. | JY-05200E | 100-240V 50/60Hz<br>0.5A | Supplied by client |

## 2.5 Test peripherals

| Device        | Manufacturer | Model No.     | Description | Remark          |
|---------------|--------------|---------------|-------------|-----------------|
| Notebook PC 1 | Lenovo       | ThinkPad E450 | N/A         | Supplied by Lab |
| Notebook PC 2 | Lenovo       | ThinkPad E450 | N/A         | Supplied by Lab |

## 2.6 Block diagram EUT configuration for test



## 2.7 EUT operating mode(s)

|        |                                                                                                                                       |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|
| Mode 1 | AC 230V 50Hz power supply. EUT is connected to Auxiliary Networks by MoCA port, and LAN1 port of EUT is connected to the Notebook PC. |
| Mode 2 | AC 230V 50Hz power supply. EUT is connected to Auxiliary Networks by MoCA port, and LAN2 port of EUT is connected to the Notebook PC. |
| Mode 3 | AC 100V 60Hz power supply. EUT is connected to Auxiliary Networks by MoCA port, and LAN1 port of EUT is connected to the Notebook PC. |
| Mode 4 | AC 100V 60Hz power supply. EUT is connected to Auxiliary Networks by MoCA port, and LAN2 port of EUT is connected to the Notebook PC. |

## 2.8 Performance Criteria

| Criterion | Description                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| A         | The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of |



|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.                                                                                                                                                                                                                                                                                                                                                                                 |
| B | <p>During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test.</p> <p>After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended.</p> <p>The performance level may be replaced by a permissible loss of performance. If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.</p> |
| C | <p>Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed.</p> <p>Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## 2.9 Deviations of test standard

No Deviation.

## 2.10 Test laboratory

|                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lab Information                                                                                                                                                                                                                                                                                              | <p>Company Name: LabSure Testing Services (Tianjin) Co., Ltd.</p> <p>Address: Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.</p> <p>Tel: +86-0512-62531270, E-mail: labsure@lab-sure.com, www.lab-sure.com</p>                                                                                                                                                                                                                                                                                                                                                                                         |
| Accreditation Certificate                                                                                                                                                                                                                                                                                    | <p>A2LA (Certificate No.: 7346.01)</p> <p>LabSure Testing Services (Tianjin) Co., Ltd. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1397)</p> <p>LabSure Testing Services (Tianjin) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.</p> <p>IC (IC Designation No.: 32952; CAB No.:CN0182)</p> <p>LabSure Testing Services (Tianjin) Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.</p> |
| <p>Note 1: All tests measurement facilities use to collect the measurement data are located at Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.</p> <p>Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS.

Note 3: The test anechoic chamber in LabSure Testing Services (Tianjin) Co., Ltd. had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

## 2.11 Measurement uncertainty

| Test Item                                                                                                                                     | Uncertainty                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Conducted Emissions at Mains Power Port                                                                                                       | 3.0 dB (150KHz-30MHz)         |
| Conducted Emissions at Telecommunication Port                                                                                                 | 3.4 dB                        |
| Radiated Emissions (30MHz to 1GHz) at 3m Chamber                                                                                              | 4.2 dB                        |
| Radiated Emissions (30MHz to 1GHz) at 10m Chamber                                                                                             | 3.7dB for Vertical polarity   |
|                                                                                                                                               | 4.0dB for Horizontal polarity |
| Radiated Emissions (Above 1GHz) at 3m Chamber                                                                                                 | 4.3 dB(1GHz-6GHz)             |
|                                                                                                                                               | 4.6 dB(6GHz-18GHz)            |
| Harmonic Current Emissions & Flicker                                                                                                          | 3.8 %                         |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                               |

## 2.12 Abbreviations

For the purposes of the present document, the following abbreviations apply:

EUT: Equipment Under Test

QP: Quasi-Peak

PK: Peak,

AV: Average

CAV: CISPR Average

CDN: Coupling Decoupling Network

AM: Amplitude Modulation

N/A: Not Applicable

### 3 Conducted Emissions (AC mains power ports)

#### 3.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Apr. 21, 2026        | Test engineer | Allen Liu         |       |
| Climate condition | Ambient temperature  | 19.3°C        | Relative humidity | 60.1% |
|                   | Atmospheric pressure | 102.0kPa      |                   |       |
| Test place        | Shield Room 1        |               |                   |       |

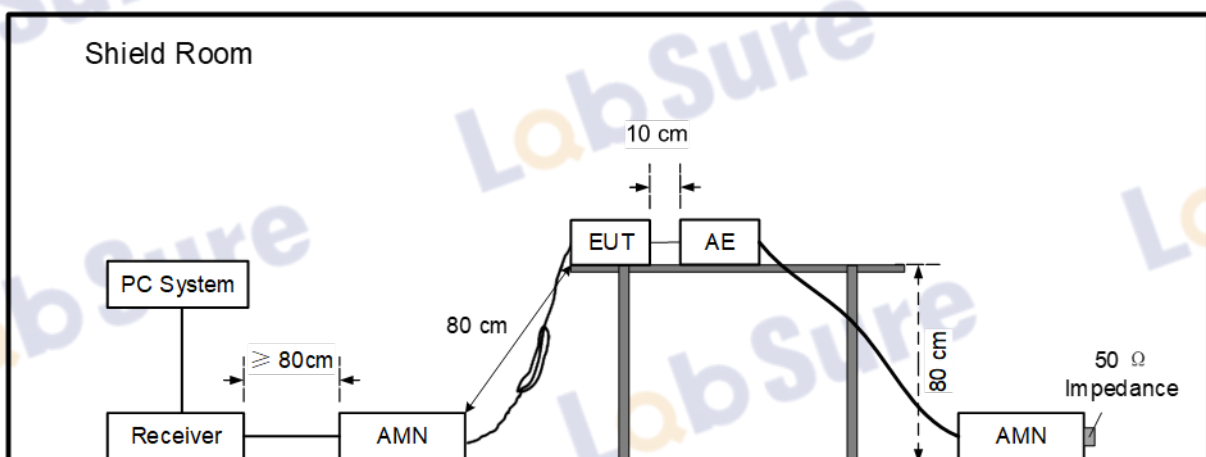
#### 3.2 Test Equipment

| Equipment                                   | Manufacturer    | Model No. | Serial No.    | Last Cal.     | Cal. Interval |
|---------------------------------------------|-----------------|-----------|---------------|---------------|---------------|
| Shielding Room 1                            | Taihe Mao Rui   | N/A       | N/A           | Jan. 25, 2024 | 3 Year        |
| EMI Test Receiver                           | R&S             | ESC13     | 101705        | Jan. 25, 2026 | 1 Year        |
| Pulse Limiter                               | Rohde & Schwarz | ESH3-Z2   | 102704        | Jan. 25, 2026 | 1 Year        |
| Temperature, humidity and pressure recorder | HuaHanWei       | THP40W-E  | c0222020002 E | Jan. 31, 2026 | 1 Year        |
| LISN                                        | R&S             | ENV216    | 100064        | Jan. 25, 2026 | 1 Year        |
| Test Software                               | TONSCEND        | JS32-CE   | 5.0.0         | N/A           | N/A           |

#### 3.3 Reference Standard

EN 55032:2015,  
EN 55032:2015/A11:2020,  
EN 55032:2015/A1:2020

#### 3.4 Test Arrangement



The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT's power adapter was connected to the power mains through a line impedance stabilization network (AMN), which provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted disturbance.

The bandwidth of test receiver is set at 9 kHz.

The frequency range from 150 kHz to 30MHz is checked.

Pre-scan measurements were performed in all operating mode or resolution. But final measurements were performed in worst cases based on pre-scan measurements.

### 3.5 Test Specification and Limit

Class B

| Frequency       | Quasi-Peak Level dB( $\mu$ V) | Average Level dB( $\mu$ V) |
|-----------------|-------------------------------|----------------------------|
| 150kHz ~ 500kHz | 66 ~ 56*                      | 56 ~ 46*                   |
| 500kHz ~ 5MHz   | 56                            | 46                         |
| 5MHz ~ 30MHz    | 60                            | 50                         |

Notes: 1. \* Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

Note for test result

Note1): According pre-test, the worst test modes decided as below and reported. Only data of worst mode was reported in test result.

Note2) Line = Polarity of input power (Live or Neutral), N: Abbreviation of Neutral Polarity, L1: Abbreviation of Live Polarity,

Note3) Level (Quasi-Peak and/or C/Average) = Meter Reading + Factor,

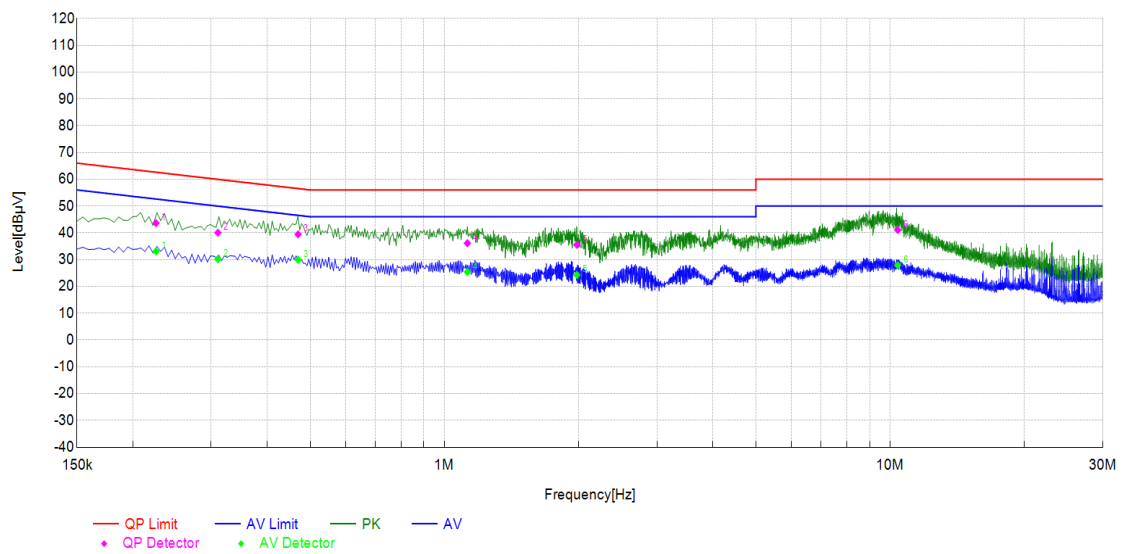
Note4) Factor = AMN (or AAN) Insertion Loss + Cable Loss,

Note5) Margin = Limit – Level (Quasi-Peak and/or C/Average)

### 3.6 Test Result

| Sample No.   | Operation Mode | Remarks                                    | Result |
|--------------|----------------|--------------------------------------------|--------|
| Y26041004-01 | Mode 1         | Final measurement, minimum margin 13.85 dB | Pass   |
| Y26041004-01 | Mode 2         | Pre-scan measurement                       | Pass   |
| Y26041004-01 | Mode 3         | Pre-scan measurement                       | Pass   |
| Y26041004-01 | Mode 4         | Pre-scan measurement                       | Pass   |

Test Graph

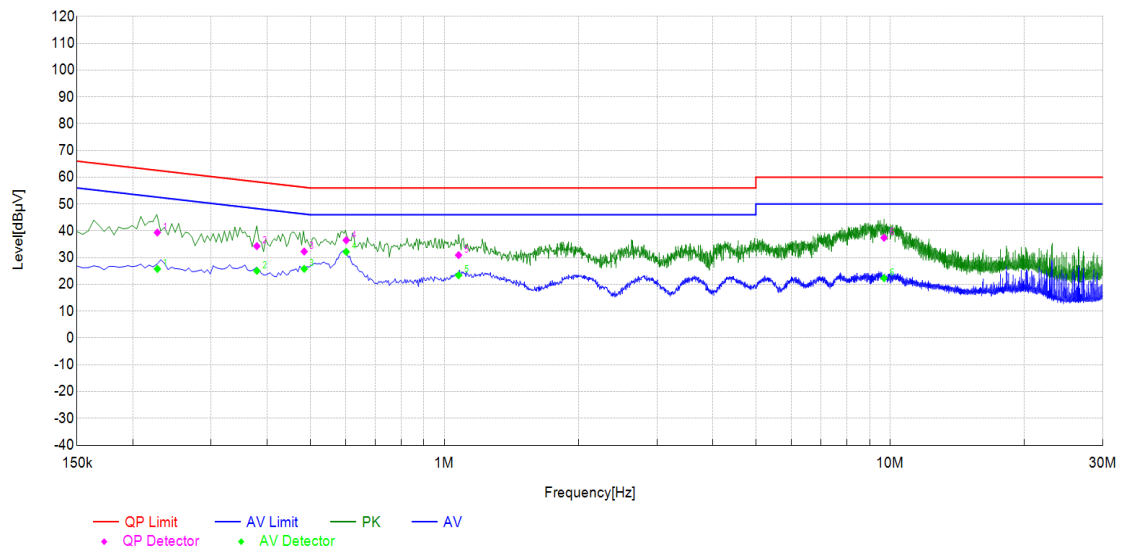


Final Data List

| NO. | Frequency [MHz] | Factor [dB] | QP Reading [dBμV] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Reading [dBμV] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Phase | Verdict |
|-----|-----------------|-------------|-------------------|-----------------|-----------------|----------------|-------------------|-----------------|-----------------|----------------|-------|---------|
| 1   | 0.2255          | 19.26       | 24.37             | 43.63           | 62.61           | 18.98          | 13.79             | 33.05           | 52.61           | 19.56          | N     | PASS    |
| 2   | 0.3105          | 19.22       | 20.82             | 40.04           | 59.96           | 19.92          | 10.94             | 30.16           | 49.96           | 19.80          | N     | PASS    |
| 3   | 0.4699          | 19.14       | 20.31             | 39.45           | 56.52           | 17.07          | 10.77             | 29.91           | 46.52           | 16.61          | N     | PASS    |
| 4   | 1.1266          | 18.89       | 17.24             | 36.13           | 56.00           | 19.87          | 6.49              | 25.38           | 46.00           | 20.62          | N     | PASS    |
| 5   | 1.9839          | 19.06       | 16.46             | 35.52           | 56.00           | 20.48          | 5.20              | 24.26           | 46.00           | 21.74          | N     | PASS    |
| 6   | 10.4046         | 19.83       | 21.23             | 41.06           | 60.00           | 18.94          | 8.07              | 27.90           | 50.00           | 22.10          | N     | PASS    |



Test Graph



Final Data List

| NO. | Frequency [MHz] | Factor [dB] | QP Reading [dBμV] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Reading [dBμV] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Phase | Verdict |
|-----|-----------------|-------------|-------------------|-----------------|-----------------|----------------|-------------------|-----------------|-----------------|----------------|-------|---------|
| 1   | 0.2271          | 19.26       | 20.09             | 39.35           | 62.56           | 23.21          | 6.51              | 25.77           | 52.56           | 26.79          | L     | PASS    |
| 2   | 0.3797          | 19.19       | 15.10             | 34.29           | 58.29           | 24.00          | 5.85              | 25.04           | 48.29           | 23.25          | L     | PASS    |
| 3   | 0.4849          | 19.14       | 13.11             | 32.25           | 56.26           | 24.01          | 6.66              | 25.80           | 46.26           | 20.46          | L     | PASS    |
| 4   | 0.6024          | 19.07       | 17.38             | 36.45           | 56.00           | 19.55          | 13.08             | 32.15           | 46.00           | 13.85          | L     | PASS    |
| 5   | 1.0765          | 18.88       | 12.04             | 30.92           | 56.00           | 25.08          | 4.52              | 23.40           | 46.00           | 22.60          | L     | PASS    |
| 6   | 9.6931          | 19.77       | 17.64             | 37.41           | 60.00           | 22.59          | 2.56              | 22.33           | 50.00           | 27.67          | L     | PASS    |

## 4 Conducted Emissions (asymmetric mode)

### 4.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Apr. 21, 2026        | Test engineer | Allen Liu         |       |
| Climate condition | Ambient temperature  | 19.3°C        | Relative humidity | 60.1% |
|                   | Atmospheric pressure | 102.0kPa      |                   |       |
| Test place        | Shield Room 1        |               |                   |       |

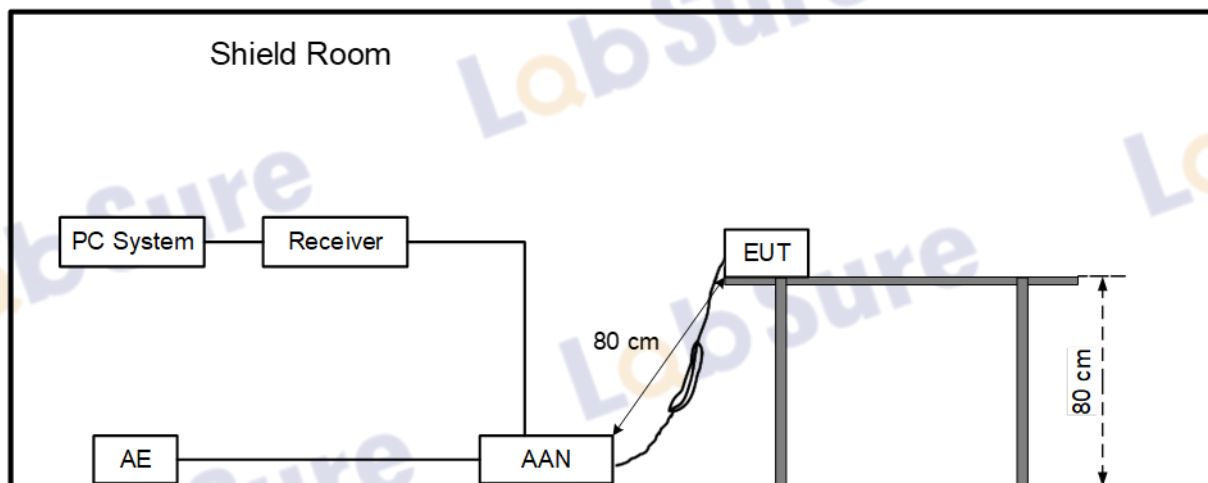
### 4.2 Test Equipment

| Equipment                                   | Manufacturer    | Model No. | Serial No.    | Last Cal.     | Cal. Interval |
|---------------------------------------------|-----------------|-----------|---------------|---------------|---------------|
| Shielding Room 1                            | Taihe Mao Rui   | N/A       | N/A           | Jan. 25, 2024 | 3 Year        |
| EMI Test Receiver                           | R&S             | ESC13     | 101705        | Jan. 25, 2026 | 1 Year        |
| Pulse Limiter                               | Rohde & Schwarz | ESH3-Z2   | 102704        | Jan. 25, 2026 | 1 Year        |
| Temperature, humidity and pressure recorder | HuaHanWei       | THP40W-E  | c0222020002 E | Jan. 31, 2026 | 1 Year        |
| Impedance Stabilization Network             | R&S             | ENY81-CA6 | 101800        | Jan. 25, 2026 | 1 Year        |
| Test Software                               | TONSCEND        | JS32-CE   | 5.0.0         | N/A           | N/A           |

### 4.3 Reference Standard

EN 55032:2015,  
EN 55032:2015/A11:2020,  
EN 55032:2015/A1:2020

### 4.4 Test Arrangement



The EUT was placed on a 0.8m high non-metallic table in shielded room.

Connect ISN directly to reference ground plane.

The measured voltage at the measurement port of the ISN should correct the reading by adding

the voltage division factor of the ISN, and compare to the voltage limit.

For Local Area Network (LAN) device, in order to make reliable emission measurements representative of high LAN utilization it is only necessary to create a condition of LAN utilization in excess of 10 % and sustain that level for a minimum of 250 ms. The content of the test traffic should consist of both periodic and pseudo-random messages in order to emulate realistic types of data transmission (e.g. random: files compressed or encrypted; periodic: uncompressed graphic files, memory dumps, screen updates, disk images). If the LAN maintains transmission during idle periods measurements shall also be made during idle periods.

When disturbance voltage measurements are performed on a single unscreened balanced pair, an adequate ISN for two wires shall be used; when performed on unscreened cables containing two balanced pairs, an adequate ISN for four wires shall be used.

#### 4.5 Test Specification and Limit

Class B

| Frequency       | Quasi-Peak Level<br>dB(μV) | Average Level<br>dB(μV) |
|-----------------|----------------------------|-------------------------|
| 150kHz ~ 500kHz | 84 ~ 74*                   | 74 ~ 64*                |
| 500kHz ~ 30MHz  | 74                         | 64                      |

Notes: 1. \* Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

Note for test result

Note1): According pre-test, the worst test modes decided as below and reported. Only data of worst mode was reported in test result.

Note2) Line = Polarity of input power (Live or Neutral), N: Abbreviation of Neutral Polarity, L1: Abbreviation of Live Polarity,

Note3) Level (Quasi-Peak and/or C/Average) = Meter Reading + Factor,

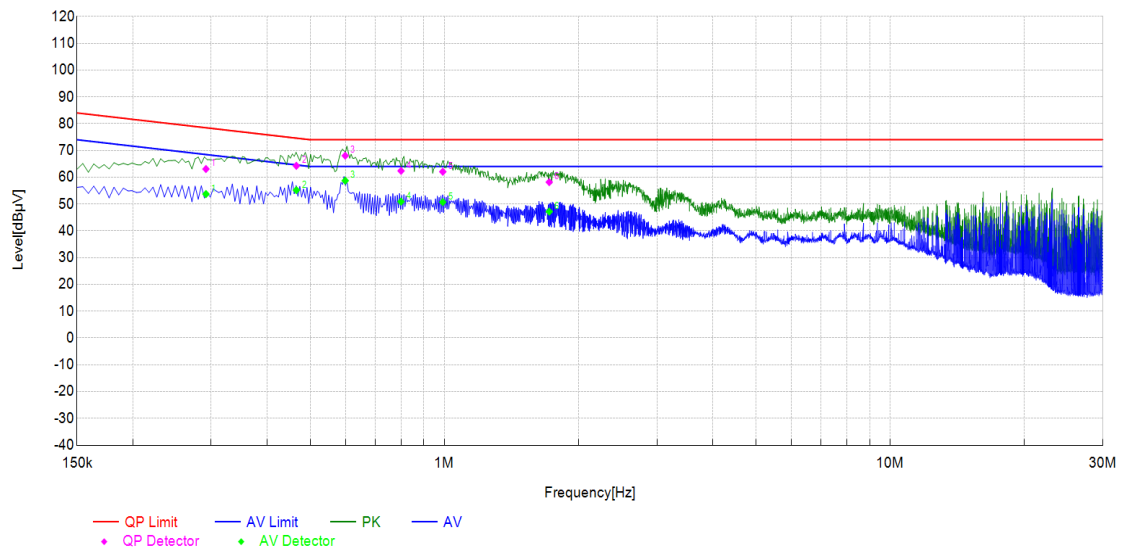
Note4) Factor = AMN (or AAN) Insertion Loss + Cable Loss,

Note5) Margin = Limit – Level (Quasi-Peak and/or C/Average)

#### 4.6 Test Result

| Sample No.   | Operation Mode | Remarks                                   | Result |
|--------------|----------------|-------------------------------------------|--------|
| Y26041004-01 | Mode 1         | Final measurement, minimum margin 5.28 dB | Pass   |
| Y26041004-01 | Mode 2         | Pre-scan measurement                      | Pass   |

Test Graph



Final Data List

| NO. | Frequency [MHz] | Factor [dB] | QP Reading [dBμV] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Reading [dBμV] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Phase | Verdict |
|-----|-----------------|-------------|-------------------|-----------------|-----------------|----------------|-------------------|-----------------|-----------------|----------------|-------|---------|
| 1   | 0.2919          | 19.79       | 43.28             | 63.07           | 78.47           | 15.40          | 33.92             | 53.71           | 68.47           | 14.76          | LAN   | PASS    |
| 2   | 0.4657          | 19.57       | 44.70             | 64.27           | 74.59           | 10.32          | 35.60             | 55.17           | 64.59           | 9.42           | LAN   | PASS    |
| 3   | 0.5994          | 19.47       | 48.57             | 68.04           | 74.00           | 5.96           | 39.25             | 58.72           | 64.00           | 5.28           | LAN   | PASS    |
| 4   | 0.7997          | 19.33       | 43.04             | 62.37           | 74.00           | 11.63          | 31.58             | 50.91           | 64.00           | 13.09          | LAN   | PASS    |
| 5   | 0.9922          | 19.17       | 42.88             | 62.05           | 74.00           | 11.95          | 31.56             | 50.73           | 64.00           | 13.27          | LAN   | PASS    |
| 6   | 1.7195          | 19.22       | 38.95             | 58.17           | 74.00           | 15.83          | 27.95             | 47.17           | 64.00           | 16.83          | LAN   | PASS    |

## 5 Radiated Emissions (30MHz to 1GHz)

### 5.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Apr. 22, 2026        | Test engineer | Phil Zhou         |       |
| Climate condition | Ambient temperature  | 17.8°C        | Relative humidity | 58.6% |
|                   | Atmospheric pressure | 101.9kPa      |                   |       |
| Test place        | 10m Chamber          |               |                   |       |

### 5.2 Test Equipment

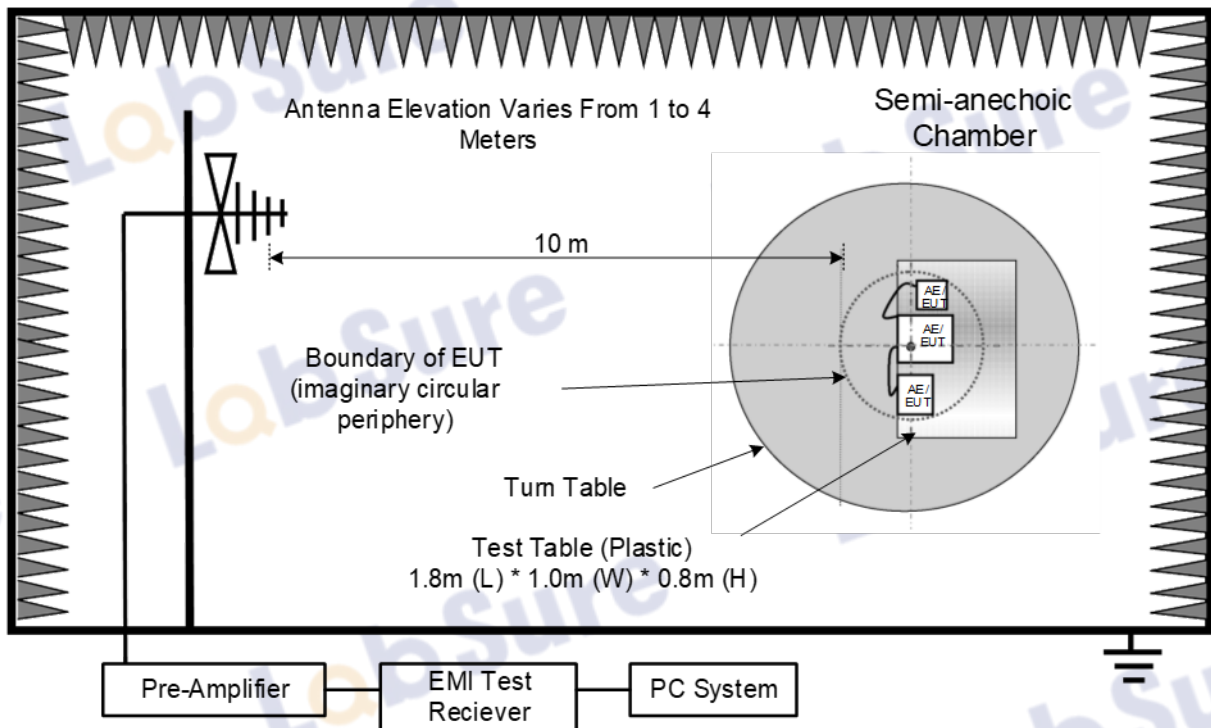
| Equipment                         | Manufacturer  | Model No.    | Serial No.    | Last Cal.     | Cal. Interval |
|-----------------------------------|---------------|--------------|---------------|---------------|---------------|
| 10m Anechoic Chamber              | Taihe Mao Rui | 10m-SAC      | N/A           | Jan. 25, 2024 | 3 Year        |
| EMI Test Receiver                 | R&S           | ESCI7        | 101195        | Jan. 25, 2026 | 1 Year        |
| Temperature and humidity recorder | HuaHanWei     | TH10R        | C00286000E E1 | Jan. 31, 2026 | 1 Year        |
| Hybrid antenna                    | SCHWARZBECK   | VULB 9163    | 01679         | Feb. 23, 2024 | 3 Year        |
| Low Noise Amplifier               | Tonscend      | TAP10M1G40 N | AP24A80603 34 | Jan. 25, 2026 | 1 Year        |
| Hybrid antenna                    | SCHWARZBECK   | VULB 9163    | 01699         | Aug. 02, 2024 | 3 Year        |
| Low Noise Amplifier               | Tonscend      | TAP10M1G40 N | AP24G80603 54 | Jan. 25, 2026 | 1 Year        |
| EMI Test Receiver                 | R&S           | ESR7         | 101322        | Jan. 25, 2026 | 1 Year        |
| Test Software                     | TONSCEND      | JS32-RE      | 5.0.0         | N/A           | N/A           |

### 5.3 Reference Standard

EN 55032:2015,  
EN 55032:2015/A11:2020,  
EN 55032:2015/A1:2020



## 5.4 Test Arrangement



The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.

Test antenna was located 10m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded.

Spectrum frequency from 30MHz to 1GHz was investigated.

For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded.

For emissions from 30MHz to 1GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 kHz.

Final measurements consisted of 3 steps. First step, frequency fine tuning to find exact emission frequency. Second step, rechecking to search for maximum height and azimuth for interference from EUT. In final step, there are conducted measuring with quasi-peak detector for points which are detected from 1st step & 2nd step. Results checked manually and points close to the limit line were re-measured.

Pre-scan measurements were performed in all operating mode or condition. But final measurements were performed in worst cases based on pre-scan measurements.

## 5.5 Test Specification and Limit

Class B

| Frequency         | Field Strengths Limits at 10m measuring distance<br>dB( $\mu$ V)/m |
|-------------------|--------------------------------------------------------------------|
| 30MHz to 230MHz   | 30                                                                 |
| 230MHz to 1000MHz | 37                                                                 |

Note: (1) The smaller limit shall apply at the cross point between two frequency bands.

(2) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

## Note for test result

Note1): According pre-test, the worst test modes decided as below and reported. Only data of worst mode was reported in test result.

Note2) (P): Abbreviation of Antenna Polarity

Note3) Receiving antenna polarization: Horizontal and/or Vertical. Antenna Height: 1 m to 4 m

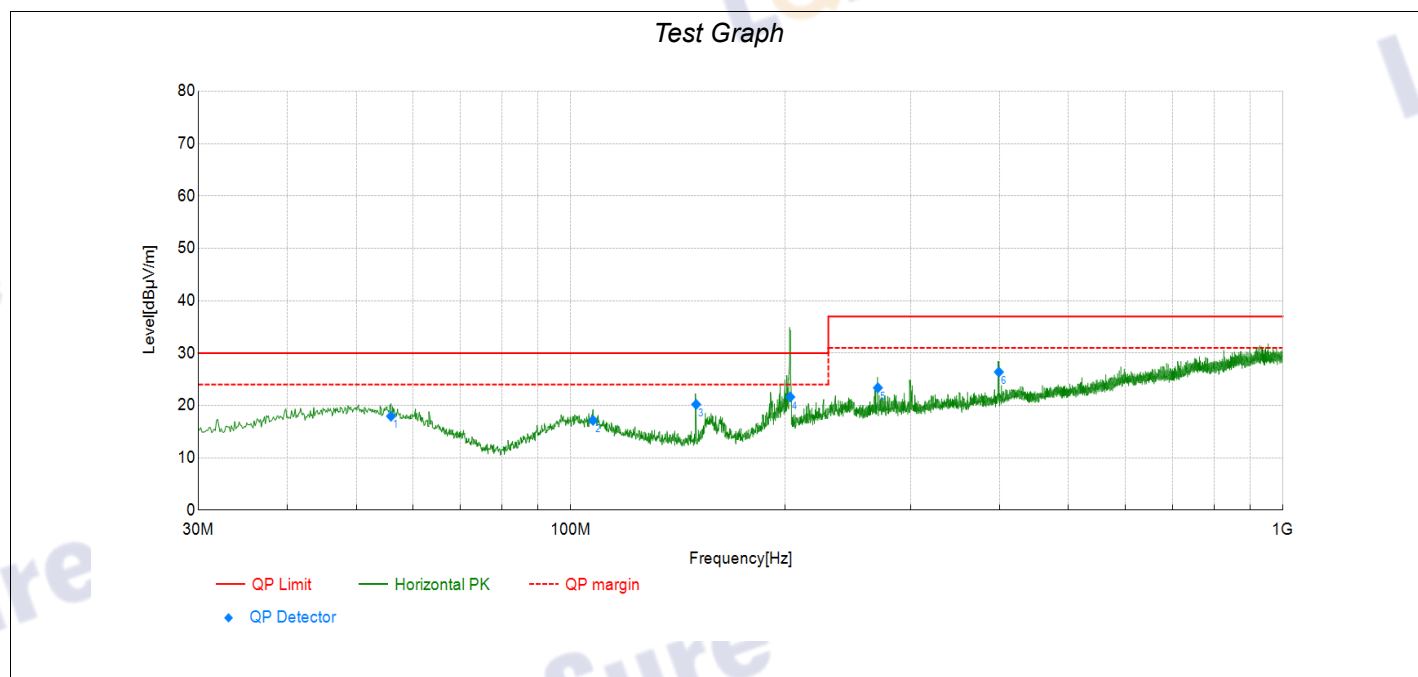
Note4) Level QP (Quasi-Peak) = Reading QP + Factor

Note5) Factor = Antenna Factor + Cable Loss - Amp. Gain

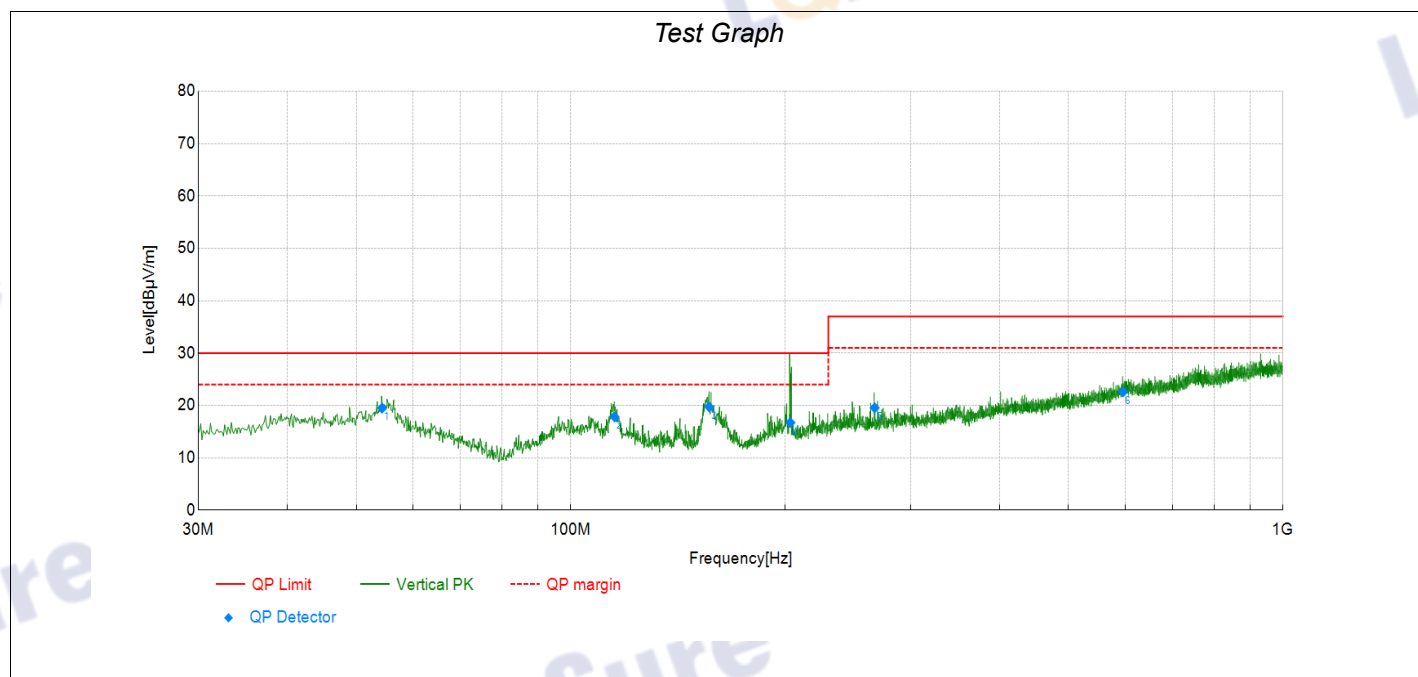
Note6) Margin = Limit – Level QP

## 5.6 Test Result

| Sample No.   | Operation Mode | Remarks                                 | Result |
|--------------|----------------|-----------------------------------------|--------|
| Y26041004-01 | Mode 1         | Final measurement;minimum margin 8.38dB | Pass   |
| Y26041004-01 | Mode 2         | Pre-scan measurement                    | Pass   |

**Final Data List**

| NO. | Frequency [MHz] | Factor [dB/m] | QP Reading [dBμV] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-------------|-----------|-----|---------|
| 1   | 55.95           | -21.74        | 39.69             | 17.95             | 30.00             | 12.05          | 400         | 294       | H   | PASS    |
| 2   | 107.48          | -23.27        | 40.43             | 17.16             | 30.00             | 12.84          | 100         | 357       | H   | PASS    |
| 3   | 150.04          | -26.74        | 46.94             | 20.20             | 30.00             | 9.80           | 400         | 310       | H   | PASS    |
| 4   | 203.37          | -23.63        | 45.25             | 21.62             | 30.00             | 8.38           | 400         | 232       | H   | PASS    |
| 5   | 269.95          | -21.22        | 44.59             | 23.37             | 37.00             | 13.63          | 400         | 287       | H   | PASS    |
| 6   | 399.09          | -18.02        | 44.41             | 26.39             | 37.00             | 10.61          | 400         | 356       | H   | PASS    |

**Final Data List**

| NO. | Frequency [MHz] | Factor [dB/m] | QP Reading [dBμV] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Height [cm] | Angle [°] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-------------|-----------|-----|---------|
| 1   | 54.37           | -20.73        | 40.23             | 19.50             | 30.00             | 10.50          | 100         | 5         | V   | PASS    |
| 2   | 115.24          | -23.47        | 41.29             | 17.82             | 30.00             | 12.18          | 100         | 268       | V   | PASS    |
| 3   | 156.46          | -25.22        | 44.95             | 19.73             | 30.00             | 10.27          | 100         | 216       | V   | PASS    |
| 4   | 203.43          | -22.14        | 38.86             | 16.72             | 30.00             | 13.28          | 400         | 136       | V   | PASS    |
| 5   | 267.17          | -20.24        | 39.79             | 19.55             | 37.00             | 17.45          | 100         | 3         | V   | PASS    |
| 6   | 596.60          | -11.55        | 34.17             | 22.62             | 37.00             | 14.38          | 400         | 341       | V   | PASS    |

## 6 Radiated Emissions (Above 1GHz)

### 6.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Apr. 27, 2026        | Test engineer | Caleb Fu          |       |
| Climate condition | Ambient temperature  | 20.9°C        | Relative humidity | 68.6% |
|                   | Atmospheric pressure | 101.3kPa      |                   |       |
| Test place        | 3m Chamber           |               |                   |       |

### 6.2 Test Equipment

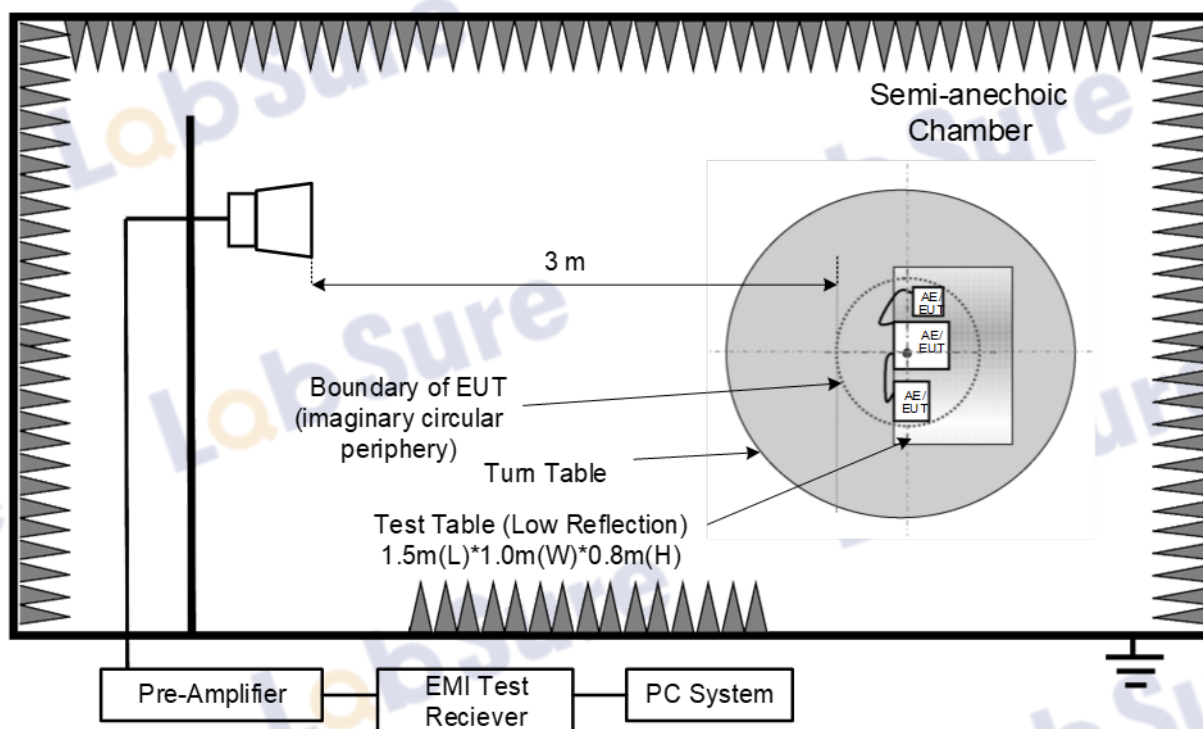
| Equipment                                   | Manufacturer | Model No.            | Serial No.    | Last Cal.     | Cal. Interval |
|---------------------------------------------|--------------|----------------------|---------------|---------------|---------------|
| Horn Antenna                                | ETS          | ETS 3117             | 157735        | Jan. 19, 2024 | 3 Year        |
| Pre-Amplifier HF                            | COM-MW       | DPA8-1000-18000-1012 | 05231357      | Jan. 25, 2026 | 1 Year        |
| Temperature, humidity and pressure recorder | HuaHanWei    | THP40W-E             | c0222020002 F | Jan. 31, 2026 | 1 Year        |
| Spectrum Analyzer                           | R&S          | FSV40-N              | 101730        | Jan. 25, 2026 | 1 Year        |
| 3m Anechoic Chamber                         | CRT          | 3m-SAC               | N/A           | May. 18, 2024 | 3 Year        |
| Test Software                               | TONSCEND     | JS32-RE              | 5.0.0         | N/A           | N/A           |

### 6.3 Reference Standard

EN 55032:2015,  
EN 55032:2015/A11:2020,  
EN 55032:2015/A1:2020



## 6.4 Test Arrangement



The highest internal source of an EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes.

If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz.

If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz.

If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz.

If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 6 GHz, whichever is less.

For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz.

Measurements within 20 dB of the limit were then maximized by adjusting turntable position.

Final measurements were made using an C/Average detector.

Results checked manually and points close to the limit line were re-measured.

Pre-scan measurements were performed in all operating mode or resolution. But final measurements were performed in worst cases based on pre-scan measurements.

## 6.5 Test Specification and Limit

| Frequency range Limits (GHz)                                  | Limits dB(μV/m) |           |
|---------------------------------------------------------------|-----------------|-----------|
|                                                               | Peak            | C/Average |
| 1 ~ 6                                                         | 74              | 54        |
| Note: The lower limit shall apply at the transition frequency |                 |           |

Note for test result

Note1): According pre-test, the worst test modes decided as below and reported. Only data of worst mode was reported in test result.

Note2) (P) : Abbreviation of Antenna Polarity

Note3) Reading PK / C/AV: Received raw Peak / C/Average signal

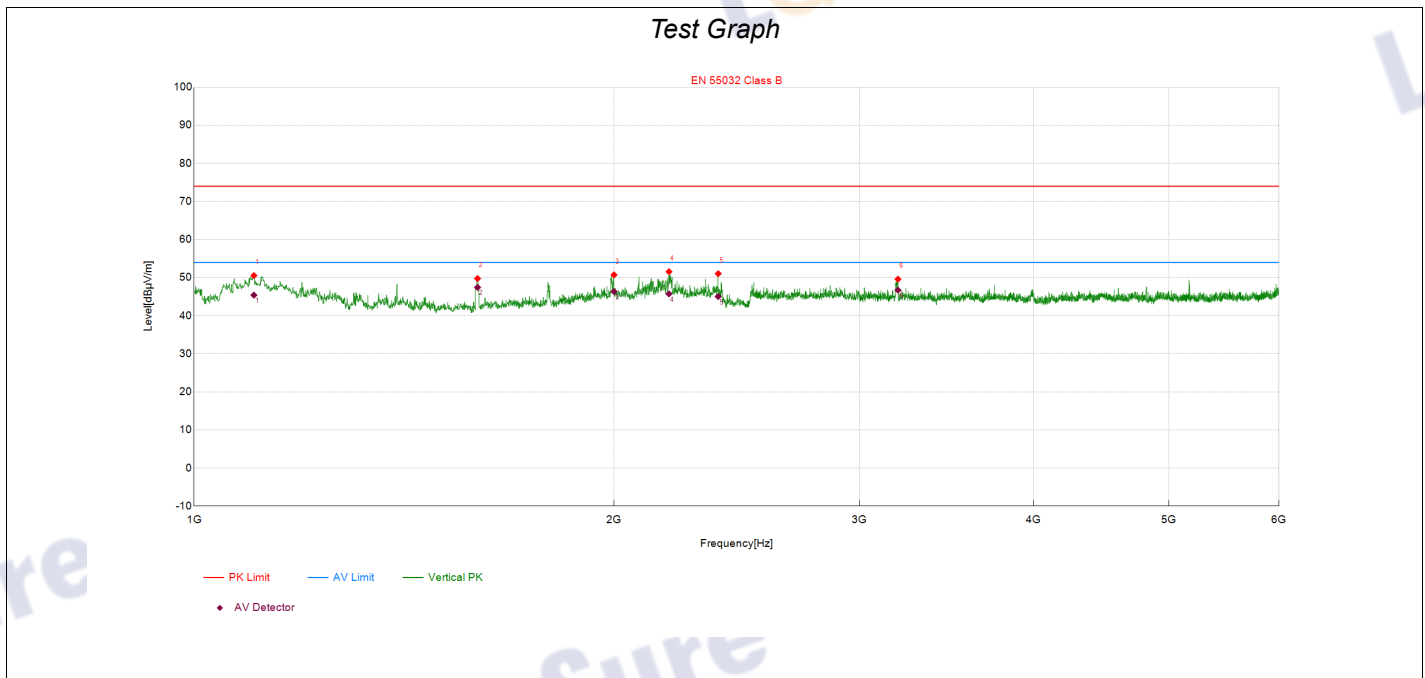
Note4) Level PK / C/AV = Reading PK / C/AV + Factor, Real signal Peak / C/Average level

Note5) Factor = Antenna factor + Cable loss – Amplifier gain

Note6) Margin PK / C/AV = Limit – Level PK / C/AV

## 6.6 Test Result

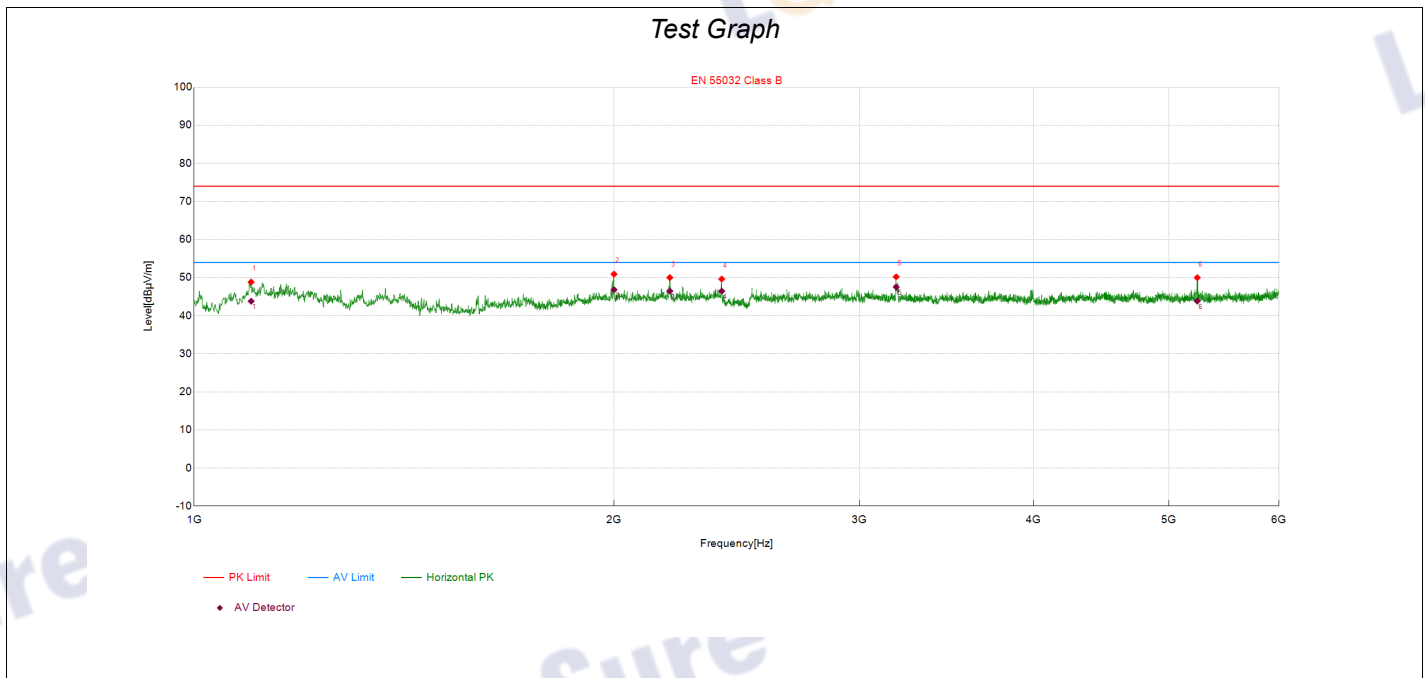
| Sample No.   | Operation Mode | Remarks                                   | Result |
|--------------|----------------|-------------------------------------------|--------|
| Y26041004-01 | Mode 1         | Final measurement, minimum margin 6.44 dB | Pass   |
| Y26041004-01 | Mode 2         | Pre-scan measurement                      | Pass   |

**Suspected Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-------------|-----------|-----|-----|---------|
| 1   | 1103.75         | 67.78          | 50.55          | -17.23        | 74.00          | 23.45       | 100         | 170       | PK  | V   | PASS    |
| 2   | 1596.88         | 65.27          | 49.77          | -15.50        | 74.00          | 24.23       | 100         | 195       | PK  | V   | PASS    |
| 3   | 2000.63         | 61.38          | 50.72          | -10.66        | 74.00          | 23.28       | 200         | 223       | PK  | V   | PASS    |
| 4   | 2190.63         | 62.12          | 51.57          | -10.55        | 74.00          | 22.43       | 100         | 95        | PK  | V   | PASS    |
| 5   | 2376.25         | 60.62          | 51.04          | -9.58         | 74.00          | 22.96       | 200         | 211       | PK  | V   | PASS    |
| 6   | 3197.50         | 58.73          | 49.60          | -9.13         | 74.00          | 24.40       | 100         | 243       | PK  | V   | PASS    |

**Final Data List**

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 1103.75         | -17.23        | 62.64             | 45.41             | 54.00             | 8.59           | V   | PASS    |
| 2   | 1596.88         | -15.50        | 62.94             | 47.44             | 54.00             | 6.56           | V   | PASS    |
| 3   | 2000.63         | -10.66        | 57.01             | 46.35             | 54.00             | 7.65           | V   | PASS    |
| 4   | 2190.63         | -10.55        | 56.29             | 45.74             | 54.00             | 8.26           | V   | PASS    |
| 5   | 2376.25         | -9.58         | 54.62             | 45.04             | 54.00             | 8.96           | V   | PASS    |
| 6   | 3197.50         | -9.13         | 55.85             | 46.72             | 54.00             | 7.28           | V   | PASS    |

**Suspected Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Pol | Verdict |
|-----|-----------------|----------------|----------------|---------------|----------------|-------------|-------------|-----------|-----|-----|---------|
| 1   | 1098.75         | 66.17          | 48.84          | -17.33        | 74.00          | 25.16       | 100         | 219       | PK  | H   | PASS    |
| 2   | 2000.63         | 61.58          | 50.92          | -10.66        | 74.00          | 23.08       | 100         | 300       | PK  | H   | PASS    |
| 3   | 2193.75         | 60.56          | 50.01          | -10.55        | 74.00          | 23.99       | 100         | 137       | PK  | H   | PASS    |
| 4   | 2390.00         | 59.08          | 49.64          | -9.44         | 74.00          | 24.36       | 200         | 355       | PK  | H   | PASS    |
| 5   | 3188.13         | 59.36          | 50.22          | -9.14         | 74.00          | 23.78       | 100         | 219       | PK  | H   | PASS    |
| 6   | 5241.88         | 56.79          | 49.99          | -6.80         | 74.00          | 24.01       | 100         | 208       | PK  | H   | PASS    |

**Final Data List**

| NO. | Frequency [MHz] | Factor [dB/m] | AV Reading [dBμV] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Pol | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|-------------------|----------------|-----|---------|
| 1   | 1098.75         | -17.33        | 61.14             | 43.81             | 54.00             | 10.19          | H   | PASS    |
| 2   | 2000.63         | -10.66        | 57.49             | 46.83             | 54.00             | 7.17           | H   | PASS    |
| 3   | 2193.75         | -10.55        | 57.03             | 46.48             | 54.00             | 7.52           | H   | PASS    |
| 4   | 2390.00         | -9.44         | 55.90             | 46.46             | 54.00             | 7.54           | H   | PASS    |
| 5   | 3188.13         | -9.14         | 56.70             | 47.56             | 54.00             | 6.44           | H   | PASS    |
| 6   | 5241.88         | -6.80         | 50.66             | 43.86             | 54.00             | 10.14          | H   | PASS    |

## 7 Harmonic Current Emissions

### 7.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Apr. 29, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 23.5°C        | Relative humidity | 50.7% |
|                   | Atmospheric pressure | 102.1kPa      |                   |       |
| Test place        | EMC Room 2           |               |                   |       |

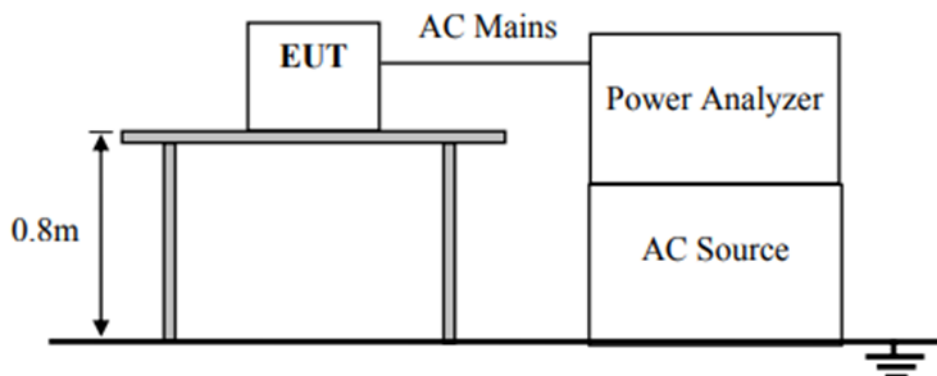
### 7.2 Test Equipment

| Equipment                         | Manufacturer | Model No.          | Serial No.       | Last Cal.     | Cal. Interval |
|-----------------------------------|--------------|--------------------|------------------|---------------|---------------|
| Temperature and humidity recorder | HuaHanWei    | TH10R              | c00286000Ec<br>d | Jan. 31, 2026 | 1 Year        |
| Harmonic & Flicker test System    | AMETEK       | 5001iX-CTS-400-413 | 1923A00711       | Feb. 02, 2026 | 1 Year        |

### 7.3 Reference Standard

EN IEC 61000-3-2:2019+A1:2021+A2:2024

### 7.4 Test Arrangement



### 7.5 Test Specification and Limit

Limits for Class A equipment

| Harmonic order<br>n                 | Maximum permissible harmonic current<br>A |
|-------------------------------------|-------------------------------------------|
| Odd harmonics                       |                                           |
| 3                                   | 2.30                                      |
| 5                                   | 1.14                                      |
| 7                                   | 0.77                                      |
| 9                                   | 0.40                                      |
| 11                                  | 0.33                                      |
| 13                                  | 0.21                                      |
| 15 ≤ n ≤ 39<br>(odd harmonics only) | 0.15 15/n                                 |



| Even harmonics     |                  |
|--------------------|------------------|
| 2                  | 1.08             |
| 4                  | 0.43             |
| 6                  | 0.30             |
| $8 \leq n \leq 40$ | $0.23 \cdot 8/n$ |

## 7.6 Test Result

| Sample No.   | Operation Mode | Remarks                   | Result |
|--------------|----------------|---------------------------|--------|
| Y26041004-01 | Mode 1         | Rated power less than 75W | Pass   |

No need to test and the EUT is compliance with the requirements of this section.

Note: The test should comply with the requirements of EN IEC 61000-3-2:2019+A1:2021. Because the rated power of EUT is less than 75 W, there is no need to perform the harmonics current test according to EN IEC 61000-3-2:2019+A1:2021. For further details, please refer to Clause 7, Note 1 of EN IEC 61000-3-2:2019+A1:2021 which states: “For the following categories of equipment, limits are not specified in this document” :

- equipment with a rated power of 75 W or less, other than lighting equipment.

## 8 Voltage Changes, Voltage Fluctuations and Flicker

### 8.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | Apr. 29, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 23.5°C        | Relative humidity | 50.7% |
|                   | Atmospheric pressure | 102.1kPa      |                   |       |
| Test place        | EMC Room 2           |               |                   |       |

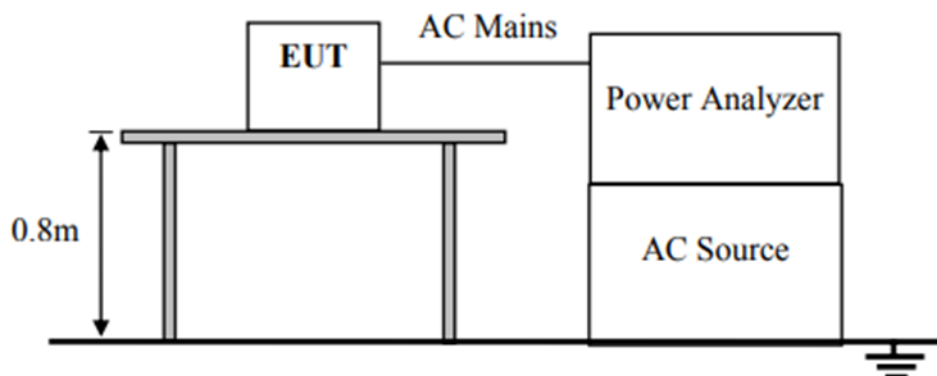
### 8.2 Test Equipment

| Equipment                         | Manufacturer | Model No.          | Serial No.       | Last Cal.     | Cal. Interval |
|-----------------------------------|--------------|--------------------|------------------|---------------|---------------|
| Temperature and humidity recorder | HuaHanWei    | TH10R              | c00286000Ec<br>d | Jan. 31, 2026 | 1 Year        |
| Harmonic & Flicker test System    | AMETEK       | 5001iX-CTS-400-413 | 1923A00711       | Feb. 02, 2026 | 1 Year        |

### 8.3 Reference Standard

EN 61000-3-3:2013+A1:2019+A2:2021

### 8.4 Test Arrangement

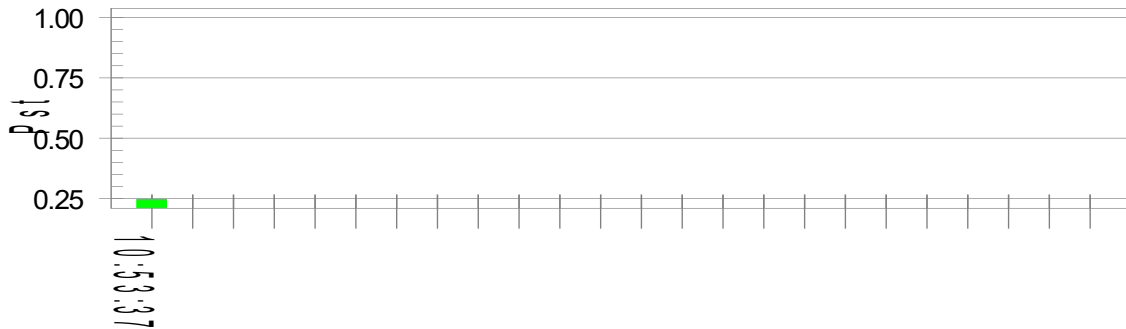
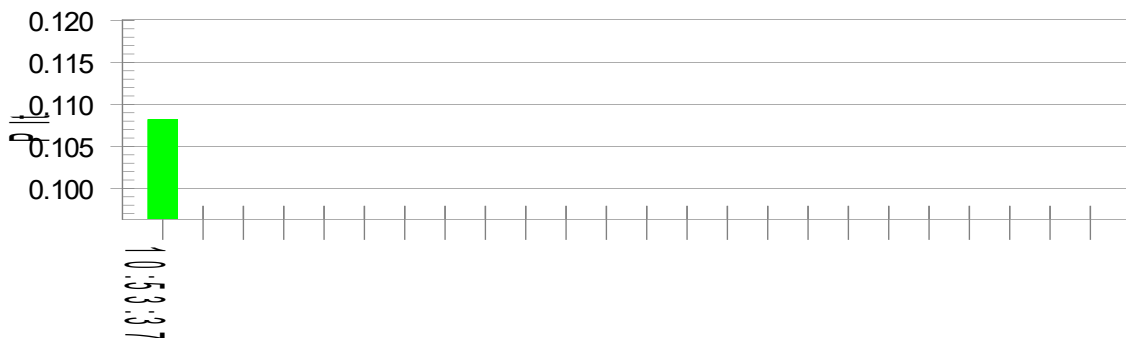


### 8.5 Test Specification and Limit

| short-term flicker indicator, Pst | the relative steady-state voltage change, dc | the value of d(t) during a voltage change, d(t) > 3.3 % | the maximum relative voltage change, dmax |
|-----------------------------------|----------------------------------------------|---------------------------------------------------------|-------------------------------------------|
| 1.0                               | 3.3 %                                        | 500 ms                                                  | 4 %                                       |

**8.6 Test Result**

| Sample No.   | Operation Mode | Remarks                        | Result |
|--------------|----------------|--------------------------------|--------|
| Y26041004-01 | Mode 1         | Test completed, Result: PASSED | Pass   |

**Test Result: Pass****Status: Test Completed****Pst<sub>i</sub> and limit line****European Limits****Plt and limit line****Parameter values recorded during the test:****Vrms at the end of test (Volt): 229.87****T-max (mS): 0****Highest dc (%): 0.00****Highest dmax (%): 0.00****Highest Pst (10 min. period): 0.248****Test limit (mS): 500.0 Pass****Test limit (%): 3.30 Pass****Test limit (%): 4.00 Pass****Test limit: 1.000 Pass**

## 9 Electrostatic Discharge Immunity

### 9.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | May. 02, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 22.9°C        | Relative humidity | 53.8% |
|                   | Atmospheric pressure | 100.6kPa      |                   |       |
| Test place        | Shield Room 2        |               |                   |       |

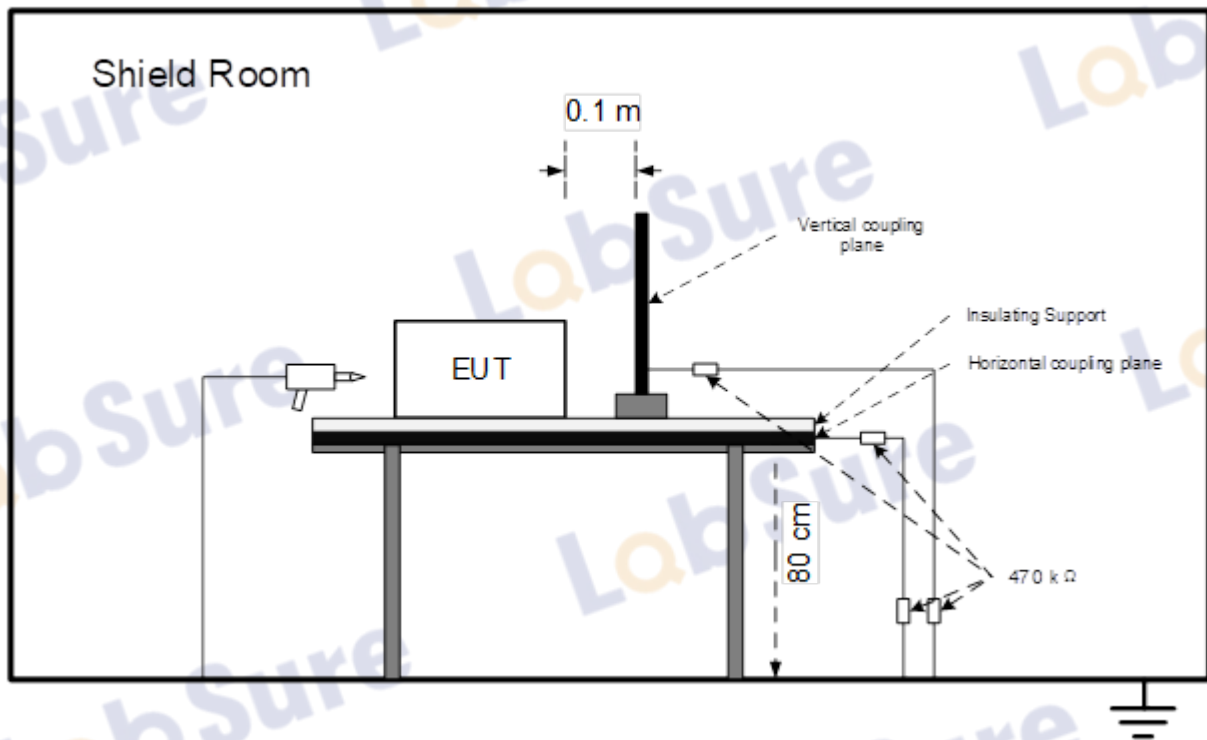
### 9.2 Test Equipment

| Equipment                                   | Manufacturer  | Model No. | Serial No.   | Last Cal.     | Cal. Interval |
|---------------------------------------------|---------------|-----------|--------------|---------------|---------------|
| Shielding Room 2                            | Taihe Mao Rui | N/A       | N/A          | Jan. 25, 2024 | 3 Year        |
| ESD Generator                               | TESEQ         | NSG437    | 405          | Jan. 28, 2026 | 1 Year        |
| Temperature, humidity and pressure recorder | HuaHanWei     | THP40W-E  | c0222020002d | Jan. 31, 2026 | 1 Year        |

### 9.3 Reference Standard

EN 55035:2017,  
EN 55035:2017/A11:2020  
IEC 61000-4-2:2025

### 9.4 Test Arrangement



The test was applied on non-conductive surfaces of EUT. The round discharge tip of the discharge electrode was approached as fast as possible to touch the EUT. After each discharge, the discharge electrode was removed from the EUT. The generator was re-triggered for a new single discharge and repeated 20 times for each pre-selected test point. This procedure was repeated until all the air discharge completed.

#### Contact Discharge:

All the procedure was same as air discharge. Except that the generator was re-triggered for a new single discharge. The tip of the discharge electrode was touching the EUT before the discharge switch was operated.

#### Indirect discharge for horizontal coupling plane:

At least 20 single discharges were applied to the horizontal coupling plane, at points on each side of the EUT. The discharge electrode positions vertically at a distance of 0.1m from the EUT and with the discharge electrode touching the coupling plane.

#### Indirect discharge for vertical coupling plane:

At least 20 single discharges were applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 0.5m, was placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges were applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.

## 9.5 Test Specification and Limit

| Test Level        |                                                        | Performance Criteria |
|-------------------|--------------------------------------------------------|----------------------|
| Air Discharge     | $\pm 2\text{kV}$ , $\pm 4\text{kV}$ , $\pm 8\text{kV}$ | B                    |
| Contact Discharge | $\pm 4\text{kV}$                                       |                      |

## 9.6 Test Result

| Sample No. Y26041004-01 |                   |                  |             |          |                  |        |
|-------------------------|-------------------|------------------|-------------|----------|------------------|--------|
| Operation Mode          | Discharge Method  | Test Level       | Test Point  | Required | Observation      | Result |
| Mode 1                  | Contact Discharge | $\pm 4\text{KV}$ | Coupling    | B        | A <sup>(1)</sup> | Pass   |
| Mode 1                  | Contact Discharge | $\pm 4\text{KV}$ | 4,7         | B        | A <sup>(1)</sup> | Pass   |
| Mode 1                  | Air Discharge     | $\pm 2\text{KV}$ | 1,2,3,5,6,8 | B        | A <sup>(1)</sup> | Pass   |
| Mode 1                  | Air Discharge     | $\pm 4\text{KV}$ | 1,2,3,5,6,8 | B        | A <sup>(1)</sup> | Pass   |
| Mode 1                  | Air Discharge     | $\pm 8\text{KV}$ | 1,2,3,5,6,8 | B        | A <sup>(1)</sup> | Pass   |
| Mode 2                  | Contact Discharge | $\pm 4\text{KV}$ | Coupling    | B        | A <sup>(1)</sup> | Pass   |



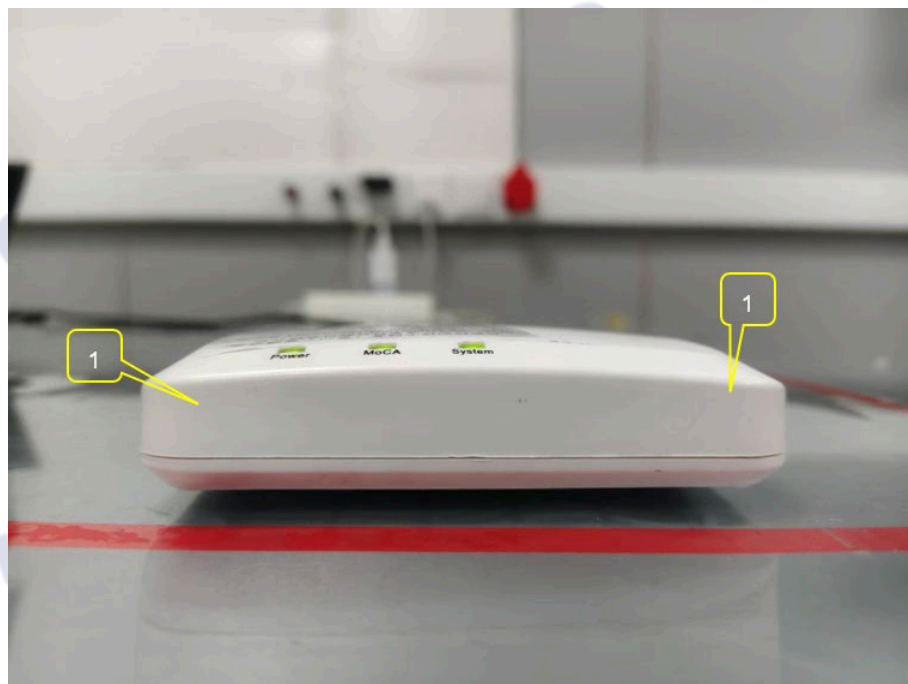
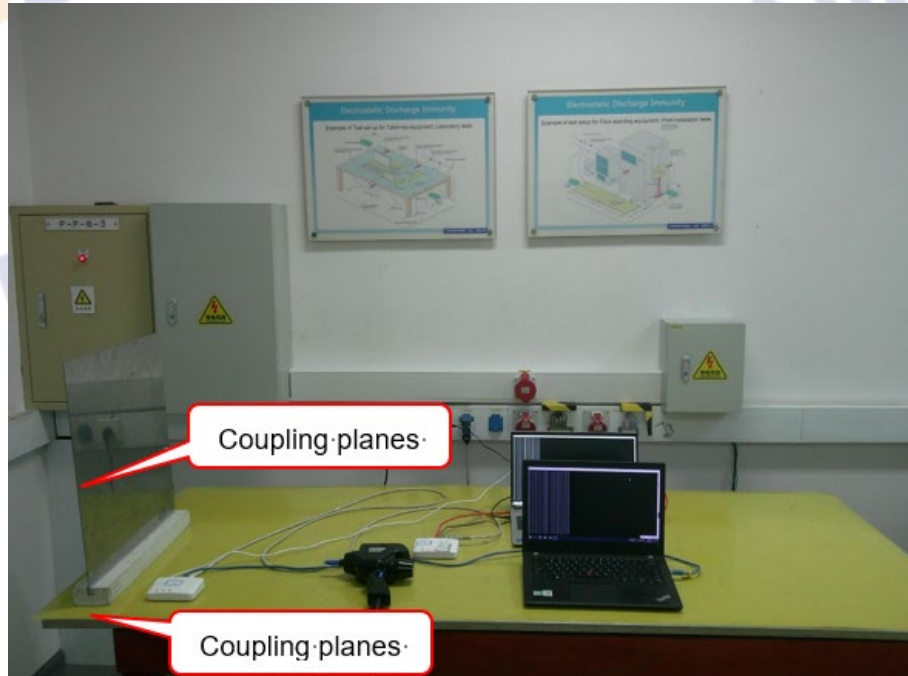
|            |                                                       |      |             |     |                  |      |
|------------|-------------------------------------------------------|------|-------------|-----|------------------|------|
| Mode 2     | Contact Discharge                                     | ±4KV | 4,7         | B   | A <sup>(1)</sup> | Pass |
| Mode 2     | Air Discharge                                         | ±2KV | 1,2,3,5,6,8 | B   | A <sup>(1)</sup> | Pass |
| Mode 2     | Air Discharge                                         | ±4KV | 1,2,3,5,6,8 | B   | A <sup>(1)</sup> | Pass |
| Mode 2     | Air Discharge                                         | ±8KV | 1,2,3,5,6,8 | B   | A <sup>(1)</sup> | Pass |
| Remark     |                                                       |      |             |     |                  |      |
| (1)        | During and after the test, the sample works normally. |      |             |     |                  |      |
| Test Point |                                                       |      |             |     |                  |      |
| No.        | Description                                           | No.  | Description | No. | Description      |      |
| 1          | Shell                                                 | 2    | Pilot Light | 3   | Gap              |      |
| 4          | Antenna Connector                                     | 5    | Power Port  | 6   | LAN Port         |      |
| 7          | Screw                                                 | 8    | Slit        |     |                  |      |

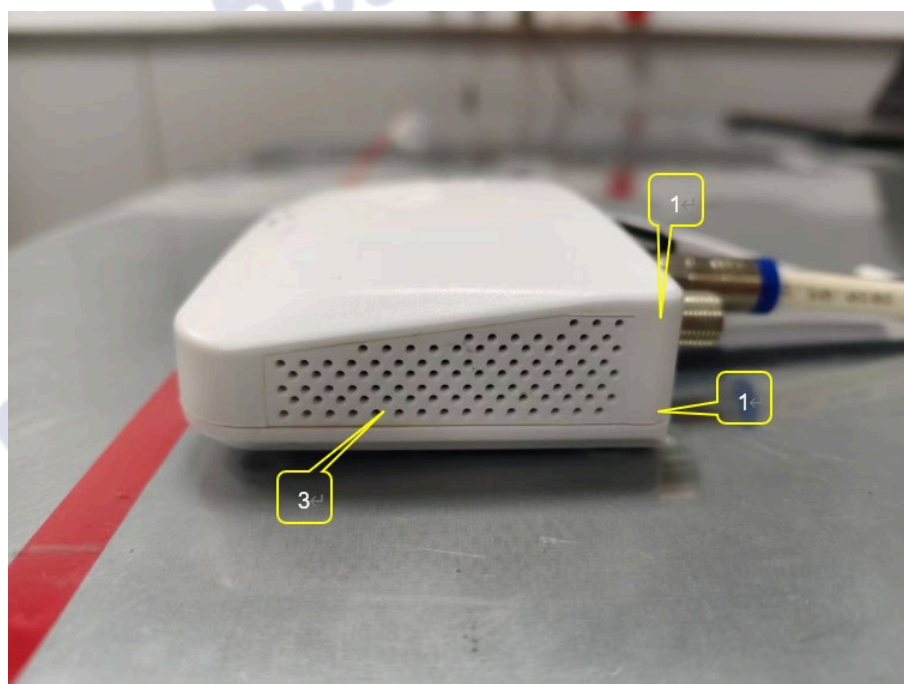
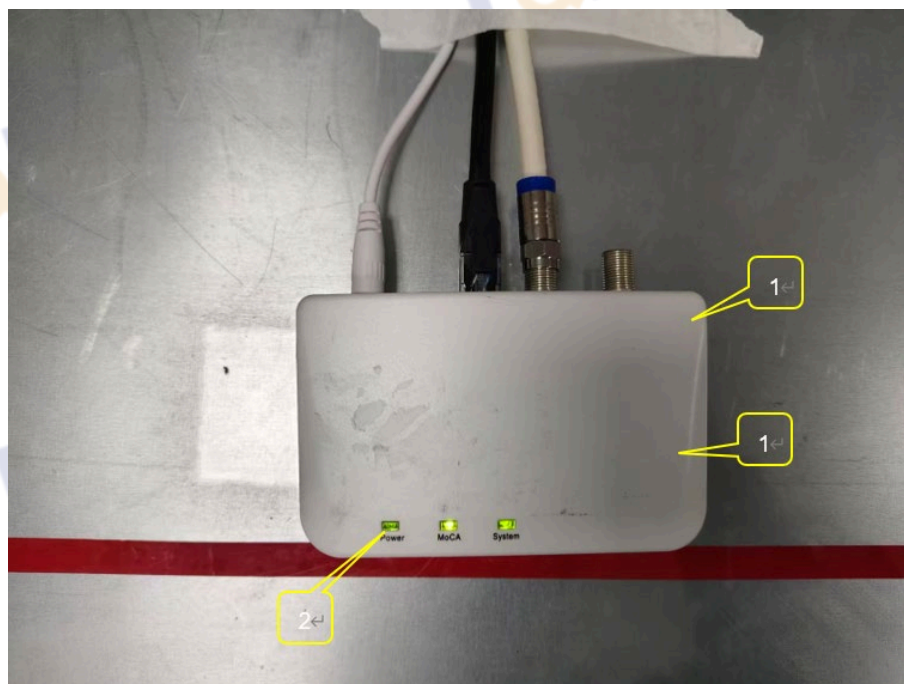
# Discharge Point Photo

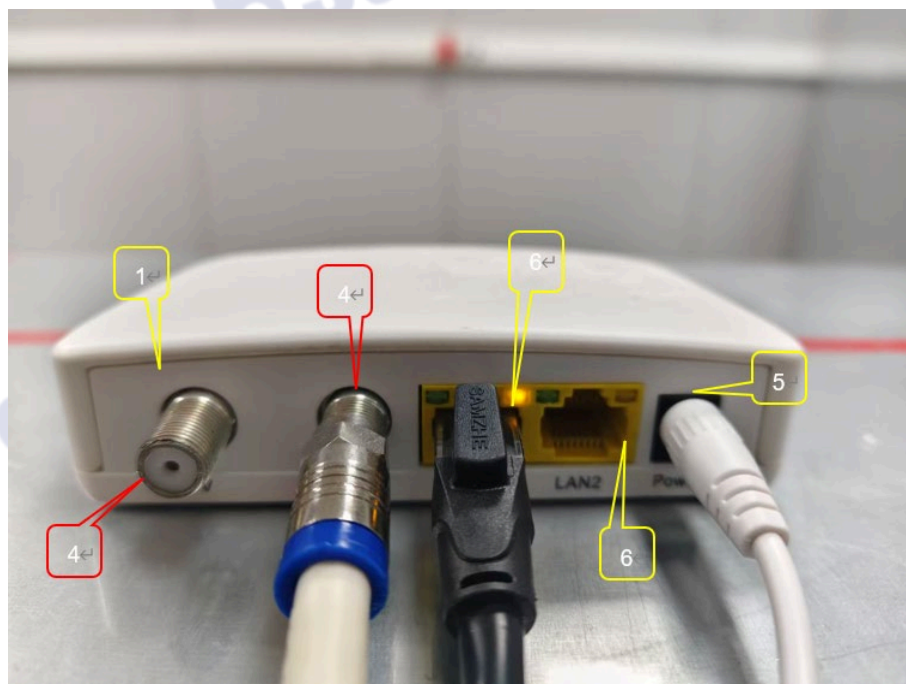
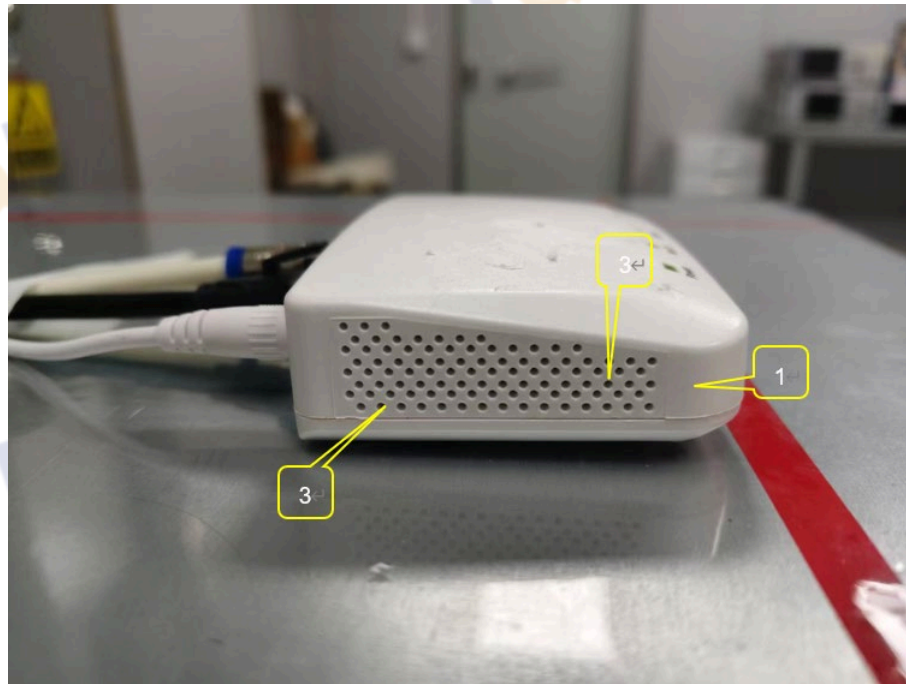
Contact



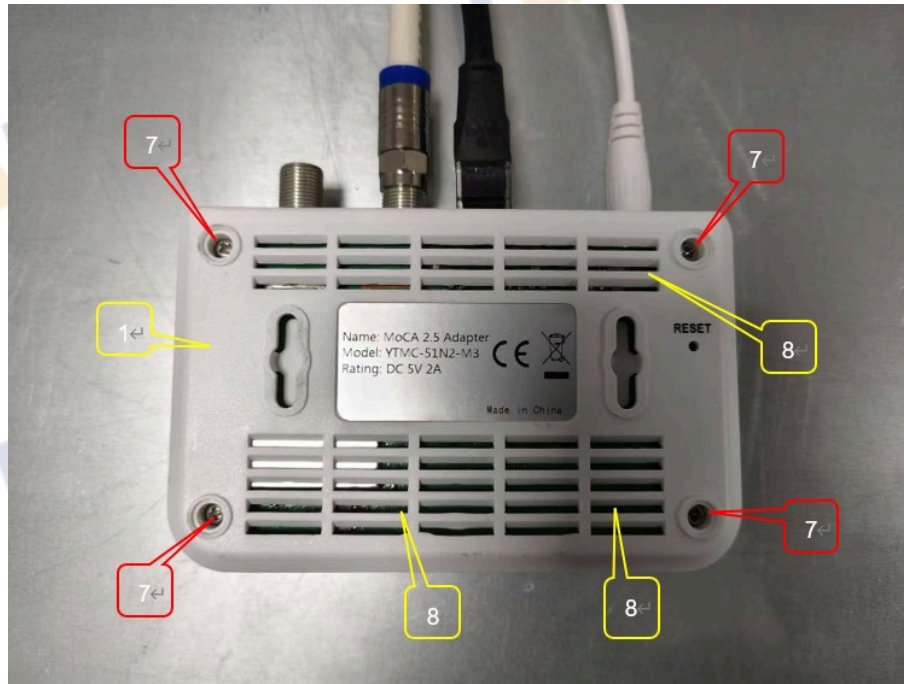
Air













## 10 Radiated, Radio-frequency, Electromagnetic Field Immunity

### 10.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | May. 02, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 23.2°C        | Relative humidity | 54.8% |
|                   | Atmospheric pressure | 100.6kPa      |                   |       |
| Test place        | 874 Alse Chamber     |               |                   |       |

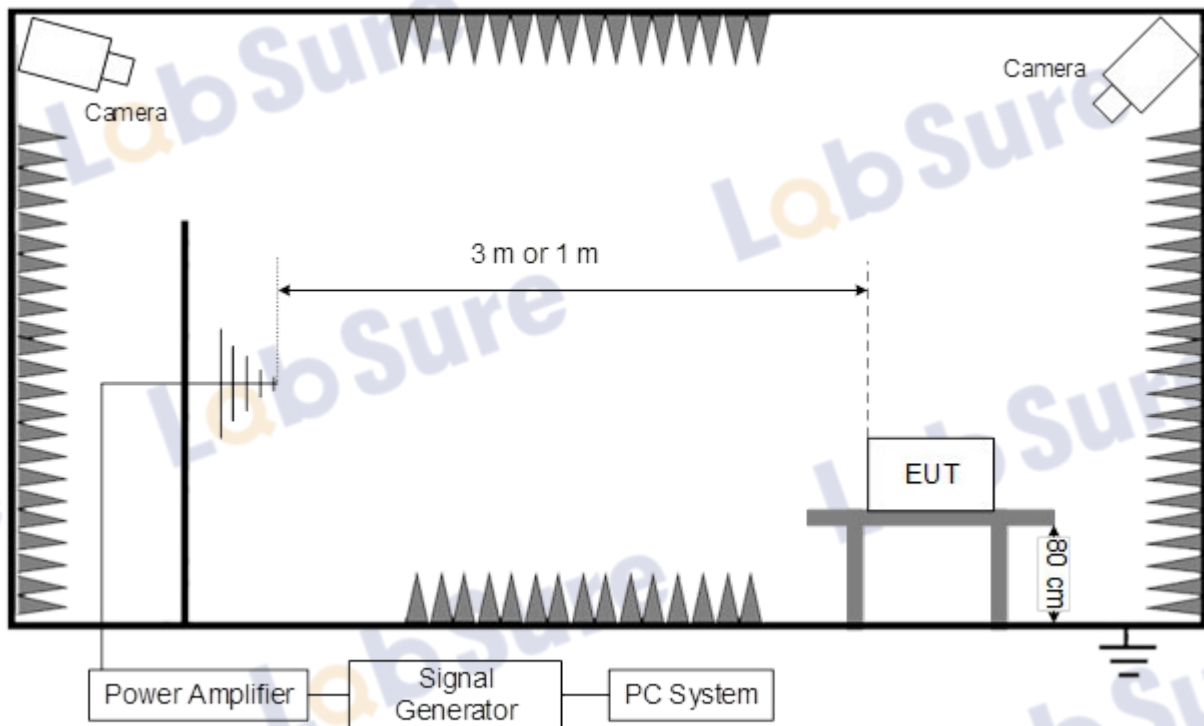
### 10.2 Test Equipment

| Equipment            | Manufacturer  | Model No.   | Serial No. | Last Cal.     | Cal. Interval |
|----------------------|---------------|-------------|------------|---------------|---------------|
| 874 ALSE Chamber     | Taihe Mao Rui | 874         | N/A        | Jan. 24, 2024 | 3 Year        |
| Power Meter          | Agilent       | E4419B      | GB43317524 | Jan. 25, 2026 | 1 Year        |
| Average Power Sensor | Keysight      | E9304A H18  | MY63020017 | Jan. 25, 2026 | 1 Year        |
| Signal Generator     | R&S           | SMB100A     | 103232     | Jan. 25, 2026 | 1 Year        |
| Power Amplifier      | R&S           | BBA100      | 100926     | Jan. 25, 2026 | 1 Year        |
| Broadband Antenna    | SCHWARZBECK   | STLP 9129   | 00066      | N/A           | N/A           |
| OSP                  | SCHWARZBECK   | OSP 120     | N/A        | N/A           | N/A           |
| Power Amplifier      | RUITU         | LDPA1G6G200 | 202412809  | Jan. 25, 2026 | 1 Year        |
| Test Software        | TONSCEND      | JS35-RS874  | 5.0.0      | N/A           | N/A           |

### 10.3 Reference Standard

EN 55035:2017,  
EN 55035:2017/A11:2020,  
IEC 61000-4-3:2020

## 10.4 Test Arrangement



The EUT is initially placed with one face coincident with the calibration plane. The EUT face being illuminated shall be contained within the UFA unless partial illumination is being applied.

The frequency ranges to be considered are swept with the signal modulated, pausing to adjust the RF signal level or to switch oscillators and antennas as necessary.

Where the frequency range is swept incrementally, the step size shall not exceed 1 % of the preceding frequency value.

The dwell time of the amplitude modulated carrier at each frequency shall not be less than the time necessary for the EUT to be exercised and to respond, but shall in no case be less than 0,5 s. The sensitive frequencies (e.g., clock frequencies) shall be analyzed separately according to the requirements in product standards.

The test shall normally be performed with the generating antenna facing each side of the EUT.

When equipment can be used in different orientations (i.e. vertical or horizontal) all sides shall be exposed to the field during the test. When technically justified, some EUTs can be tested by exposing fewer faces to the generating antenna. In other cases, as determined for example by the type and size of EUT or the frequencies of test, more than four azimuths may need to be exposed.

The polarization of the field generated by each antenna necessitates testing each selected side twice, once with the antenna positioned vertically and again with the antenna positioned horizontally.

## 10.5 Test Specification and Limit

| Swept frequency test |                                                                | Performance Criteria |
|----------------------|----------------------------------------------------------------|----------------------|
| Frequency (MHz)      | 80 to 1000                                                     | A                    |
| Field Strength       | 3V/m rms voltage level of the unmodulated signal               |                      |
| Modulation           | AM modulated to a depth of 80% by a sine wave of 1kHz (note 1) |                      |
| Step Size            | 1% increments                                                  |                      |
| Dwell time           | <5 Sec.                                                        |                      |

| Spot frequency test |                                                                | Performance Criteria |
|---------------------|----------------------------------------------------------------|----------------------|
| Frequency (MHz)     | 1800, 2600, 3500, 5000                                         | A                    |
| Field Strength      | 3V/m rms voltage level of the unmodulated signal               |                      |
| Modulation          | AM modulated to a depth of 80% by a sine wave of 1kHz (note 1) |                      |
| Dwell time          | < 5 Sec.                                                       |                      |

Note 1: The 1kHz modulation may be replaced by a different audio modulation frequency more appropriate for a given EUT if, for example, 1kHz is not within the operating audio range of the EUT.

For audio output function (if applied):

Performance criterion A

During the test the audio output function shall be maintained. The measured acoustic interference ratio and/or the measured electrical interference ratio during the test shall be -20 dB or better.

## 10.6 Test Result

|                         |                                                       |                     |                  |                         |                  |        |
|-------------------------|-------------------------------------------------------|---------------------|------------------|-------------------------|------------------|--------|
| Sample No. Y26041004-01 |                                                       |                     |                  |                         |                  |        |
| Steps: 1%               |                                                       | Dwell time: 1       |                  | Modulation: 1KHz 80% AM |                  |        |
| Operation Mode          | EUT Position                                          | Antenna: Horizontal |                  | Antenna: Vertical       |                  | Result |
|                         |                                                       | Required            | Observation      | Required                | Observation      |        |
| Mode 1                  | Front side                                            | A                   | A <sup>(1)</sup> | A                       | A <sup>(1)</sup> | Pass   |
| Mode 1                  | Back side                                             | A                   | A <sup>(1)</sup> | A                       | A <sup>(1)</sup> | Pass   |
| Mode 1                  | Left side                                             | A                   | A <sup>(1)</sup> | A                       | A <sup>(1)</sup> | Pass   |
| Mode 1                  | Right side                                            | A                   | A <sup>(1)</sup> | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | Front side                                            | A                   | A <sup>(1)</sup> | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | Back side                                             | A                   | A <sup>(1)</sup> | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | Left side                                             | A                   | A <sup>(1)</sup> | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | Right side                                            | A                   | A <sup>(1)</sup> | A                       | A <sup>(1)</sup> | Pass   |
| Remark                  |                                                       |                     |                  |                         |                  |        |
| (1)                     | During and after the test, the sample works normally. |                     |                  |                         |                  |        |

|                                                                            |      |                                                            |        |
|----------------------------------------------------------------------------|------|------------------------------------------------------------|--------|
| Audio output function result: √ this device without audio output function. |      |                                                            |        |
| Method                                                                     | Port | Acoustic interference ratio L1-L0 (dB)<br>Required: ≤-20dB | Result |
| <input type="checkbox"/> acoustic measurement                              | N/A  | N/A                                                        | N/A    |
| <input type="checkbox"/> electrical measurement                            | N/A  | N/A                                                        | N/A    |

## 11 Electrical Fast Transient/Burst Immunity

### 11.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | May. 02, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 22.1°C        | Relative humidity | 50.4% |
|                   | Atmospheric pressure | 100.6kPa      |                   |       |
| Test place        | EMC Room 2           |               |                   |       |

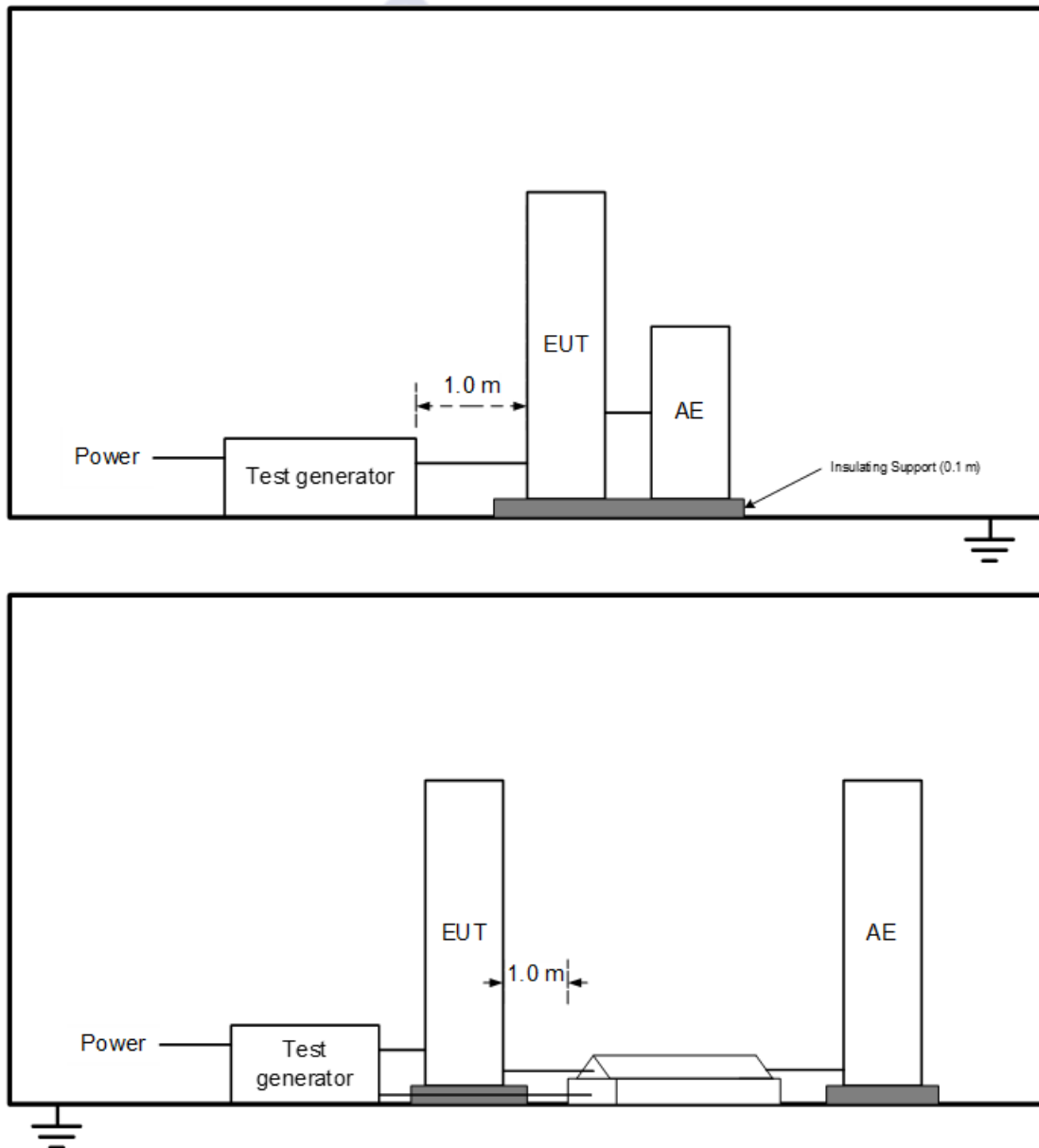
### 11.2 Test Equipment

| Equipment                         | Manufacturer | Model No.    | Serial No.  | Last Cal.     | Cal. Interval |
|-----------------------------------|--------------|--------------|-------------|---------------|---------------|
| EMS Test Generator                | TESEQ        | NSG 3060     | 1338        | Jan. 25, 2026 | 1 Year        |
| CDN                               | TESEQ        | CDN 3061     | 210         | Jan. 25, 2026 | 1 Year        |
| Temperature and humidity recorder | HuaHanWei    | TH10R        | c00286000Ed | Jan. 31, 2026 | 1 Year        |
| One-way autotransformer           | TESEQ        | VAR 3005-D16 | 094         | Jan. 25, 2026 | 1 Year        |
| Capacitive coupling clamp         | TESEQ        | CDN 8014     | 29223       | Jan. 25, 2026 | 1 Year        |

### 11.3 Reference Standard

EN 55035:2017,  
EN 55035:2017/A11:2020,  
IEC 61000-4-4:2012

#### 11.4 Test Arrangement



The EUT and its simulators were placed on the ground reference plane and were insulated from it by an insulating support  $0.1\text{m} \pm 0.01\text{m}$  thick.

The minimum distance between the EUT and all other conductive structures (e.g. the walls of a shielded room), except the ground reference plane shall be more than 0,5 m.

All cables to the EUT shall be placed on the insulation support 0,1 m above the ground reference plane. Cables not subject to electrical fast transients shall be routed as far as possible from the cable under test to minimize the coupling between the cables.



### 11.5 Test Specification and Limit

| Test Level           |                          |                                                    | Performance Criteria |
|----------------------|--------------------------|----------------------------------------------------|----------------------|
| Test voltage         | ±1kV For AC mains Port   | ±0.5kV for DC input or signal Port                 | B                    |
| Repetition Frequency | 5kHz                     | 5kHz                                               |                      |
| Burst Duration       | 15ms                     | 15ms                                               |                      |
| Burst Period         | 300ms                    | 300ms                                              |                      |
| Inject Time(s)       | 120s                     | 120s                                               |                      |
| Inject Method        | Direct for AC mains port | Direct for signal port<br>Direct for dc input port |                      |
| Inject Line          | AC Mains of adapter      | DC input of adapter or Capacitive coupling clamp   |                      |

Note: This test shall be additionally performed on analogue/digital data ports, and DC network power ports, of radio equipment and associated ancillary equipment, if the cables may be longer than 3 m.

### 11.6 Test Result

| Sample No. Y26041004-01 |                                                       |              |                 |                  |                  |        |
|-------------------------|-------------------------------------------------------|--------------|-----------------|------------------|------------------|--------|
| Injected Port           | AC Ports                                              |              | Coupling        | Direct           |                  |        |
| Burst Period:           | 300ms                                                 |              | Test Time:      | 120s             |                  |        |
| Repetition Frequency    | 5KHz                                                  |              | Burst Durations | 15ms             |                  |        |
| Operation Mode          | Line                                                  | Test Voltage | Required        | Observation      |                  | Result |
|                         |                                                       |              |                 | Positive         | Negative         |        |
| Mode 1                  | L                                                     | ±1kV         | B               | A <sup>(1)</sup> | A <sup>(1)</sup> | Pass   |
| Mode 1                  | N                                                     | ±1kV         | B               | A <sup>(1)</sup> | A <sup>(1)</sup> | Pass   |
| Mode 1                  | L-N                                                   | ±1kV         | B               | A <sup>(1)</sup> | A <sup>(1)</sup> | Pass   |
| Mode 2                  | L                                                     | ±1kV         | B               | A <sup>(1)</sup> | A <sup>(1)</sup> | Pass   |
| Mode 2                  | N                                                     | ±1kV         | B               | A <sup>(1)</sup> | A <sup>(1)</sup> | Pass   |
| Mode 2                  | L-N                                                   | ±1kV         | B               | A <sup>(1)</sup> | A <sup>(1)</sup> | Pass   |
| Remark                  |                                                       |              |                 |                  |                  |        |
| (1)                     | During and after the test, the sample works normally. |              |                 |                  |                  |        |

|                         |                                                       |              |                 |                  |                  |        |
|-------------------------|-------------------------------------------------------|--------------|-----------------|------------------|------------------|--------|
| Sample No. Y26041004-01 |                                                       |              |                 |                  |                  |        |
| Injected Port           | Signal Port                                           |              | Coupling        |                  | Capacitive Clamp |        |
| Burst Period:           | 300ms                                                 |              | Test Time:      |                  | 120s             |        |
| Repetition Frequency    | 5KHz                                                  |              | Burst Durations |                  | 15ms             |        |
| Operation Mode          | Line                                                  | Test Voltage | Required        | Observation      |                  | Result |
|                         |                                                       |              |                 | Positive         | Negative         |        |
| Mode 1                  | LAN                                                   | ±0.5kV       | B               | A <sup>(1)</sup> | A <sup>(1)</sup> | Pass   |
| Mode 2                  | LAN                                                   | ±0.5kV       | B               | A <sup>(1)</sup> | A <sup>(1)</sup> | Pass   |
| Remark                  |                                                       |              |                 |                  |                  |        |
| (1)                     | During and after the test, the sample works normally. |              |                 |                  |                  |        |

## 12 Surge Immunity

### 12.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | May. 02, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 22.3°C        | Relative humidity | 50.2% |
|                   | Atmospheric pressure | 100.6kPa      |                   |       |
| Test place        | EMC Room 2           |               |                   |       |

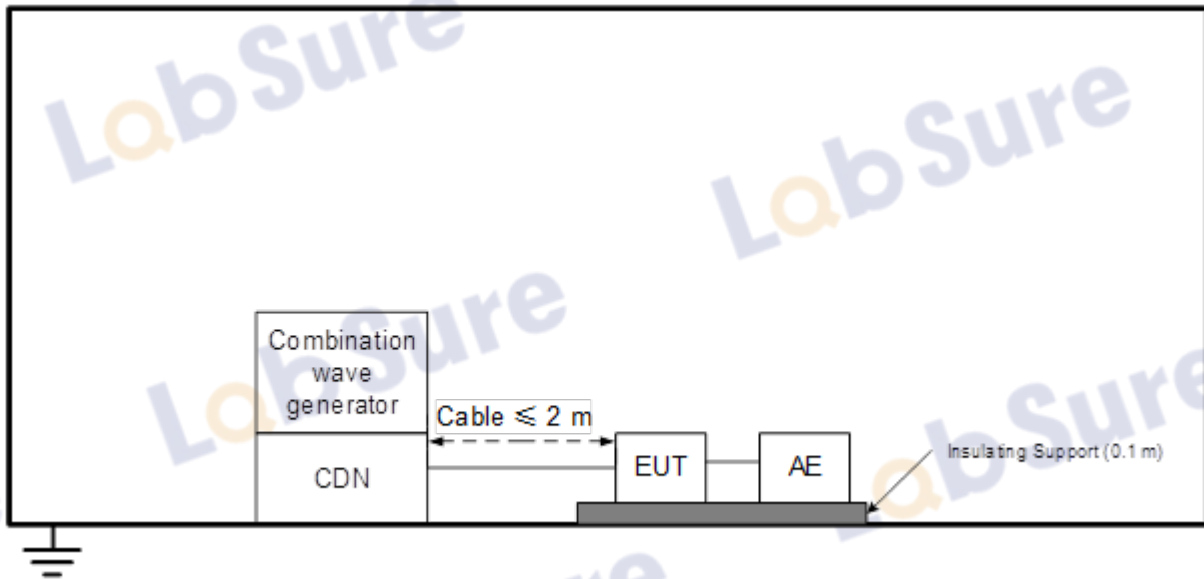
### 12.2 Test Equipment

| Equipment                                             | Manufacturer | Model No.    | Serial No.       | Last Cal.     | Cal. Interval |
|-------------------------------------------------------|--------------|--------------|------------------|---------------|---------------|
| EMS Test Generator                                    | TESEQ        | NSG 3060     | 1338             | Jan. 25, 2026 | 1 Year        |
| CDN                                                   | TESEQ        | CDN 3061     | 210              | Jan. 25, 2026 | 1 Year        |
| Temperature and humidity recorder                     | HuaHanWei    | TH10R        | c00286000Ec<br>d | Jan. 31, 2026 | 1 Year        |
| One-way autotransformer                               | TESEQ        | VAR 3005-D16 | 094              | Jan. 25, 2026 | 1 Year        |
| Unshielded symmetric line coupling decoupling network | TESEQ        | CDN 118      | 28496            | Jan. 25, 2026 | 1 Year        |
| COUPLING ACCESSORY GAS ARRESTOR                       | TESEQ        | INA 170      | SL 403-107       | Jan. 25, 2026 | 1 Year        |

### 12.3 Reference Standard

EN 55035:2017,  
EN 55035:2017/A11:2020,  
IEC 61000-4-5:2014+A1:2017

## 12.4 Test Arrangement



EUT should be configured in representative operating conditions.

At least 5 positive and 5 negative (polarity) tests with a maximum 1/min repetition rate are applied during test.

Different phase angles are done individually, if applied.

Record the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.

## 12.5 Test Specification and Limit

| Test level for AC mains ports                                                                                           |                                                                             | Performance Criterion |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------|
| Line to Line                                                                                                            | 1kV 1.2/50(8/20) $\mu\text{s}$                                              | B                     |
| Line to Ground                                                                                                          | 2kV 1.2/50(8/20) $\mu\text{s}$                                              | B                     |
| Analogue/digital data port, Port type: unshielded symmetrical                                                           |                                                                             | Performance Criterion |
| Line to Ground                                                                                                          | 1 kV and 4kV 10/700(5/320) $\mu\text{s}$ (used with the primary protection) | C                     |
| Line to Ground                                                                                                          | 1 kV 10/700(5/320) $\mu\text{s}$ (used without the primary protection)      | C                     |
| Note: Applicable only to ports which, according to the manufacturer's specification, the cable lengths greater than 3m. |                                                                             |                       |
| Analogue/digital data port, Port type: coaxial or shielded                                                              |                                                                             | Performance Criterion |
| Shield to ground                                                                                                        | 0.5 kV 1.2/50(8/20) $\mu\text{s}$                                           | B                     |
| Note: Applicable only to ports which, according to the manufacturer's specification, the cable lengths greater than 3m. |                                                                             |                       |
| DC network power port                                                                                                   |                                                                             | Performance Criterion |
| Line to reference ground                                                                                                | 0.5 kV 1.2/50(8/20) $\mu\text{s}$                                           | B                     |

Note: Applicable only to ports which, according to the manufacturer's specification, 1. The cable lengths greater than 3m; 2. May connect directly to outdoor cables.

The number of pulses applied shall be as follows:

- Five positive pulses line-to-neutral at 90° phase
- Five negative pulses line-to-neutral at 270° phase

The following additional pulses are required only if the EUT has an earth connection or if the EUT is earthed via any AE.

- Five positive pulses line-to-earth at 90° phase
- Five negative pulses line-to-earth at 270° phase
- Five negative pulses neutral-to-earth at 90° phase
- Five positive pulses neutral-to-earth at 270° phase

## 12.6 Test Result

| Sample No. Y26041004-01 |                                                       |        |              |                  |                          |        |
|-------------------------|-------------------------------------------------------|--------|--------------|------------------|--------------------------|--------|
| Injected Port           | AC Ports                                              |        | Wave Type    |                  | 1.2/50us-8/20us          |        |
| Pulse Interval          | 60s                                                   |        | Pulse times: |                  | 5 times at each polarity |        |
| Operation Mode          | Coupling Line                                         | Level  | Required     | Observation      |                          | Result |
|                         |                                                       |        |              | Positive         | Negative                 |        |
| Mode 1                  | L-N                                                   | ±0.5kV | B            | A <sup>(1)</sup> | A <sup>(1)</sup>         | Pass   |
| Mode 1                  | L-N                                                   | ±1kV   | B            | A <sup>(1)</sup> | A <sup>(1)</sup>         | Pass   |
| Mode 2                  | L-N                                                   | ±0.5kV | B            | A <sup>(1)</sup> | A <sup>(1)</sup>         | Pass   |
| Mode 2                  | L-N                                                   | ±1kV   | B            | A <sup>(1)</sup> | A <sup>(1)</sup>         | Pass   |
| Remark                  |                                                       |        |              |                  |                          |        |
| (1)                     | During and after the test, the sample works normally. |        |              |                  |                          |        |

| Sample No. Y26041004-01 |                                                       |        |              |                  |                          |        |
|-------------------------|-------------------------------------------------------|--------|--------------|------------------|--------------------------|--------|
| Injected Port           | LAN Port                                              |        | Wave Type    |                  | 1.2/50us-8/20us          |        |
| Pulse Interval          | 60s                                                   |        | Pulse times: |                  | 5 times at each polarity |        |
| Operation Mode          | Coupling Line                                         | Level  | Required     | Observation      |                          | Result |
|                         |                                                       |        |              | Positive         | Negative                 |        |
| Mode 1                  | LAN                                                   | ±0.5kV | B            | A <sup>(1)</sup> | A <sup>(1)</sup>         | Pass   |
| Mode 2                  | LAN                                                   | ±0.5kV | B            | A <sup>(1)</sup> | A <sup>(1)</sup>         | Pass   |
| Remark                  |                                                       |        |              |                  |                          |        |
| (1)                     | During and after the test, the sample works normally. |        |              |                  |                          |        |



## 13 Immunity to Conducted Disturbances, Induced by Radio-frequency Fields

### 13.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | May. 02, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 22.6°C        | Relative humidity | 53.2% |
|                   | Atmospheric pressure | 100.6kPa      |                   |       |
| Test place        | Shield Room 2        |               |                   |       |

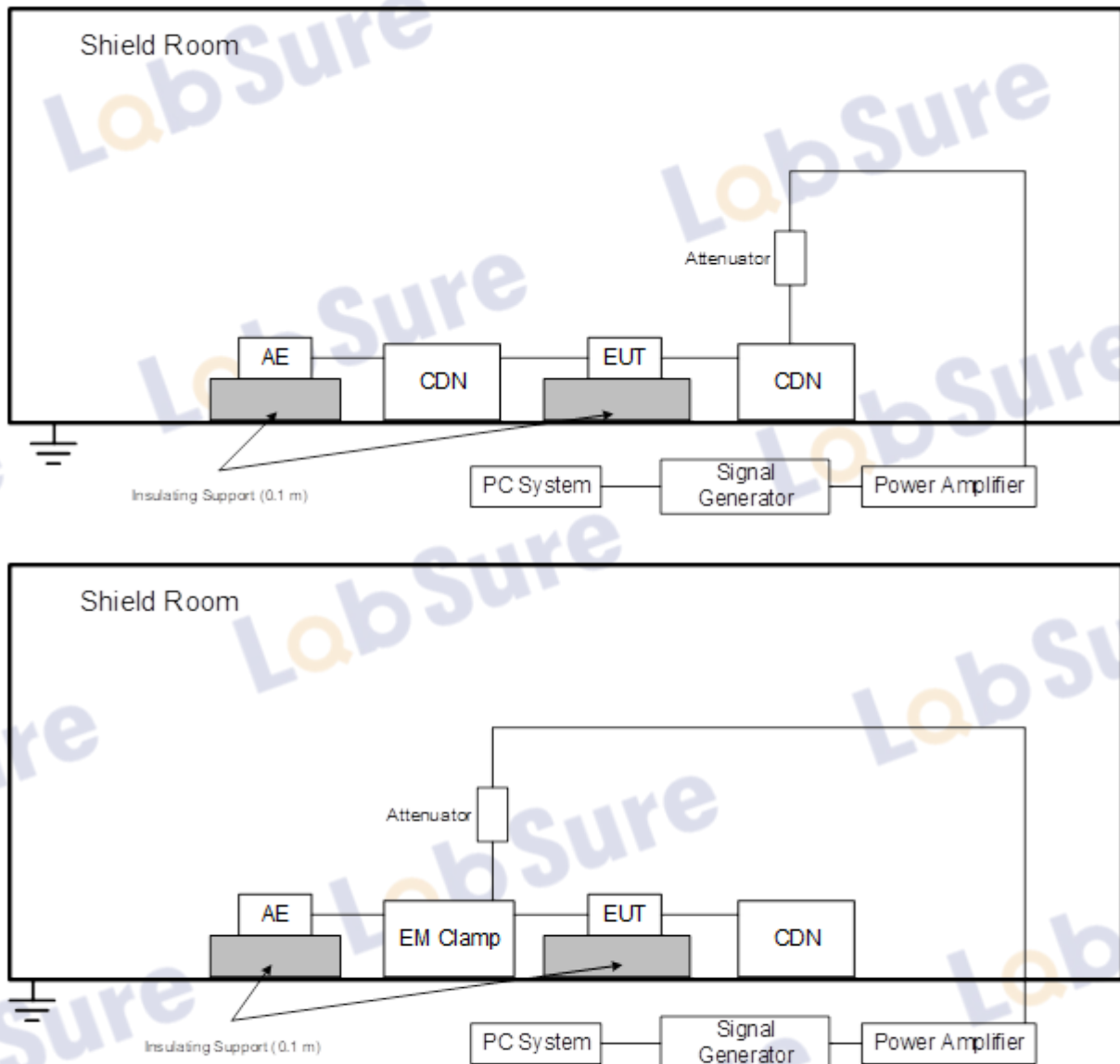
### 13.2 Test Equipment

| Equipment                         | Manufacturer  | Model No.  | Serial No.     | Last Cal.     | Cal. Interval |
|-----------------------------------|---------------|------------|----------------|---------------|---------------|
| Shielding Room 2                  | Taihe Mao Rui | N/A        | N/A            | Jan. 25, 2024 | 3 Year        |
| Average Power Sensor              | Keysight      | E9304A H18 | MY58370011     | Jan. 25, 2026 | 1 Year        |
| Signal Generator                  | R&S           | SMC100A    | 101337         | Jan. 25, 2026 | 1 Year        |
| Power Meter                       | Agilent       | E4419B     | MY45103696     | Jan. 25, 2026 | 1 Year        |
| Directional Coupler               | JunKe         | DDTO-1-40  | 23062841       | Jan. 25, 2026 | 1 Year        |
| CDN                               | 3ctest        | CDN M2M3   | ES064002623009 | Jan. 25, 2026 | 1 Year        |
| CDN                               | 3ctest        | CDN RJ45   | ES064003723006 | Jan. 25, 2026 | 1 Year        |
| Temperature and humidity recorder | HuaHanWei     | TH10R      | c00286000Ec8   | Jan. 31, 2026 | 1 Year        |
| Power Amplifier                   | AR            | 100A400M3  | 306482         | Jan. 25, 2026 | 1 Year        |
| Test Software                     | TONSCEND      | JS35-CS    | 5.0.0          | N/A           | N/A           |

### 13.3 Reference Standard

EN 55035:2017,  
EN 55035:2017/A11:2020,  
IEC 61000-4-6:2023

### 13.4 Test Arrangement



The EUT are placed on an insulating support 0.1m high above a ground reference plane. CDN (coupling and decoupling device) is placed on the ground plane at a distance 0.1 m to 0.3 m from EUT. Cables between CDN and EUT are as short as possible, and their height above the ground reference plane shall be at least 30 mm.

The disturbance signal described below is injected to EUT through CDN.

The EUT operates within its operational mode(s).

Recording the EUT operating situation during compliance testing and decide the EUT immunity criterion.

### 13.5 Test Specification and Limit

| Test Level                   |                                                                      | Performance Criteria |
|------------------------------|----------------------------------------------------------------------|----------------------|
| Frequency and Field Strength | 0.15MHz to 10MHz, 3V rms voltage level of the unmodulated signal     | A                    |
|                              | 10MHz to 30MHz, 3V to 1V rms voltage level of the unmodulated signal |                      |
|                              | 30MHz to 80MHz, 1V rms voltage level of the unmodulated signal       |                      |
| Modulation                   | AM modulated to a depth of 80% by a sine wave of 1kHz, (note 1)      |                      |
| Step Size                    | 1% increments                                                        |                      |
| Dwell time                   | < 5 Sec.                                                             |                      |

Note 1: The 1kHz modulation may be replaced by a different audio modulation frequency more appropriate for a given EUT if, for example, 1kHz is not within the operating audio range of the EUT.

For audio output function (if applied):

Performance criterion A

During the test the audio output function shall be maintained. The measured acoustic interference ratio and/or the measured electrical interference ratio during the test shall be -20 dB or better.

### 13.6 Test Result

| Sample No. Y26041004-01 |                                                       |                   |         |                         |                  |        |
|-------------------------|-------------------------------------------------------|-------------------|---------|-------------------------|------------------|--------|
| Steps: 1%               |                                                       | Dwell time: 1     |         | Modulation: 1KHz 80% AM |                  |        |
| Operation mode          | Frequency Range                                       | Injected Position | Level   | Required                | Observation      | Result |
| Mode 1                  | 0.15MHz ~ 10MHz                                       | AC Port           | 3V      | A                       | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 10MHz ~ 30MHz                                         | AC Port           | 3V ~ 1V | A                       | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 30MHz ~ 80MHz                                         | AC Port           | 1V      | A                       | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 0.15MHz ~ 10MHz                                       | LAN Port          | 3V      | A                       | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 10MHz ~ 30MHz                                         | LAN Port          | 3V ~ 1V | A                       | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 30MHz ~ 80MHz                                         | LAN Port          | 1V      | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 0.15MHz ~ 10MHz                                       | AC Port           | 3V      | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 10MHz ~ 30MHz                                         | AC Port           | 3V ~ 1V | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 30MHz ~ 80MHz                                         | AC Port           | 1V      | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 0.15MHz ~ 10MHz                                       | LAN Port          | 3V      | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 10MHz ~ 30MHz                                         | LAN Port          | 3V ~ 1V | A                       | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 30MHz ~ 80MHz                                         | LAN Port          | 1V      | A                       | A <sup>(1)</sup> | Pass   |
| Remark                  |                                                       |                   |         |                         |                  |        |
| (1)                     | During and after the test, the sample works normally. |                   |         |                         |                  |        |

| Audio output function result: √ this device without audio output function. |      |                                                               |        |
|----------------------------------------------------------------------------|------|---------------------------------------------------------------|--------|
| Method                                                                     | Port | Acoustic interference ratio<br>L1-L0 (dB)<br>Required: ≤-20dB | Result |
| <input type="checkbox"/> acoustic<br>measurement                           | N/A  | N/A                                                           | N/A    |
| <input type="checkbox"/> electrical<br>measurement                         | N/A  | N/A                                                           | N/A    |

## 14 Power Frequency Magnetic Field Immunity

### 14.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | May. 02, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 22.4°C        | Relative humidity | 50.5% |
|                   | Atmospheric pressure | 100.6kPa      |                   |       |
| Test place        | EMC Room 2           |               |                   |       |

### 14.2 Test Equipment

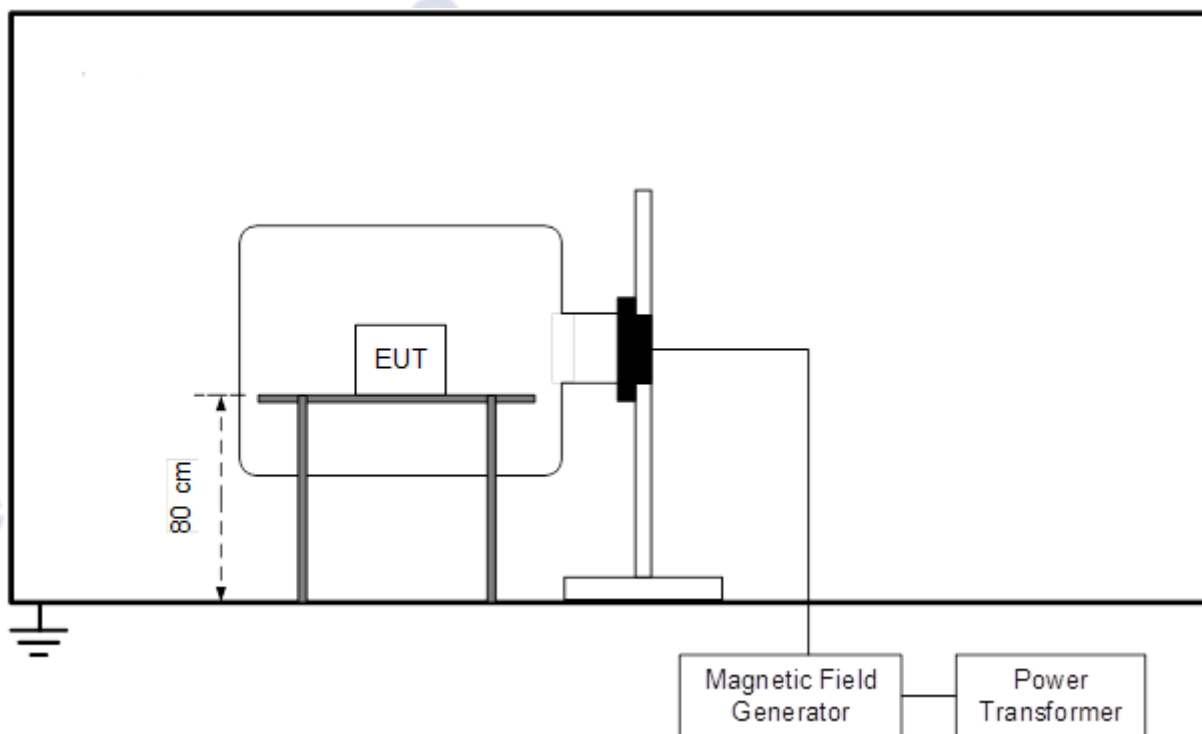
| Equipment                                | Manufacturer | Model No.    | Serial No.  | Last Cal.     | Cal. Interval |
|------------------------------------------|--------------|--------------|-------------|---------------|---------------|
| EMS Test Generator                       | TESEQ        | NSG 3060     | 1338        | Jan. 25, 2026 | 1 Year        |
| Temperature and humidity recorder        | HuaHanWei    | TH10R        | c00286000Ed | Jan. 31, 2026 | 1 Year        |
| One-way autotransformer                  | TESEQ        | VAR 3005-D16 | 094         | Jan. 25, 2026 | 1 Year        |
| Power frequency magnetic field generator | TESEQ        | MFO 6502     | 123         | Jan. 25, 2026 | 1 Year        |
| Power frequency magnetic field coil      | TESEQ        | INA 702      | 199         | Jan. 25, 2026 | 1 Year        |

### 14.3 Reference Standard

EN 55035:2017,  
EN 55035:2017/A11:2020,  
IEC 61000-4-8:2009



#### 14.4 Test Arrangement



The EUT shall be subjected to the test magnetic field by using the induction coil of standard dimensions (1m\*1m). Then induction coil shall then be rotated by 90° in order to expose the EUT to the test field with different orientations.

#### 14.5 Test Specification and Limit

| Magnetic Field Strength (A/m) | Performance Criterion |
|-------------------------------|-----------------------|
| 1                             | A                     |

#### 14.6 Test Result

| Sample No. Y26041004-01 |                                                       |                  |          |                  |        |
|-------------------------|-------------------------------------------------------|------------------|----------|------------------|--------|
| Operation Mode          | Test Level                                            | Coil Orientation | Required | Observation      | Result |
| Mode 1                  | 1A/m                                                  | X                | A        | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 1A/m                                                  | Y                | A        | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 1A/m                                                  | Z                | A        | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 1A/m                                                  | X                | A        | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 1A/m                                                  | Y                | A        | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 1A/m                                                  | Z                | A        | A <sup>(1)</sup> | Pass   |
| Remark                  |                                                       |                  |          |                  |        |
| (1)                     | During and after the test, the sample works normally. |                  |          |                  |        |

## 15 Voltage Dips, Short Interruptions and Voltage Variations Immunity

### 15.1 General Information

|                   |                      |               |                   |       |
|-------------------|----------------------|---------------|-------------------|-------|
| Test date         | May. 02, 2026        | Test engineer | Ethan Luo         |       |
| Climate condition | Ambient temperature  | 22.4°C        | Relative humidity | 50.5% |
|                   | Atmospheric pressure | 100.6kPa      |                   |       |
| Test place        | EMC Room 2           |               |                   |       |

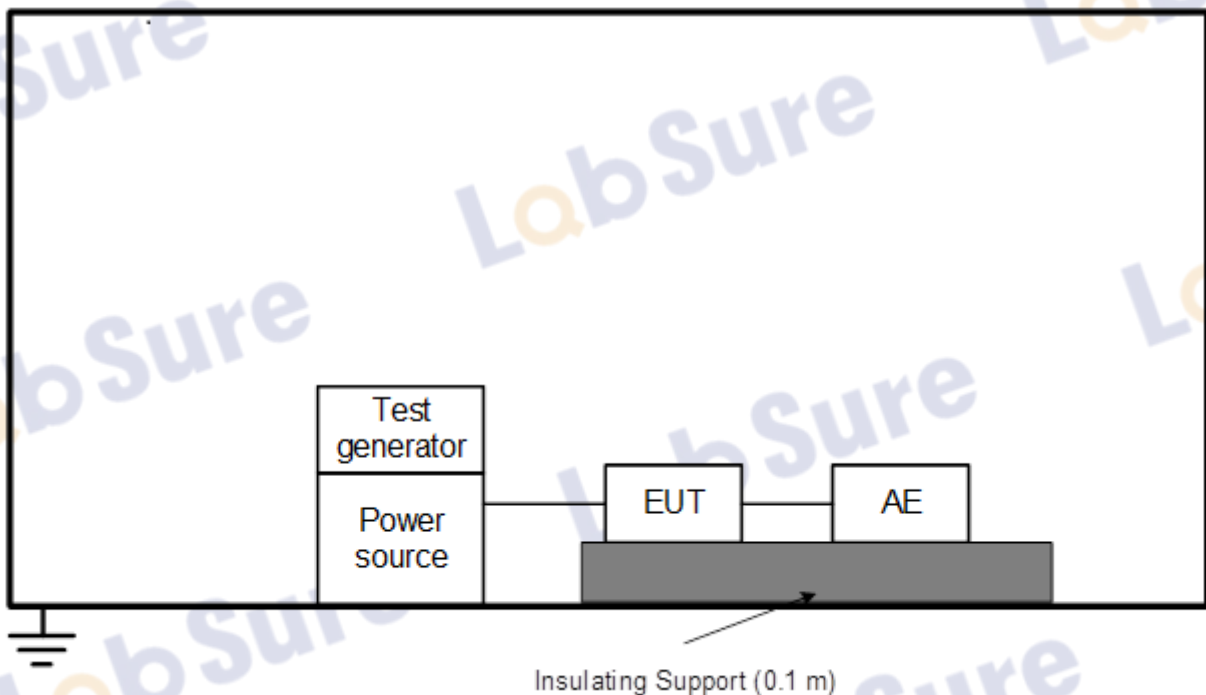
### 15.2 Test Equipment

| Equipment                         | Manufacturer | Model No.    | Serial No.  | Last Cal.     | Cal. Interval |
|-----------------------------------|--------------|--------------|-------------|---------------|---------------|
| EMS Test Generator                | TESEQ        | NSG 3060     | 1338        | Jan. 25, 2026 | 1 Year        |
| CDN                               | TESEQ        | CDN 3061     | 210         | Jan. 25, 2026 | 1 Year        |
| Temperature and humidity recorder | HuaHanWei    | TH10R        | c00286000Ed | Jan. 31, 2026 | 1 Year        |
| One-way autotransformer           | TESEQ        | VAR 3005-D16 | 094         | Jan. 25, 2026 | 1 Year        |

### 15.3 Reference Standard

EN 55035:2017,  
EN 55035:2017/A11:2020,  
IEC 61000-4-11:2020

### 15.4 Test Arrangement



The EUT and test generator were setup as shown. The interruptions are introduced at selected phase angles with specified duration. Record any degradation of performance.

### 15.5 Test Specification and Limit

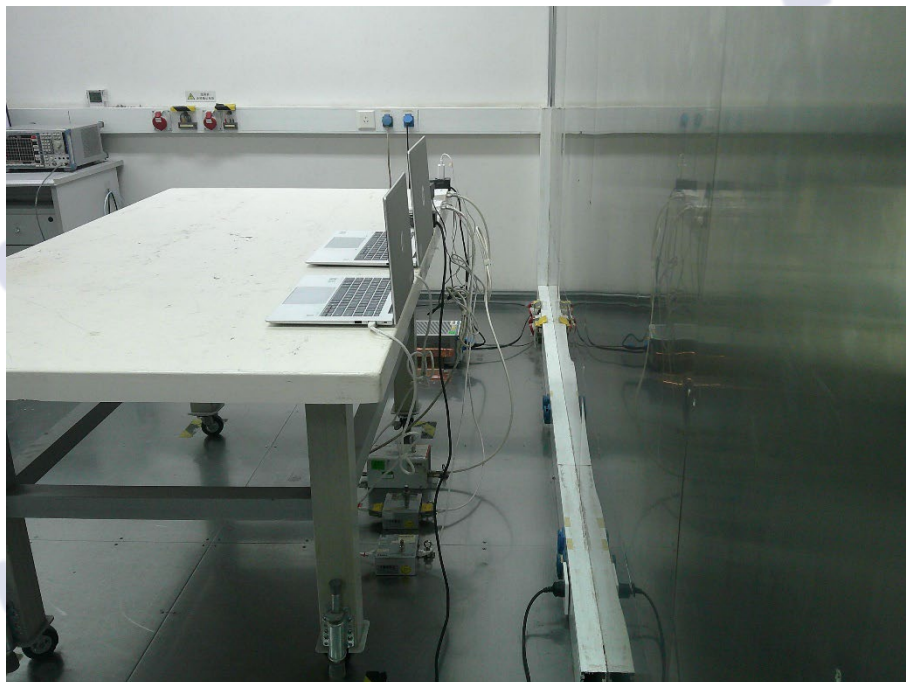
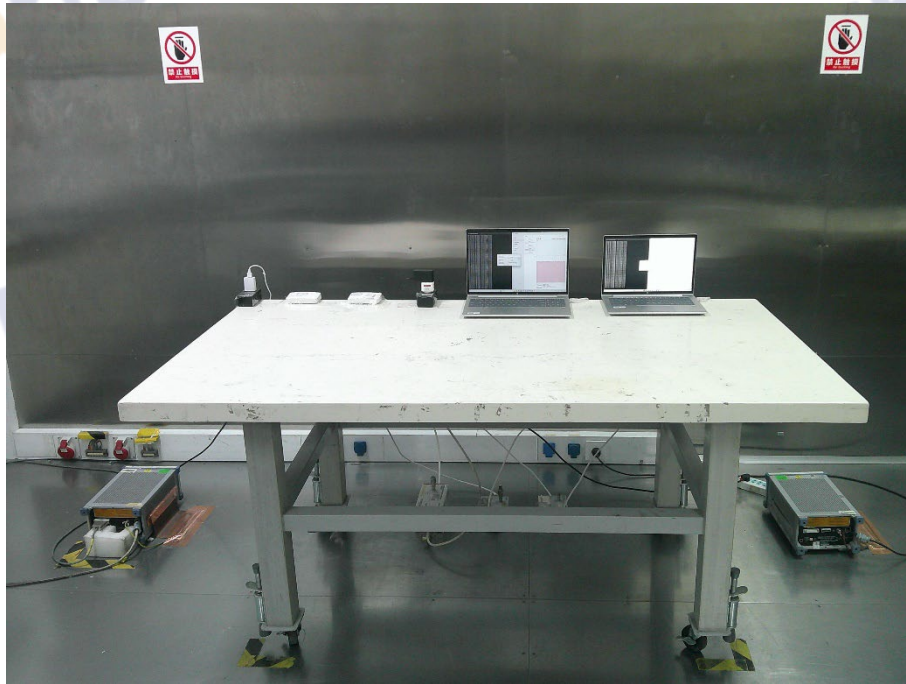
| Test Level %UT | Duration (in period)      | Performance Criterion |
|----------------|---------------------------|-----------------------|
| <5             | 0.5                       | B                     |
| 70             | 25 for 50Hz/30 for 60Hz   | C                     |
| <5             | 250 for 50Hz/300 for 60Hz | C                     |

### 15.6 Test Result

| Sample No. Y26041004-01 |                                                                                                                                                 |     |             |                      |          |                  |        |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|----------------------|----------|------------------|--------|
| Operation Mode          | Operation Voltage                                                                                                                               | %Ur | Phase Angle | Duration (in period) | Required | Observation      | Result |
| Mode 1                  | 240V 50Hz                                                                                                                                       | 0   | 0°,180°     | 0.5P                 | B        | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 240V 50Hz                                                                                                                                       | 70  | 0°,180°     | 25P                  | C        | A <sup>(1)</sup> | Pass   |
| Mode 1                  | 240V 50Hz                                                                                                                                       | 0   | 0°,180°     | 250P                 | C        | B <sup>(2)</sup> | Pass   |
| Mode 2                  | 240V 50Hz                                                                                                                                       | 0   | 0°,180°     | 0.5P                 | B        | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 240V 50Hz                                                                                                                                       | 70  | 0°,180°     | 25P                  | C        | A <sup>(1)</sup> | Pass   |
| Mode 2                  | 240V 50Hz                                                                                                                                       | 0   | 0°,180°     | 250P                 | C        | B <sup>(2)</sup> | Pass   |
| Mode 3                  | 100V 60Hz                                                                                                                                       | 0   | 0°,180°     | 0.5P                 | B        | A <sup>(1)</sup> | Pass   |
| Mode 3                  | 100V 60Hz                                                                                                                                       | 70  | 0°,180°     | 30P                  | C        | A <sup>(1)</sup> | Pass   |
| Mode 3                  | 100V 60Hz                                                                                                                                       | 0   | 0°,180°     | 300P                 | C        | B <sup>(2)</sup> | Pass   |
| Mode 4                  | 100V 60Hz                                                                                                                                       | 0   | 0°,180°     | 0.5P                 | B        | A <sup>(1)</sup> | Pass   |
| Mode 4                  | 100V 60Hz                                                                                                                                       | 70  | 0°,180°     | 30P                  | C        | A <sup>(1)</sup> | Pass   |
| Mode 4                  | 100V 60Hz                                                                                                                                       | 0   | 0°,180°     | 300P                 | C        | B <sup>(2)</sup> | Pass   |
| Remark                  |                                                                                                                                                 |     |             |                      |          |                  |        |
| (1)                     | During and after the test, the sample works normally.                                                                                           |     |             |                      |          |                  |        |
| (2)                     | During the interference period, the performance of the sample decreases.After the interference stopped, automatically restore normal operation. |     |             |                      |          |                  |        |

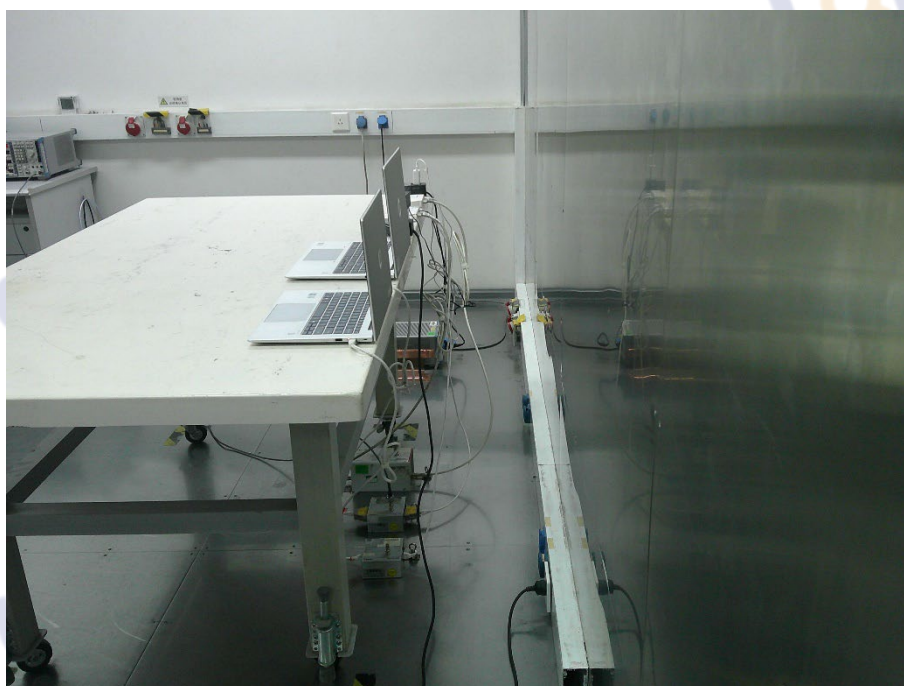
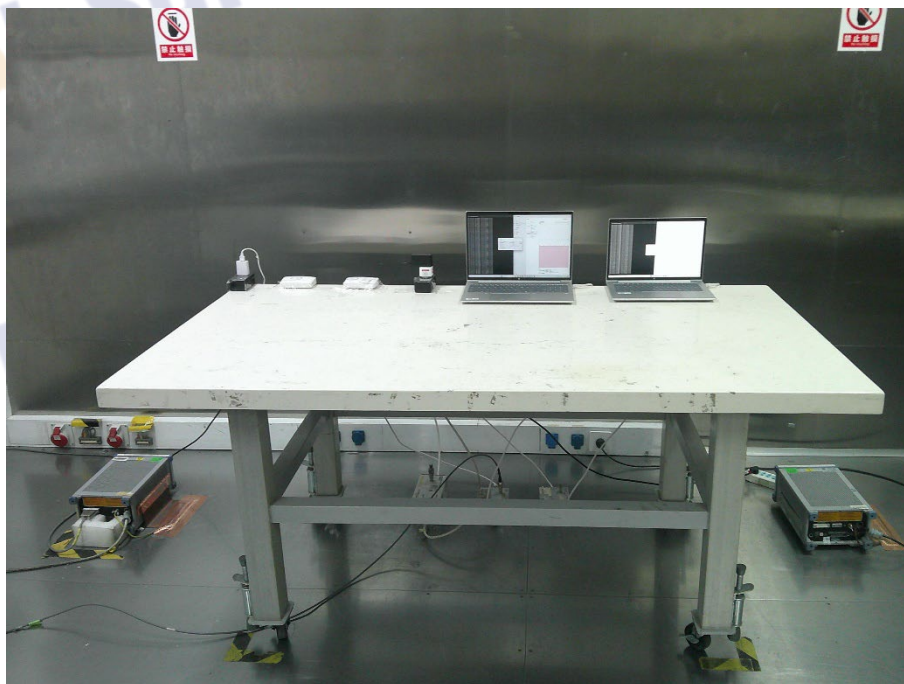
## Annex A. Test Setup Photos

### A.1 Conducted Emissions (AC mains power ports)





## A.2 Conducted Emissions (asymmetric mode)

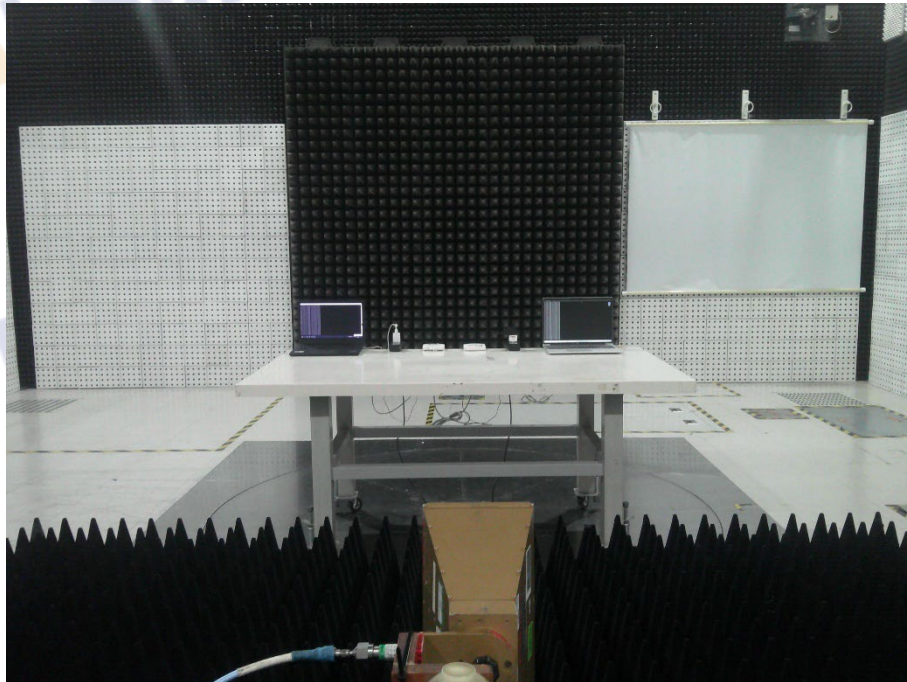




### A.3 Radiated Emissions (30MHz to 1GHz)



#### A.4 Radiated Emissions (Above 1GHz)





## A.5 Harmonic Current Emissions



## A.6 Voltage Changes, Voltage Fluctuations and Flicker

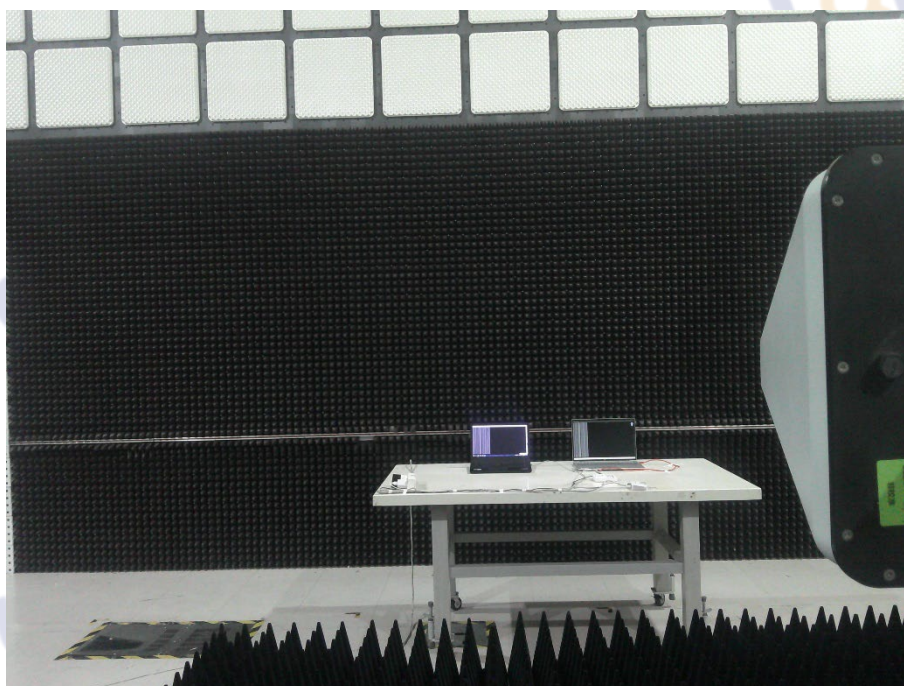
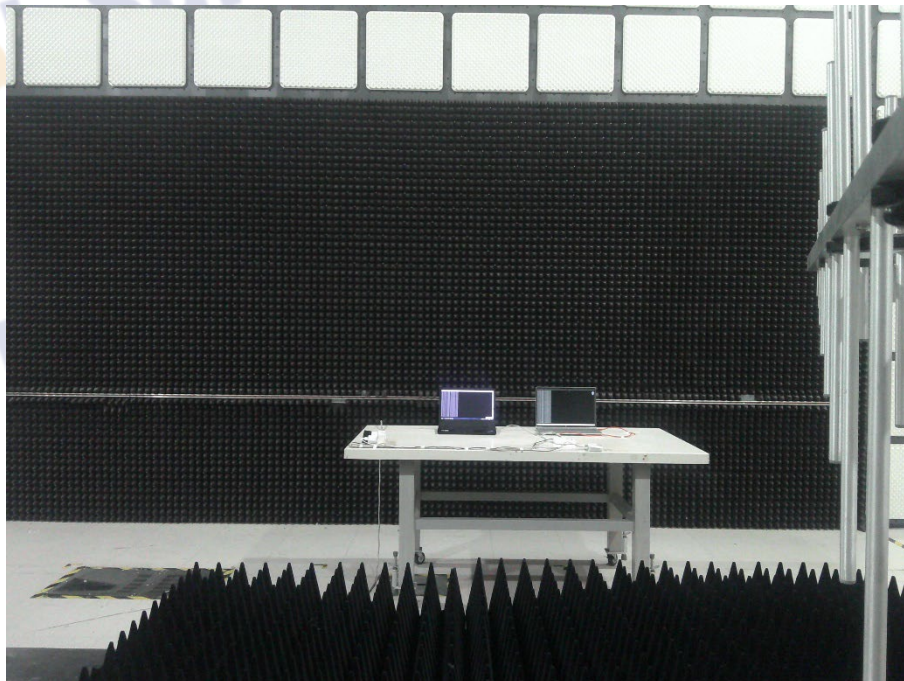


## A.7 Electrostatic Discharge Immunity

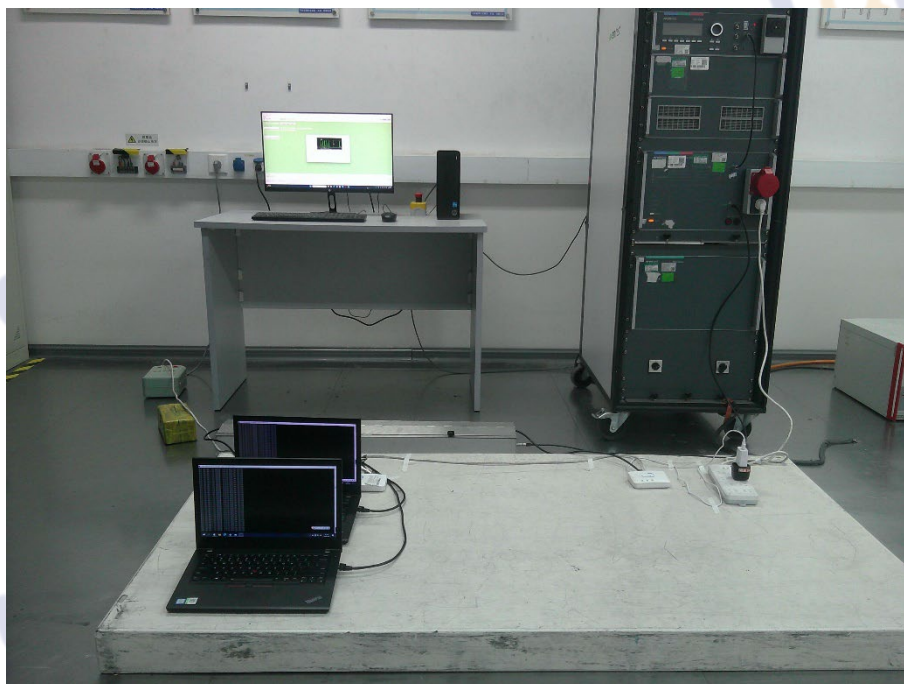




## A.8 Radiated, Radio-frequency, Electromagnetic Field Immunity



## A.9 Electrical Fast Transient/Burst Immunity

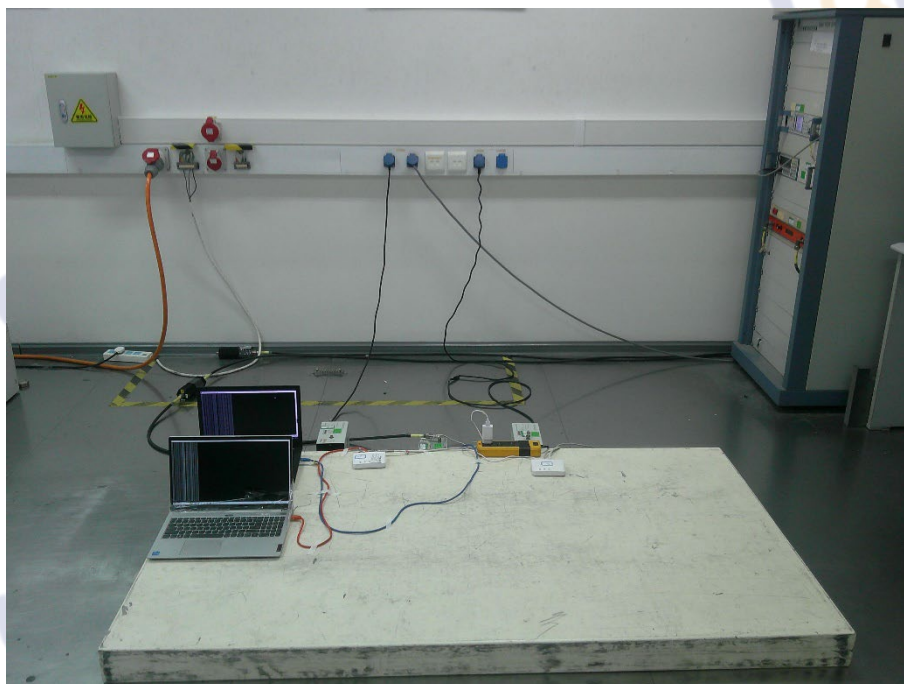
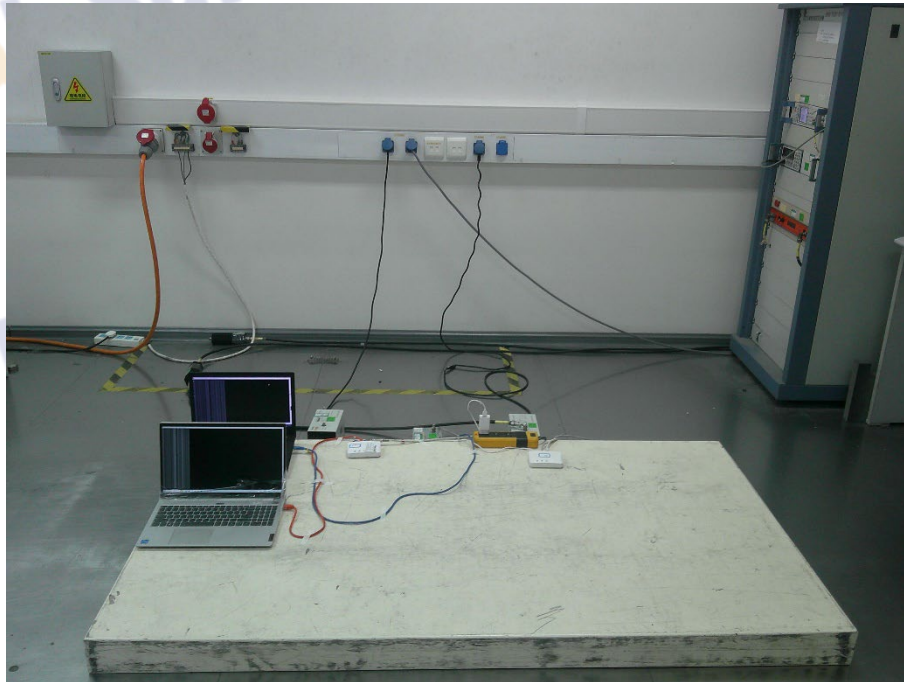




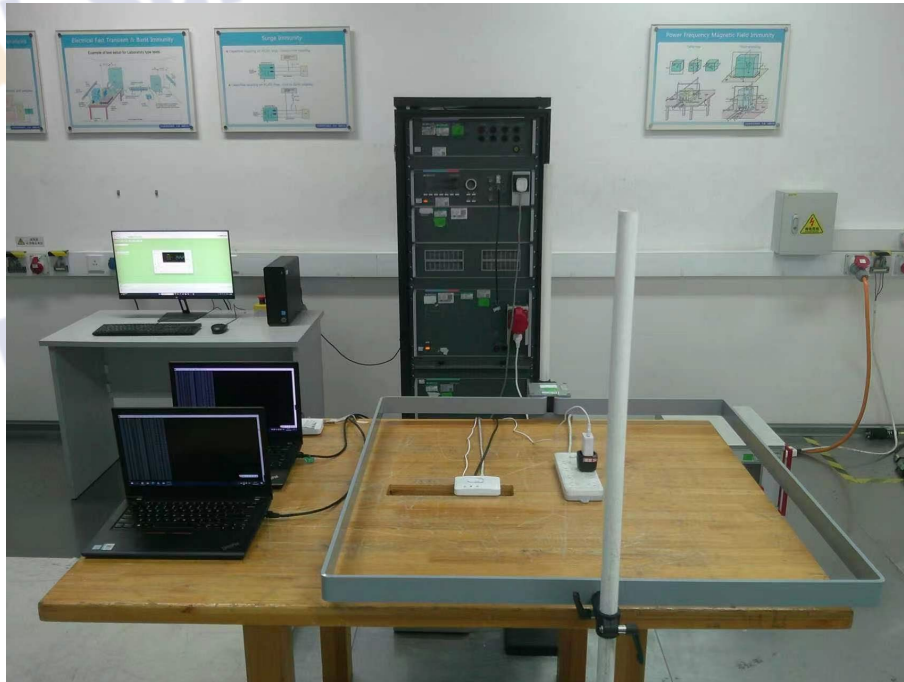
## A.10 Surge Immunity



## A.11 Immunity to Conducted Disturbances, Induced by Radio-frequency Fields



## A.12 Power Frequency Magnetic Field Immunity

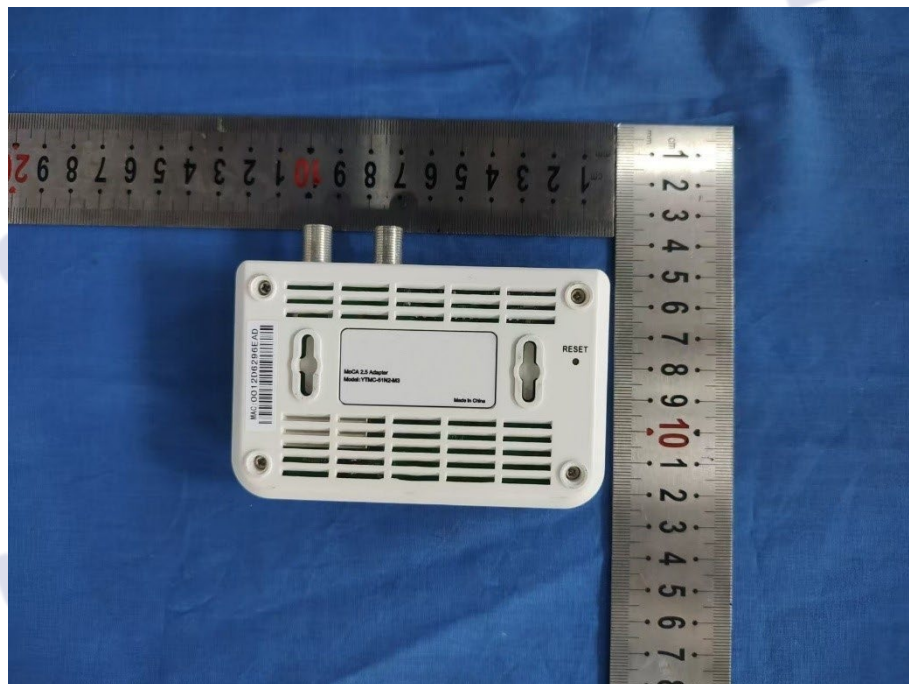




### A.13 Voltage Dips, Short Interruptions and Voltage Variations Immunity



## Annex B.Photos of EUT

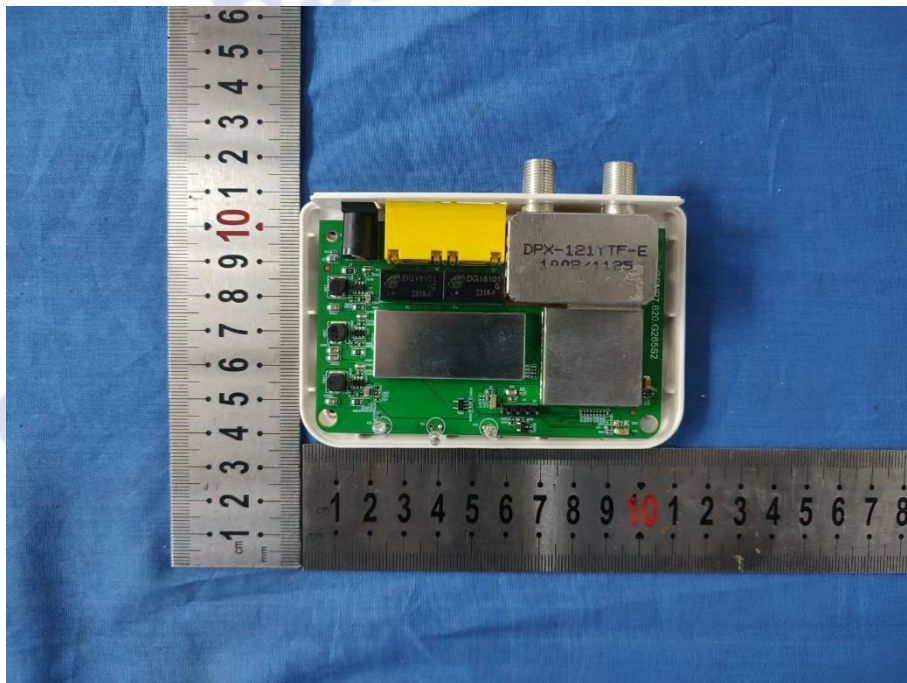
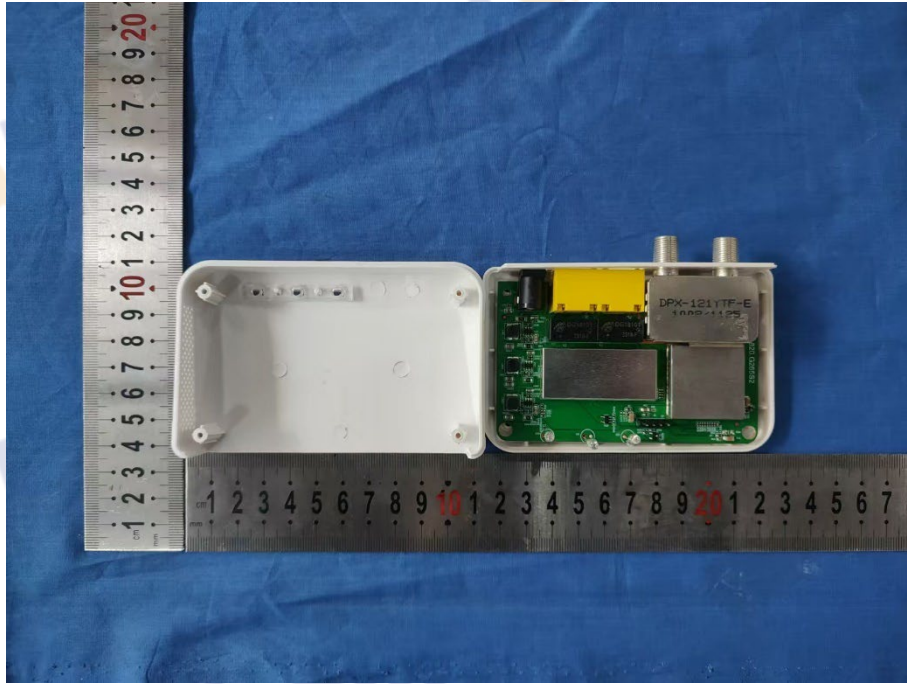


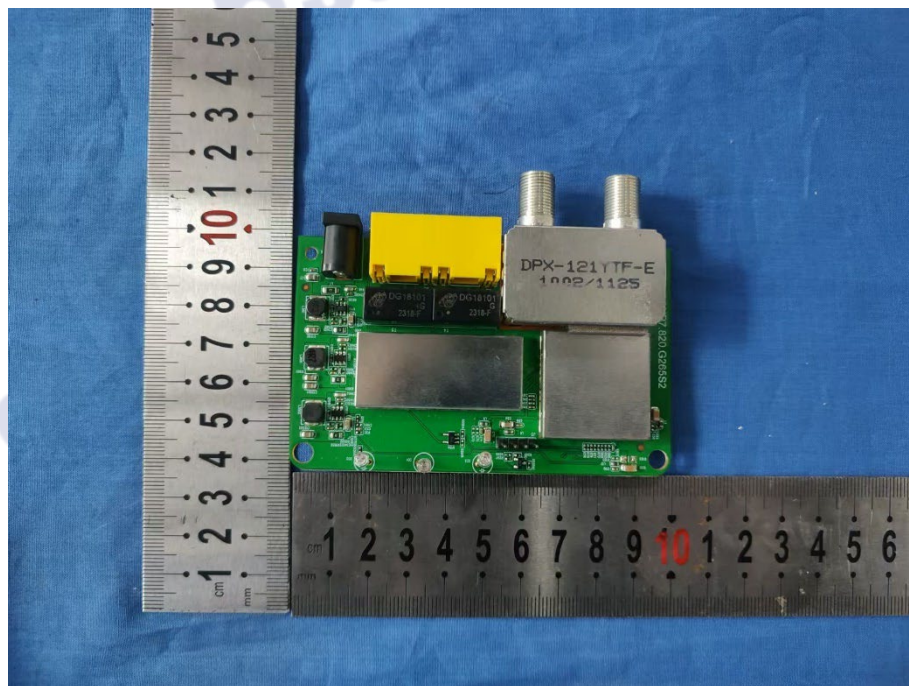
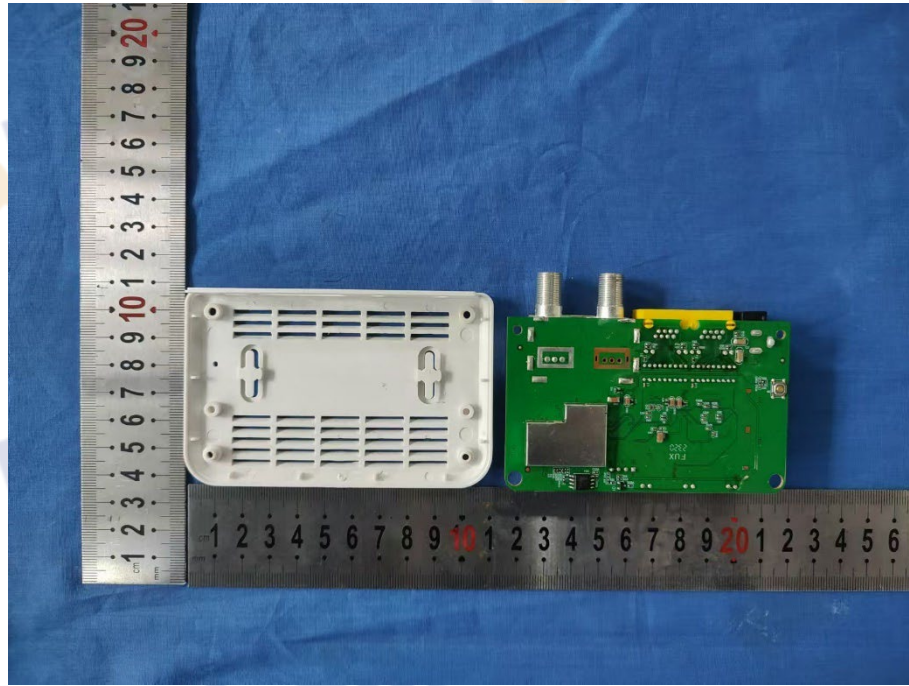




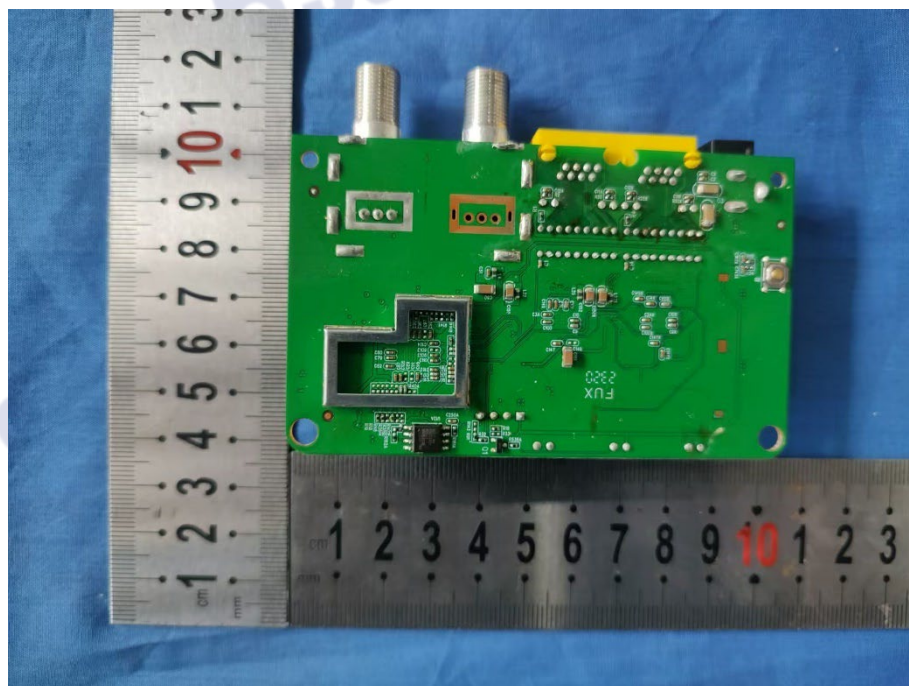
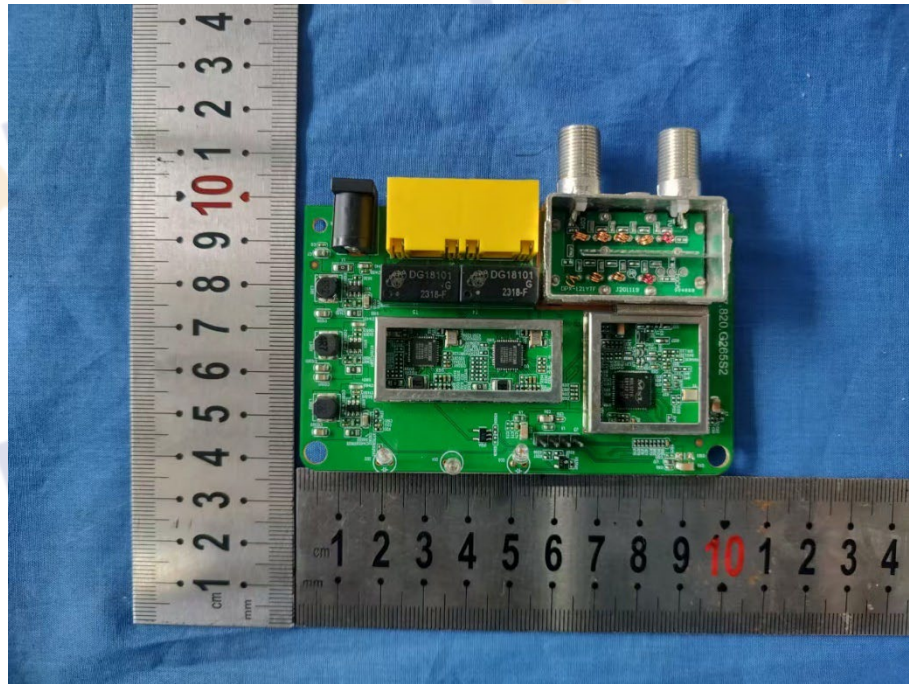


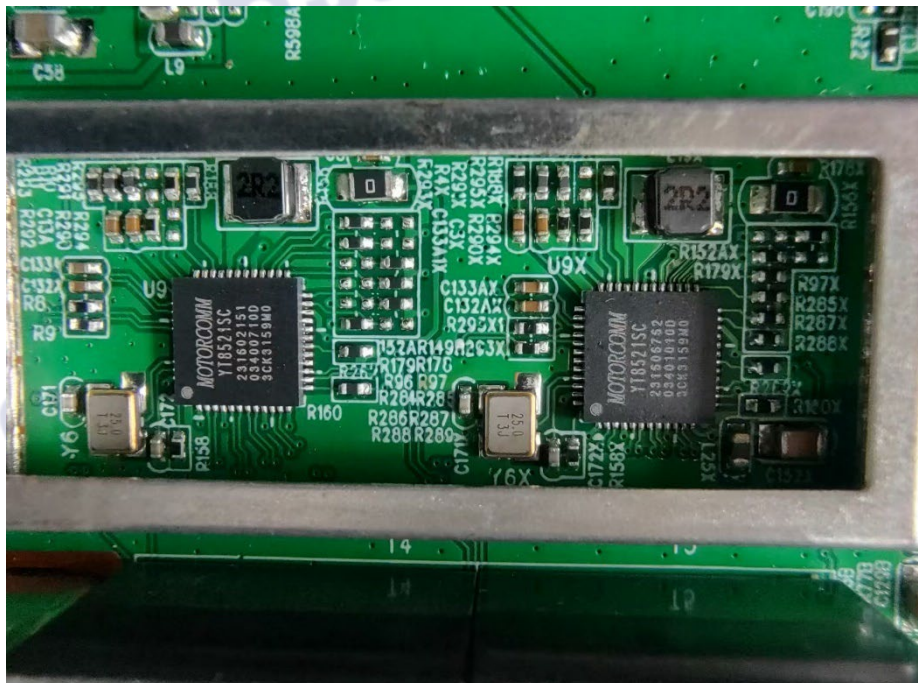
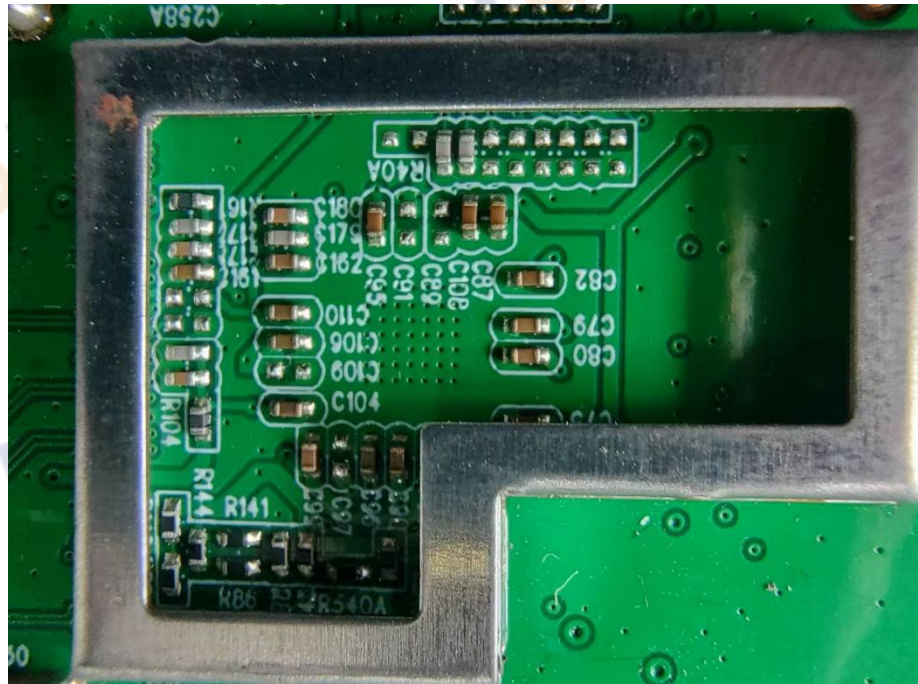




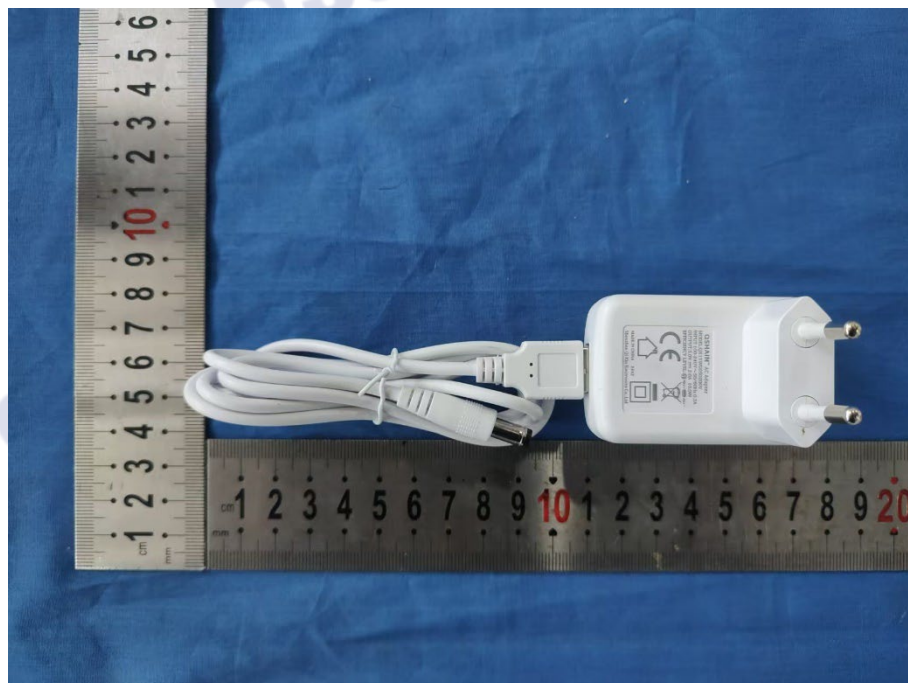
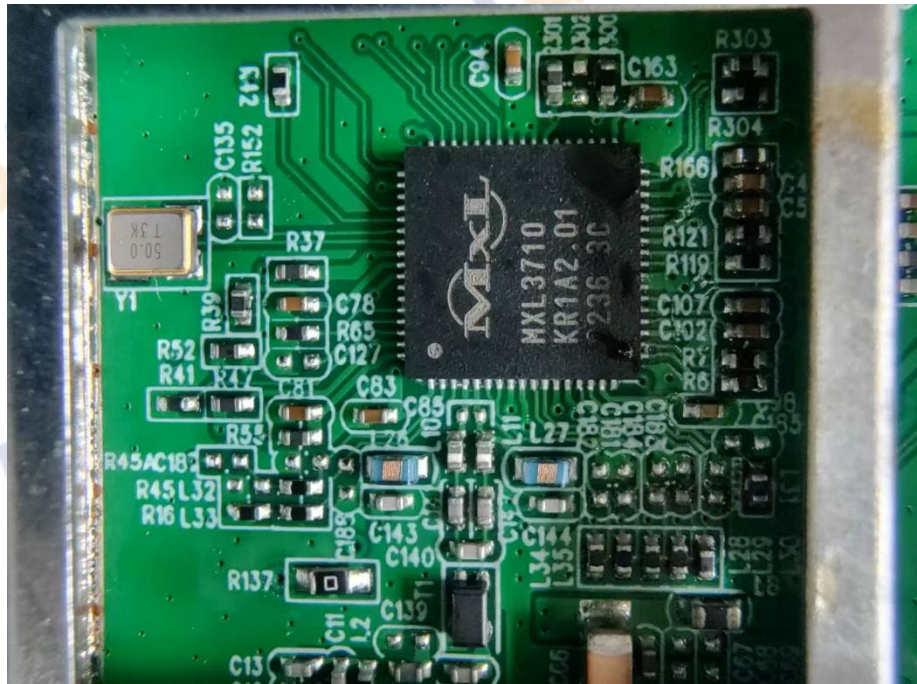


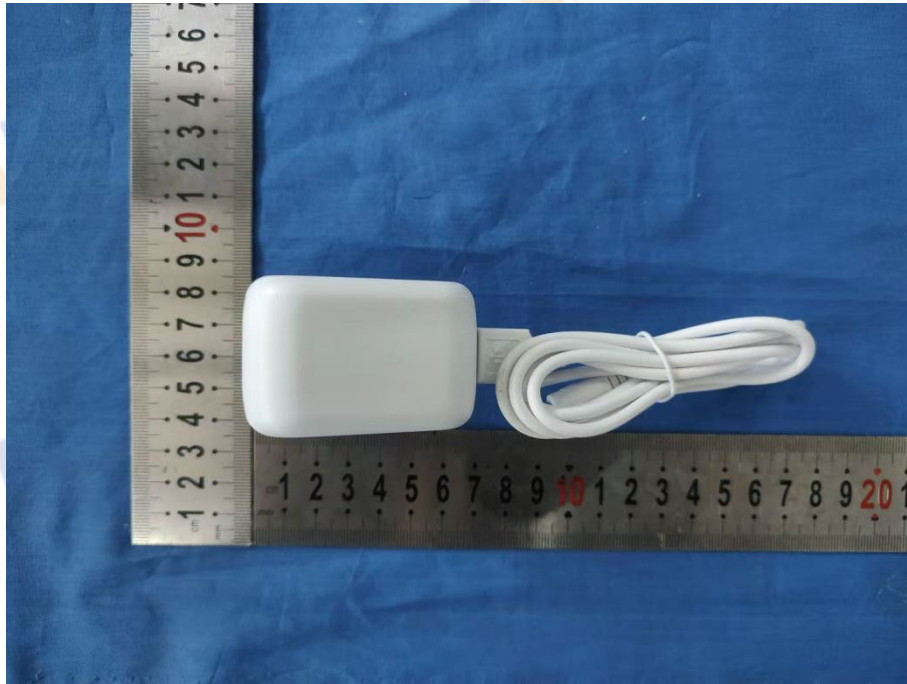




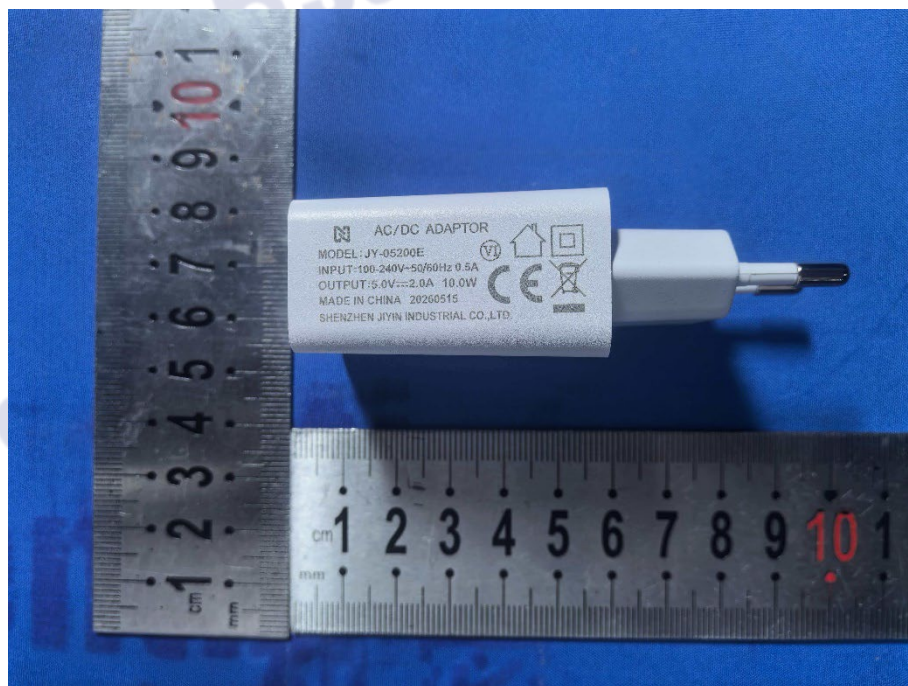
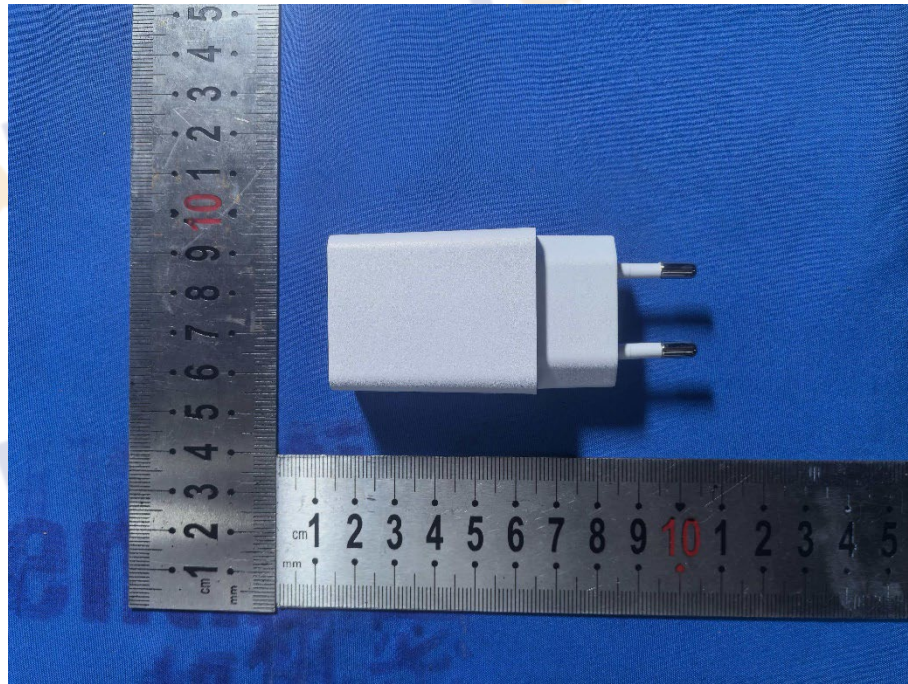












## Statement

1. The report is invalid without the inspection and testing special seal or Report Specialized Seal of the company.
2. This report is invalid if altered.
3. This report is responsible for the conformance testing of sample(s) received.
4. This report shall not be reproduced, without the written approval of test laboratory. The copy of the report not stamped again with the inspection and testing special seal is invalid.
5. Item with “\*” is not accredited by CNAS.
6. Item with “☆” was subcontracted to other laboratories.
7. The report without CMA mark indicated that either test item(s) not accredited by CMA or test item(s) accredited by CMA but the report is only used for development or quality control which purposes within the company that has no effect on social proof.
8. Any objections must be raised to our company within 15 days on receiving the report, overdue will not be accepted.
9. The sample(s) must be collected within three months, overdue will be dealt with by our company.
10. The report is invalid without the signature of editor, reviewer, approver.

Test Laboratory: LabSure Testing Services (Tianjin) Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.

Postcode: 215127

Tel: +86-0512-62531270

Fax: +86-0512-62531270

Website: [www.lab-sure.com](http://www.lab-sure.com)

**END OF REPORT**