



## FCC PART18 TEST REPORT

|                                |   |                                                                                                                                                     |
|--------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant</b>               | : | Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd                                                                                           |
| <b>Address of Applicant</b>    | : | No.6, Yong An Road, Beijiao, Shunde, Foshan, Guangdong, China                                                                                       |
| <b>Manufacturer</b>            | : | Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd                                                                                           |
| <b>Address of Manufacturer</b> | : | No.6, Yong An Road, Beijiao, Shunde, Foshan, Guangdong, China                                                                                       |
| <b>Equipment under Test</b>    | : | Microwave Oven                                                                                                                                      |
| <b>Trade Name</b>              | : | Midea, Black & Decker                                                                                                                               |
| <b>Model No.</b>               | : | EM7P01##-P02A0M, EM7P01***-P02A0M, EM7P01P7                                                                                                         |
| <b>Model Tested</b>            | : | EM7P012RJ-P02A0M                                                                                                                                    |
| <b>FCC ID</b>                  | : | VG8EM7P01XX-P                                                                                                                                       |
| <b>Test Standard(s)</b>        | : | FCC Rules and Regulations Part 18<br>FCC/OST MP-5:1986                                                                                              |
| <b>Report No.</b>              | : | DDT-RE26012825-1E01                                                                                                                                 |
| <b>Issue Date</b>              | : | 2026/03/17                                                                                                                                          |
| <b>Issued By</b>               | : | Guangdong Dongdian Testing Service Co., Ltd.<br>Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808 |

# REPORT

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## Test Report Declare

|                             |   |                                                               |
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| <b>Applicant</b>            | : | Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd     |
| <b>Address</b>              | : | No.6, Yong An Road, Beijiao, Shunde, Foshan, Guangdong, China |
| <b>Equipment under Test</b> | : | Microwave Oven                                                |
| <b>Trade Name</b>           | : | Midea, Black & Decker                                         |
| <b>Model No.</b>            | : | EM7P01##-P02A0M, EM7P01***-P02A0M, EM7P01P7                   |
| <b>Manufacturer</b>         | : | Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd     |
| <b>Address</b>              | : | No.6, Yong An Road, Beijiao, Shunde, Foshan, Guangdong, China |

**Test Standard Used:**

FCC Rules and Regulations Part 18,  
FCC/OST MP-5:1986

**We Declare:**

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

|                         |                     |                      |                        |
|-------------------------|---------------------|----------------------|------------------------|
| <b>Report No.:</b>      | DDT-RE26012825-1E01 |                      |                        |
| <b>Date of Receipt:</b> | 2026/01/29          | <b>Date of Test:</b> | 2026/01/29--2026/02/03 |

|                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Created: Sincere Luo                                                                | Reviewed: Lori Mi                                                                   | Approved: Damon Hu                                                                    |
|  |  |  |
| 2026/03/17                                                                          | 2026/03/17                                                                          | 2026/03/17                                                                            |

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

| Version | Revision Content | Issue Date | Approved |
|---------|------------------|------------|----------|
| V0      | Initial issue    | 2026/03/17 | Damon Hu |
|         |                  |            |          |

## 1. Summary of Test Results

| EMISSION (EMI)                   |                                                         |        |      |
|----------------------------------|---------------------------------------------------------|--------|------|
| Description of Test Item         | Standard                                                | Result | Memo |
| AC Power Port Conducted Emission | FCC Rules and Regulations Part 18.307(b)                | PASS   | /    |
| Radiated Emissions Test          | FCC Rules and Regulations Part 18.305(b)                | PASS   | /    |
| Operating frequency              | FCC Rules and Regulations Part 18,<br>FCC/OST MP-5:1986 | PASS   | /    |
| Radiation Hazard Test            | FCC Rules and Regulations Part 18,<br>FCC/OST MP-5:1986 | PASS   | /    |
| RF Output Power Measurement      | FCC Rules and Regulations Part 18,<br>FCC/OST MP-5:1986 | PASS   | /    |

Note 1: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.

Note 2: For the EMI measurements have made the EUT operated in a mode producing the highest emission level, and attempted to vary the configuration of the EUT radiated the highest emission.

## 2. General Test Information

### 2.1. Description of EUT

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT* Name                      | : Microwave Oven                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Trade Name                     | : Midea, Black & Decker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Model Number                   | : EM7P01##-P02A0M, EM7P01***-P02A0M, EM7P01P7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Difference of model number     | <p>Model designations as follows:<br/> E: Film type keypad; M: Microwave function;<br/> 7P01: "7" indicates the microwave output power is 700W, "P01" indicates the design No.;<br/> ## or ***: "#", "*" may be 0~9, A~Z or blank, stands for different appearance;<br/> -P: indicates painted (steel) cavity;<br/> 02A: "0" indicates basic circuit, "2" indicates basic appearance structure, "A" indicates the voltage is 120V60Hz;<br/> 0M: indicates the design No..<br/> All the above-mentioned models are identical to the model of EM7P012RJ-P02A0M except for model name, trade mark and appearance.<br/> Model of EM7P012RJ-P02A0M was selected for final testing.</p> |
| EUT Function Description       | : Please reference user manual of this device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Power Supply                   | : AC 120V/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Rated input Power (microwave)  | : 1020W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Rated output Power (microwave) | : 700W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EUT Class (Only For EMI)       | : Class B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Operation Frequency            | : 2450MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Magnetron Model                | : 2M618H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Magnetron Manufacturer         | : WITOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sample Number                  | : S26012825-001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Description of Support Units   | <p>-Load for power output measurement: 1000 milliliters of water in the beaker located in the center of the oven.<br/> -Load for frequency measurement: 1000 milliliters of water in the beaker located in the center of the oven.<br/> -Load for measurement of radiation on second and third harmonic: Two loads, one of 700 and the other of 300 milliliters, of water are used. Each load is tested both with the beaker located in the center of the oven and with it in the right front corner.<br/> -Load for all other measurements: 700 milliliters of water, with the beaker located in the center of the oven.</p>                                                     |

Note 1: EUT is the abbreviation of equipment under test.

Note 2: "☑" means to be chosen or applicable; "☐" means don't to be chosen or not applicable; This note applies to entire report.

Note 3: Equipment meeting Class A requirements may not offer adequate protection to broadcast services within a residential environment; The Class B requirements for equipment are intended to offer adequate protection to broadcast services within the residential environment. Equipment compliant with the class A requirements should have a warning notice in the user manual stating that

it could cause radio interference. For example, Warning: Operation of this equipment in a residential environment could cause radio interference.

## 2.2. Accessories of EUT

| Accessories | Manufacturer | Model number | Description |
|-------------|--------------|--------------|-------------|
| /           | /            | /            | /           |

## 2.3. Assistant equipment used for test

| Assistant equipment | Manufacturer | Model number | Description | other |
|---------------------|--------------|--------------|-------------|-------|
| /                   | /            | /            | /           | /     |

## 2.4. Block diagram EUT configuration for test

| Mode No | Mode         | Configuration diagram                                                                                                                                  |
|---------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mode 1  | Heating mode |  <pre> graph LR     EUT[EUT] --- AC_mains[AC mains]           </pre> |

## 2.5. Decision of final test mode

|                                  |                      |
|----------------------------------|----------------------|
| AC Power Port Conducted Emission | Mode 1: Heating mode |
| Radiated Emissions Test          | Mode 1: Heating mode |
| Operating frequency              | Mode 1: Heating mode |
| Radiation Hazard Test            | Mode 1: Heating mode |
| RF Output Power Measurement      | Mode 1: Heating mode |

## 2.6. Deviations of test standard

No deviation.

## 2.7. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

|                    |            |
|--------------------|------------|
| Temperature range: | 15-30°C    |
| Humidity range:    | 25-75%     |
| Pressure range:    | 86-106 kPa |

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

## 2.8. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: [ddt@dgddt.com](mailto:ddt@dgddt.com).

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

## 2.9. Measurement uncertainty

| Test Item                                                                                                                                     | Uncertainty                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conducted disturbance at mains terminals                                                                                                      | 1#: 3.72dB (9 kHz to 150 kHz), 3.34dB (150 kHz to 30 MHz)<br>2#: 3.75dB (9 kHz to 150 kHz), 3.39dB (150 kHz to 30 MHz)<br>3#: 3.78dB (9 kHz to 150 kHz), 3.37dB (150 kHz to 30 MHz)                                                                                                   |
| Uncertainty for Antenna Power Conduction Measurement for Antenna port of Receivers                                                            | 1#: AAN with aLCL = 55 ... 40 dBc: 3.64 dB<br>AAN with aLCL = 65 ... 50 dBc: 4.08 dB<br>AAN with aLCL = 75 ... 60 dBc: 4.56 dB<br>2#: AAN with aLCL = 55 ... 40 dBc: 3.82 dB<br>AAN with aLCL = 65 ... 50 dBc: 3.96 dB<br>AAN with aLCL = 75 ... 60 dBc: 4.12 dB                      |
| Uncertainty for Radiation Emission test (30MHz-1GHz)                                                                                          | 1#: 4.94 dB (Antenna Polarize: V)<br>4.68 dB (Antenna Polarize: H)<br>2#: 4.94 dB (Antenna Polarize: V)<br>4.68 dB (Antenna Polarize: H)<br>3#: 4.96 dB (Antenna Polarize: V)<br>4.98 dB (Antenna Polarize: H)<br>10m: 4.48 dB (Antenna Polarize: V)<br>4.64 dB (Antenna Polarize: H) |
| Uncertainty for Radiation disturbance test (1GHz to 6GHz)                                                                                     | 1#: 4.10 dB (1-6 GHz)<br>3#: 4.54 dB (1-6 GHz)                                                                                                                                                                                                                                        |
| Uncertainty for Radiation disturbance test (6GHz to 18GHz)                                                                                    | 1#: 4.40 dB (6-18 GHz)<br>3#: 4.80 dB (6-18 GHz)                                                                                                                                                                                                                                      |
| Uncertainty for Radiation disturbance test (18GHz to 40GHz)                                                                                   | 1#: 4.58 dB (18-40 GHz)<br>3#: 4.58 dB (18-40 GHz)                                                                                                                                                                                                                                    |
| Temperature                                                                                                                                   | 0.4 °C                                                                                                                                                                                                                                                                                |
| Humidity                                                                                                                                      | 2%                                                                                                                                                                                                                                                                                    |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                                                                                                                                                                                                                                                                                       |

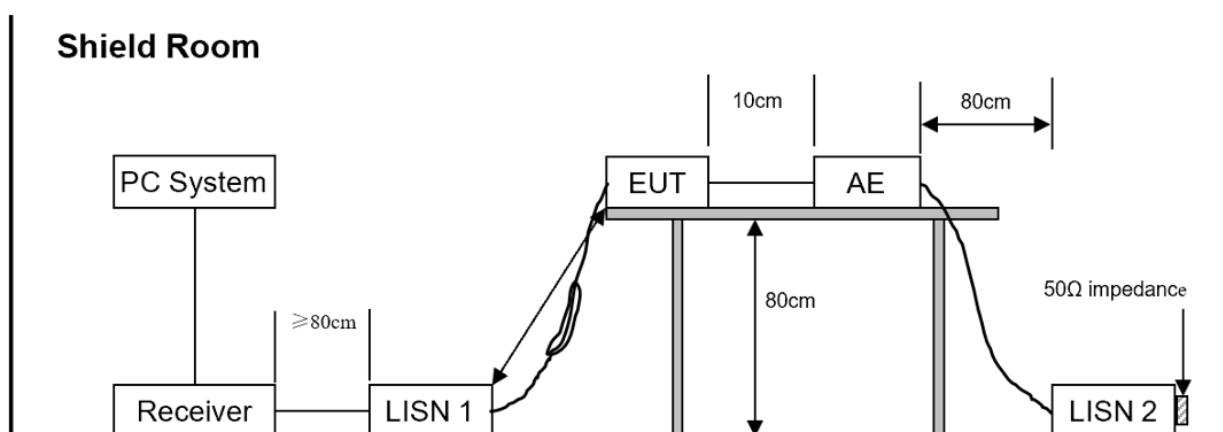
### 3. AC Power Port Conducted Emission

#### 3.1. Test equipment

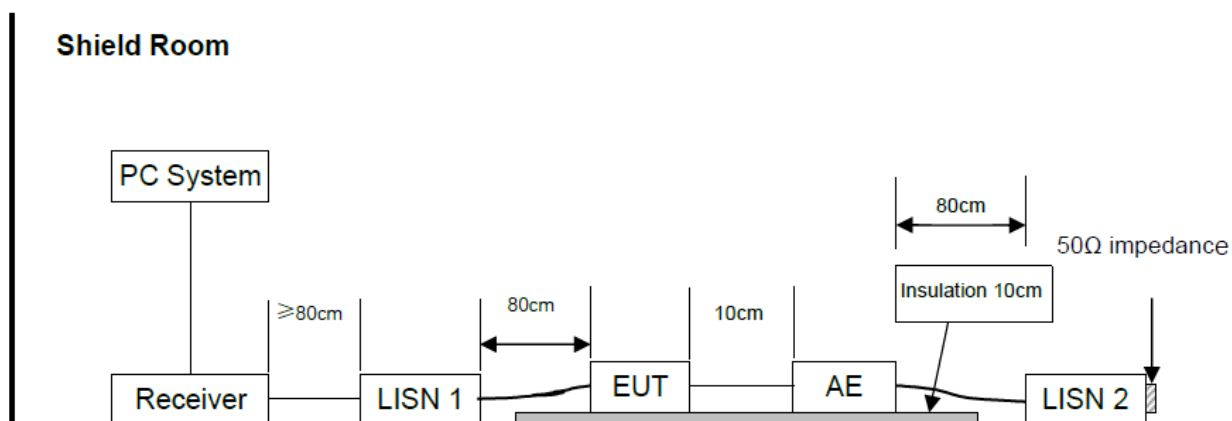
| Equipment                            | Manufacturer  | Model No. | Equipment No. | Cal Due To |
|--------------------------------------|---------------|-----------|---------------|------------|
| EMI Test Receiver                    | R&S           | ESCI      | DDT-ZC00235   | 2026/07/06 |
| Two Line V-Network                   | R&S           | ENV216    | DDT-ZC00535   | 2026/07/06 |
| Pulse Limiter                        | SCHWARZBECK   | ESH3-Z2   | DDT-ZC00539   | 2026/07/06 |
| CE Cable 1                           | R&S           | ESU8/RF2  | DDT-ZC00566   | 2026/07/06 |
| Conducted Radiated Software          | Audix         | e3        | DDT-ZC00562   | /          |
| Two-line V-shaped artificial network | ROHDE&SCHWARZ | ENV216    | DDT-ZC05693   | 2026/11/04 |

#### 3.2. Block diagram of test setup

For table-top equipment



For floor standing equipment



[illegible]

| Class A         |                         |                      |
|-----------------|-------------------------|----------------------|
| Frequency       | Quasi-Peak Level dB(μV) | Average Level dB(μV) |
| 150 kHz~500 kHz | 79                      | 66                   |
| 500 kHz~30 MHz  | 73                      | 60                   |
| Class B         |                         |                      |
| Frequency       | Quasi-Peak Level dB(μV) | Average Level dB(μV) |
| 150 kHz~500 kHz | 66 ~ 56*                | 56 ~ 46*             |
| 500 kHz~5 MHz   | 56                      | 46                   |
| 5 MHz~30 MHz    | 60                      | 50                   |

Notes:

- \* Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.

### 3.4. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 0.8m (table-top device)/0.1m (floor stand device) above the ground plane.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

### 3.5. Test result

#### **PASS. (See below detailed test result)**

Note 1: All emissions not reported below are too low against the prescribed limits.

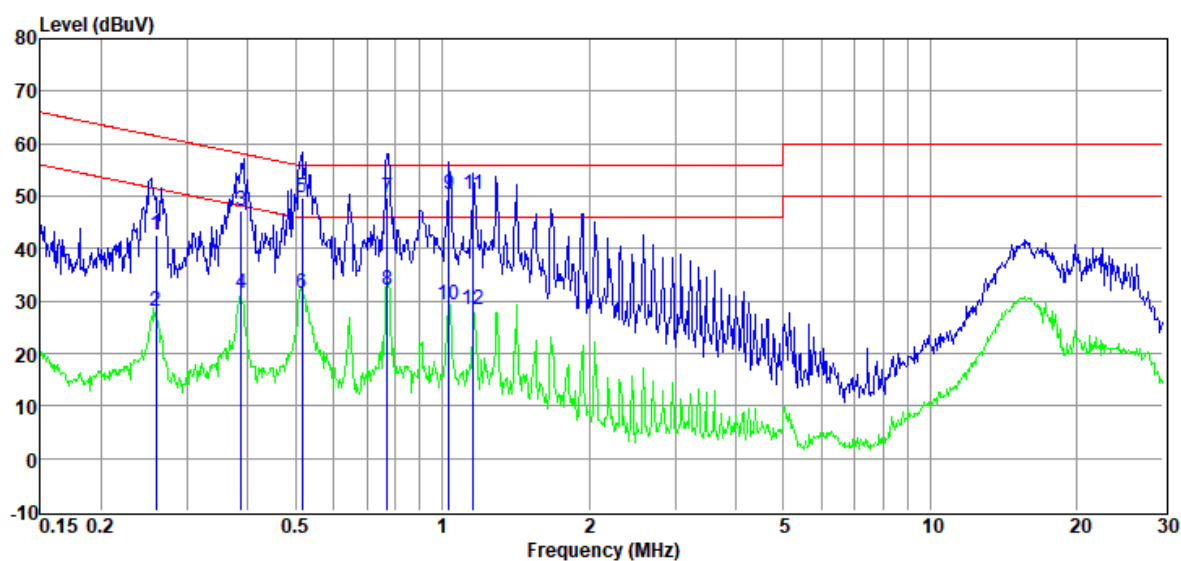
Note 2: “----” means Peak detection; “----” means Average detection.

## 3.6. Test data

## TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2026 CE Report Data\Q26012825-1E\0131 CE.EM6  
Test Date : 2026-01-31 Tested By : Li guilin  
Power Supply : AC 120V/60Hz Test Mode : Heating mode  
Condition : TEMP:23.0°C, RH:52.3% LISN : 2025 1# 216/NEUTRAL  
Memo : S26012825-001

Data: 2



| Item   | Freq. | Read Level | LISN Factor | Cable Loss | Pulse Limiter Factor | Result Level | Limit Line | Margin | Detector | Phase   |
|--------|-------|------------|-------------|------------|----------------------|--------------|------------|--------|----------|---------|
| (Mark) | (MHz) | (dBμV)     | (dB)        | (dB)       | (dB)                 | (dBμV)       | (dBμV)     | (dB)   |          |         |
| 1      | 0.26  | 22.68      | 9.80        | 0.06       | 9.89                 | 42.43        | 61.47      | 19.04  | QP       | NEUTRAL |
| 2      | 0.26  | 8.18       | 9.80        | 0.06       | 9.89                 | 27.93        | 51.47      | 23.54  | Average  | NEUTRAL |
| 3      | 0.39  | 27.33      | 9.83        | 0.07       | 9.89                 | 47.12        | 58.12      | 11.00  | QP       | NEUTRAL |
| 4      | 0.39  | 11.61      | 9.83        | 0.07       | 9.89                 | 31.40        | 48.12      | 16.72  | Average  | NEUTRAL |
| 5      | 0.52  | 29.77      | 9.90        | 0.09       | 9.89                 | 49.65        | 56.00      | 6.35   | QP       | NEUTRAL |
| 6      | 0.52  | 11.66      | 9.90        | 0.09       | 9.89                 | 31.54        | 46.00      | 14.46  | Average  | NEUTRAL |
| 7      | 0.77  | 29.81      | 9.84        | 0.13       | 9.90                 | 49.68        | 56.00      | 6.32   | QP       | NEUTRAL |
| 8      | 0.77  | 12.10      | 9.84        | 0.13       | 9.90                 | 31.97        | 46.00      | 14.03  | Average  | NEUTRAL |
| 9      | 1.03  | 30.20      | 9.93        | 0.15       | 9.90                 | 50.18        | 56.00      | 5.82   | QP       | NEUTRAL |
| 10     | 1.03  | 9.28       | 9.93        | 0.15       | 9.90                 | 29.26        | 46.00      | 16.74  | Average  | NEUTRAL |
| 11     | 1.16  | 30.27      | 9.90        | 0.15       | 9.90                 | 50.22        | 56.00      | 5.78   | QP       | NEUTRAL |
| 12     | 1.16  | 8.55       | 9.90        | 0.15       | 9.90                 | 28.50        | 46.00      | 17.50  | Average  | NEUTRAL |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

## TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room

D:\2026 CE Report Data\Q26012825-1E\0131 CE.EM6

Test Date : 2026-01-31

Tested By : Li guilin

Power Supply : AC 120V/60Hz

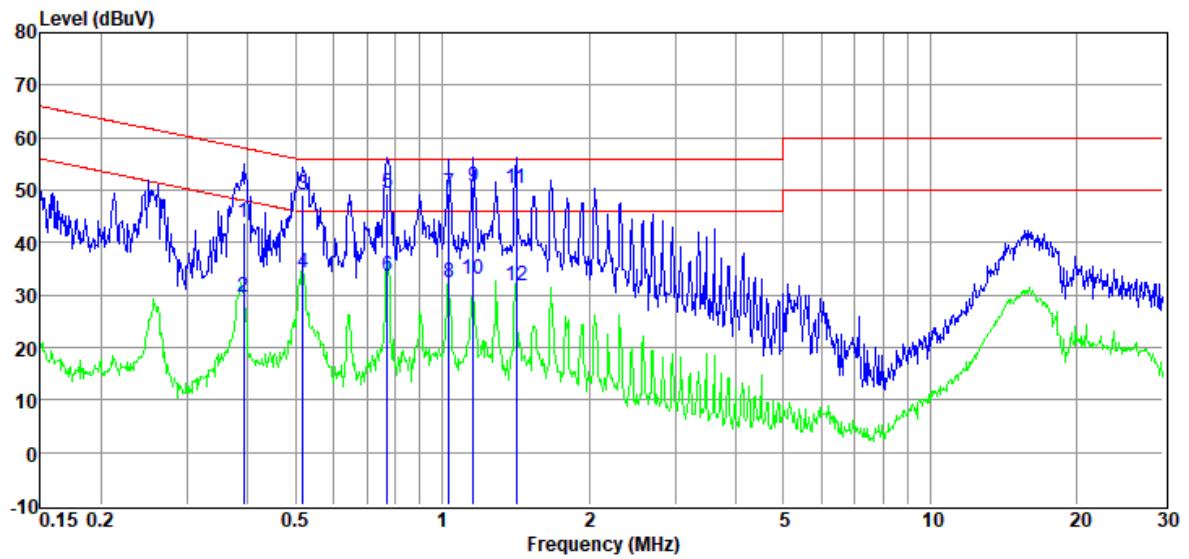
Test Mode : Heating mode

Condition : TEMP:23.0°C, RH:52.3%

LISN : 2025 1# 216/LINE

Memo : S26012825-001

Data: 4



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Limiter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV) | Limit<br>Line<br>(dBμV) | Margin<br>(dB) | Detector | Phase |
|----------------|----------------|-------------------------|------------------------|-----------------------|------------------------------------|---------------------------|-------------------------|----------------|----------|-------|
| 1              | 0.39           | 24.12                   | 9.69                   | 0.08                  | 9.89                               | 43.78                     | 58.03                   | 14.25          | QP       | LINE  |
| 2              | 0.39           | 9.94                    | 9.69                   | 0.08                  | 9.89                               | 29.60                     | 48.03                   | 18.43          | Average  | LINE  |
| 3              | 0.52           | 29.36                   | 9.80                   | 0.09                  | 9.89                               | 49.14                     | 56.00                   | 6.86           | QP       | LINE  |
| 4              | 0.52           | 14.52                   | 9.80                   | 0.09                  | 9.89                               | 34.30                     | 46.00                   | 11.70          | Average  | LINE  |
| 5              | 0.77           | 29.55                   | 9.78                   | 0.13                  | 9.90                               | 49.36                     | 56.00                   | 6.64           | QP       | LINE  |
| 6              | 0.77           | 13.79                   | 9.78                   | 0.13                  | 9.90                               | 33.60                     | 46.00                   | 12.40          | Average  | LINE  |
| 7              | 1.03           | 29.42                   | 9.96                   | 0.15                  | 9.90                               | 49.43                     | 56.00                   | 6.57           | QP       | LINE  |
| 8              | 1.03           | 12.34                   | 9.96                   | 0.15                  | 9.90                               | 32.35                     | 46.00                   | 13.65          | Average  | LINE  |
| 9              | 1.16           | 30.69                   | 9.93                   | 0.15                  | 9.90                               | 50.67                     | 56.00                   | 5.33           | QP       | LINE  |
| 10             | 1.16           | 12.92                   | 9.93                   | 0.15                  | 9.90                               | 32.90                     | 46.00                   | 13.10          | Average  | LINE  |
| 11             | 1.42           | 30.33                   | 9.88                   | 0.16                  | 9.89                               | 50.26                     | 56.00                   | 5.74           | QP       | LINE  |
| 12             | 1.42           | 11.70                   | 9.88                   | 0.16                  | 9.89                               | 31.63                     | 46.00                   | 14.37          | Average  | LINE  |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

### 3.7. Test photo



/



/

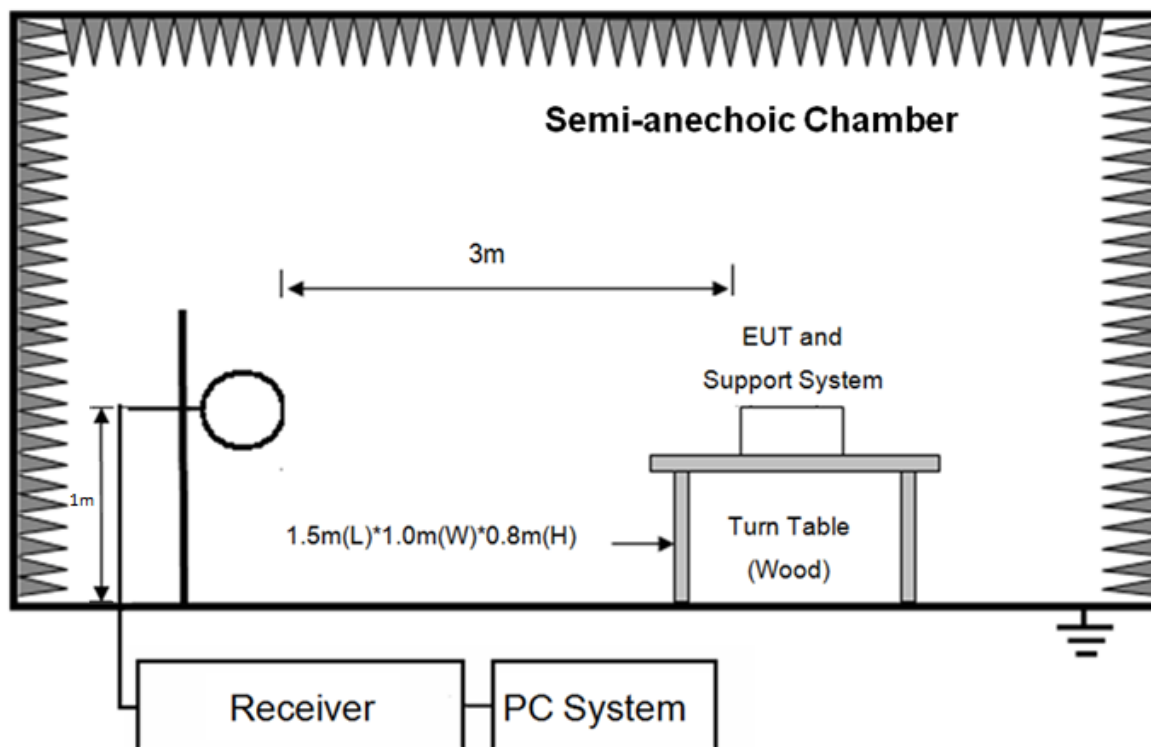
## 4. Radiated Emissions Test

### 4.1. Test equipment

| Equipment                    | Manufacturer      | Model No.        | Equipment No. | Cal Due To |
|------------------------------|-------------------|------------------|---------------|------------|
| Trilog Broadband Antenna     | Schwarzbeck       | VULB 9163        | DDT-ZC00522   | 2026/07/22 |
| RE Cable below 1GHz for 1#RE | R&S               | ESU8/RF1         | DDT-ZC00567   | 2026/07/06 |
| Active Loop Antenna          | Schwarzbeck       | FMZB1519         | DDT-ZC00524   | 2026/08/18 |
| EMI Test Receiver            | R&S               | ESCI             | DDT-ZC01297   | 2026/07/06 |
| Spectrum Analyzer            | Agilent           | E4440A           | DDT-ZC01445   | 2026/03/28 |
| Broad-Band Horn Antenna      | Schwarzbeck       | BBHA 9170        | DDT-ZC00506   | 2026/04/01 |
| Horn Antenna                 | SCHWARZBECK       | BBHA9120 D       | DDT-ZC01218   | 2026/08/13 |
| Preamplifier                 | COM-POWER         | PAM-118A         | DDT-ZC01489   | 2026/08/10 |
| Pre-amplifier                | COM-POWER         | PAM-840A         | DDT-ZC01693   | 2026/03/28 |
| EMI Test Software            | Audix/TW          | e3               | DDT-ZC01252   | /          |
| RF cable                     | Zhongke Junchuang | JCTB810-NJ-NJ-7M | DDT-ZC02759   | 2026/07/22 |

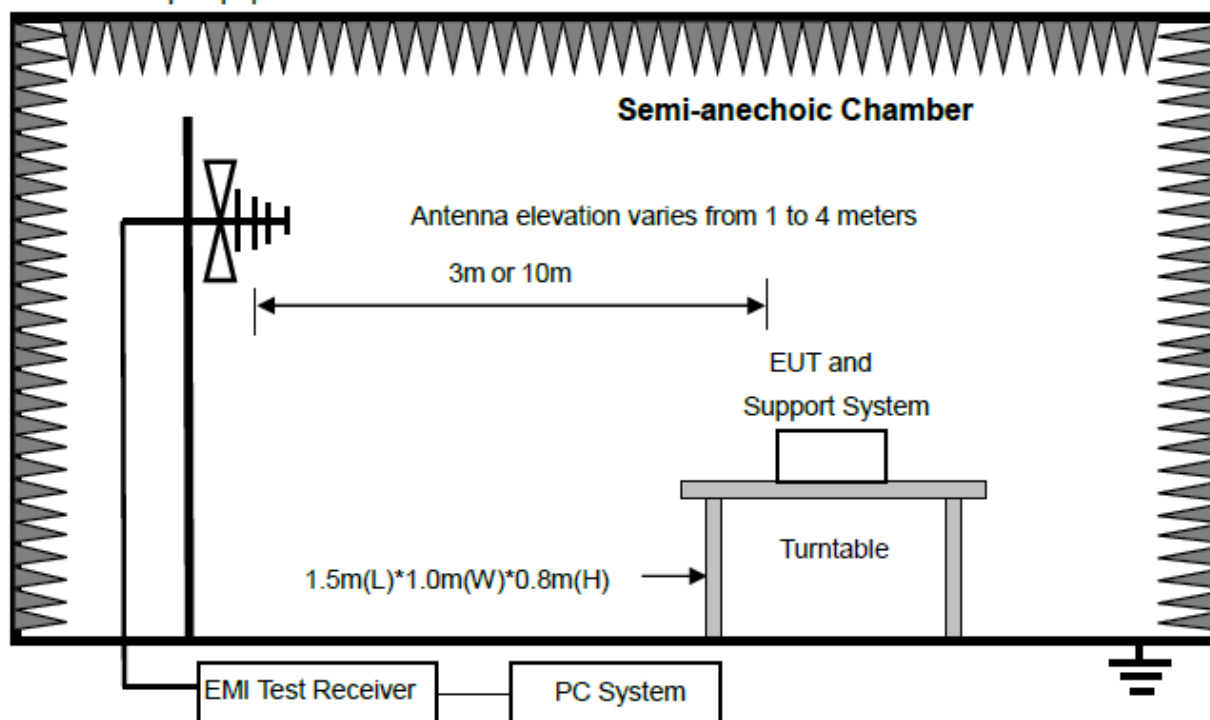
#### 4.2. Block diagram of test setup

In 3 m Anechoic Chamber Test Setup Diagram for 9 kHz ~ 30 MHz

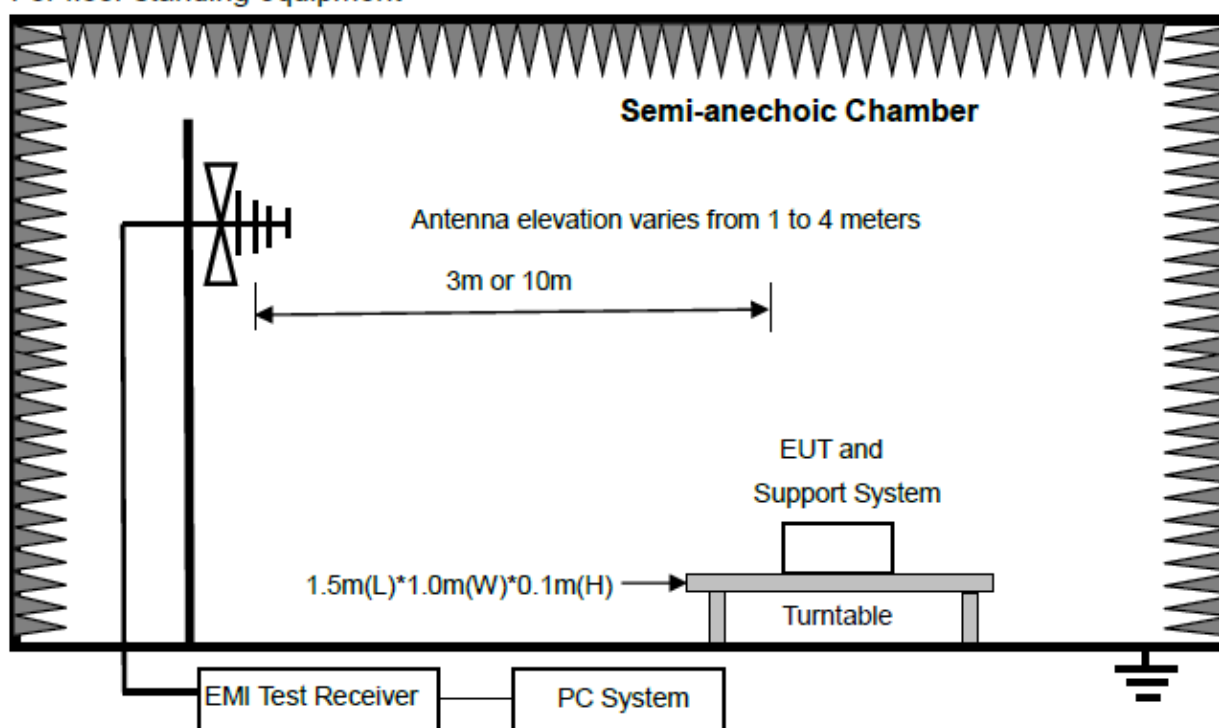


Below 1 GHz

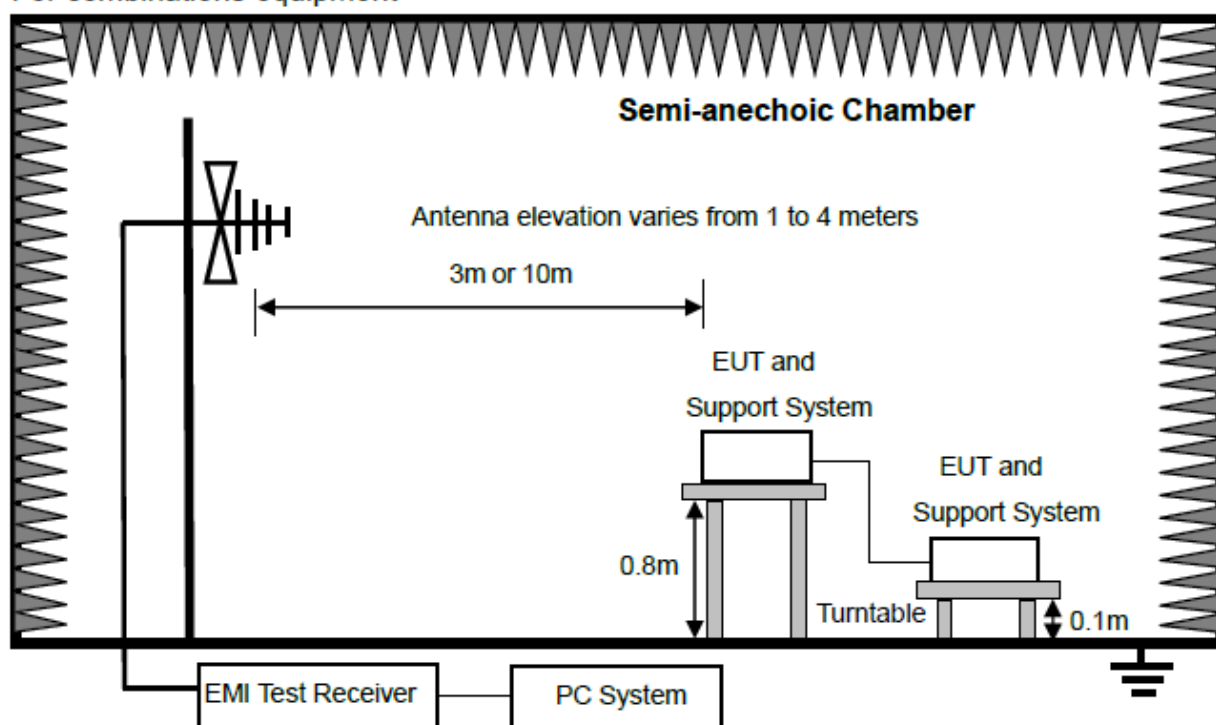
For table-top equipment



For floor standing equipment

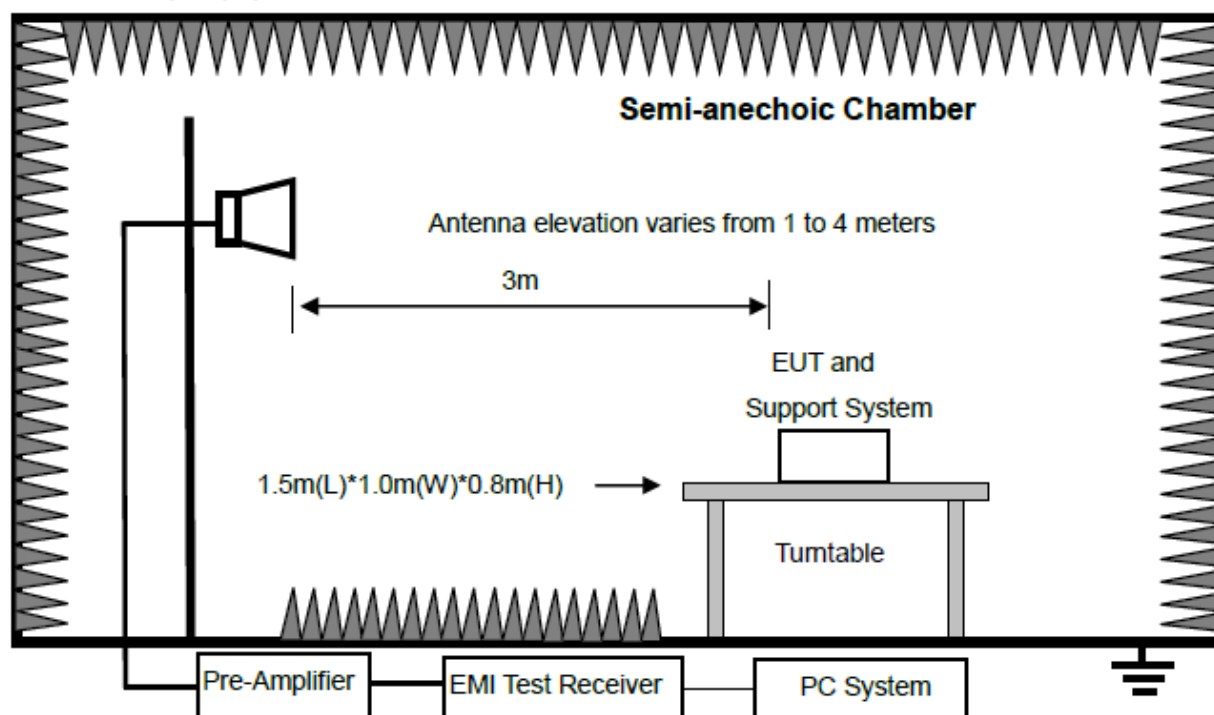


For combinations equipment

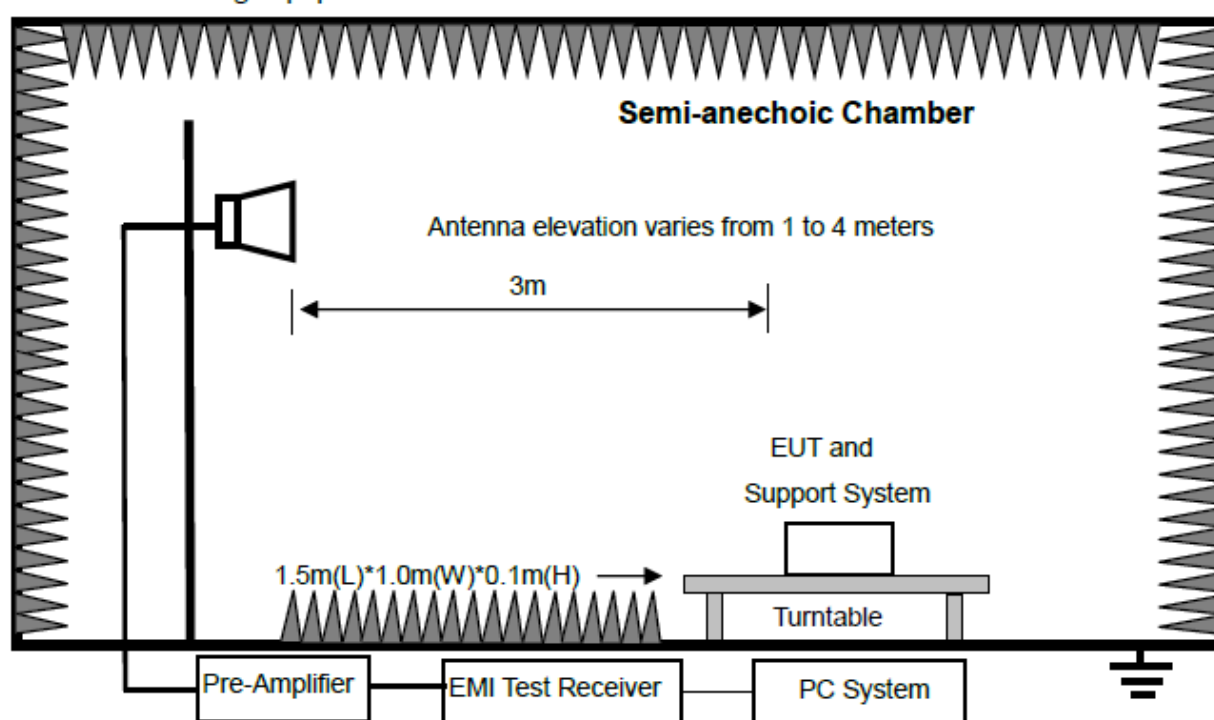


Above 1 GHz

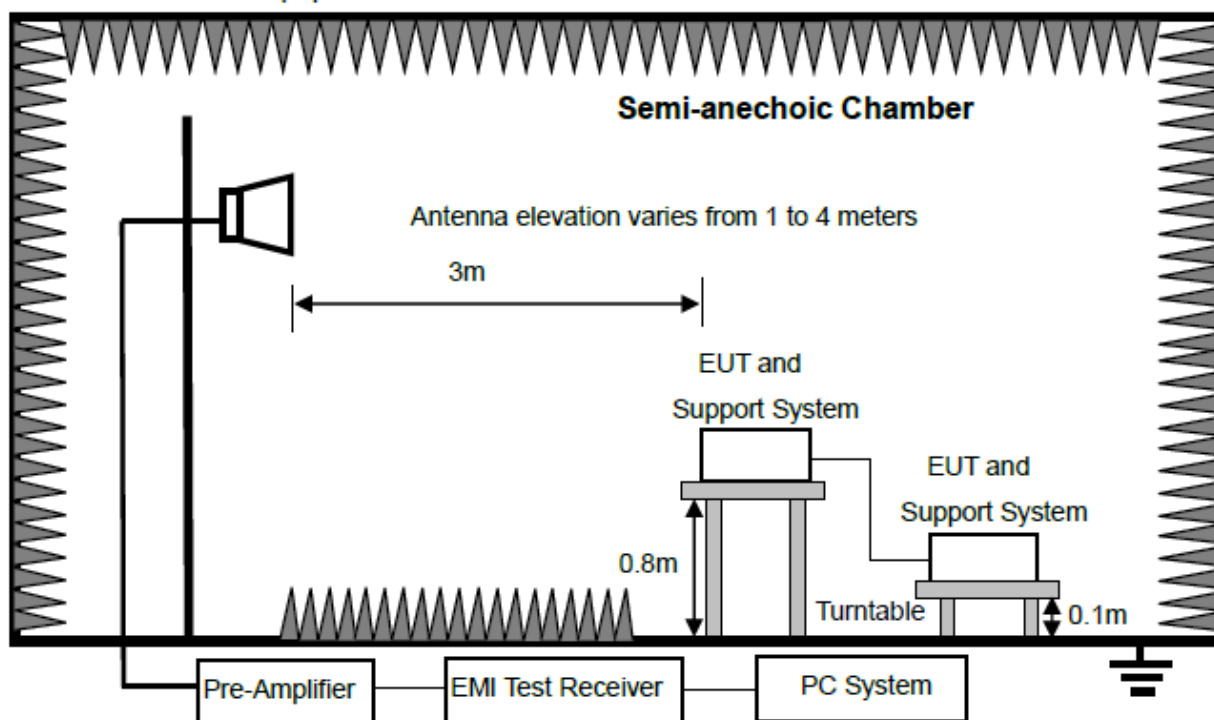
For table-top equipment



For floor standing equipment



For combinations equipment



### 4.3. Limits

For FCC Rules and Regulations Part 15 Subpart B limits:

| Frequency (MHz) | Class A Field Strengths Limits at 10m measuring distance dB( $\mu$ V)/m | Class A Field Strengths Limits at 3m measuring distance dB( $\mu$ V)/m | Class B Field Strengths Limits at 10m measuring distance dB( $\mu$ V)/m | Class B Field Strengths Limits at 3m measuring distance dB( $\mu$ V)/m |
|-----------------|-------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------|
| 30--88          | 39.0                                                                    | 49.5                                                                   | 29.5                                                                    | 40.0                                                                   |
| 88--216         | 43.5                                                                    | 54.0                                                                   | 33.0                                                                    | 43.5                                                                   |
| 216--960        | 46.4                                                                    | 57.0                                                                   | 35.5                                                                    | 46.0                                                                   |
| 960--1000       | 49.5                                                                    | 60.0                                                                   | 43.5                                                                    | 54.0                                                                   |
| Above 1000      | /                                                                       | 80.0 Peak),<br>60.0 (Average)                                          | /                                                                       | 74.0 (Peak),<br>54.0 (Average)                                         |

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

Note: (2) Test receiver use the Quasi-peak detector for testing in below 1GHz.

For FCC Rules and Regulations Part 18 limits:

(a) ISM equipment operation on a frequency specified in §18.301 is permitted unlimited radiated energy in the band specified for that frequency.

(b) The field strength levels of emissions which lie outside the bands specified in §18.301, unless otherwise indicated, shall not exceed the following:

| RF Power generated by equipment(watts) | Field strength limit( $\mu$ V/m) @300m    |
|----------------------------------------|-------------------------------------------|
| Below 500                              | 25                                        |
| On or Above 500                        | $25 \times \text{SQRT}(\text{power}/500)$ |

Power=617.78W

Limit  $20\lg(25 \times \text{SQRT}(\text{power}/500)) + 20\lg(300/3)$  @ 3m distance.

#### 4.4. Test procedure

##### Procedure of Preliminary Test

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 0.8m (table-top device)/0.1m (floor stand device) above the ground plane.

Configuration EUT to simulate typical usage as described in as shown above block diagram and equipment list of this report.

All I/O cables were positioned to simulate typical actual usage as per FCC/OET MP-5.

Mains cables, telephone lines or other connections to auxiliary equipment located outside the test are shall drape to the floor, be fitted with ferrite clamps or ferrite tubes placed on the floor at the point where the cable reaches the floor and then routed to the place where they leave the turntable. No extension cords shall be used to mains receptacle.

The antenna was placed at 3 meter away from the EUT as stated in FCC/OET MP-5. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.

The Analyzer / Receiver quickly scanned from 30 MHz to ☐1 GHz/☒18 GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

After the preliminary scan, we found the test mode producing the highest emission level. The EUT and cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for the final test.

##### Procedure of Final Test

EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.

The Analyzer / Receiver scanned from 30 MHz to ☐1 GHz/☒18 GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

Recorded at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. reading is presented.

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

For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz VBW is set at 3 MHz.

The test data of the worst-case condition(s) was recorded.

#### 4.5. Test result

##### PASS. (See below detailed test result)

Note 1: All emissions not reported below are too low against the prescribed limits.

Note 2: "----" means Peak detection.

4.6. Test data

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 1#

Test Date : 2026-01-30

Power Supply : AC 120V/60Hz

Condition : Temp:23.6°C,Humi:50.2%

Memo : S26012825-001

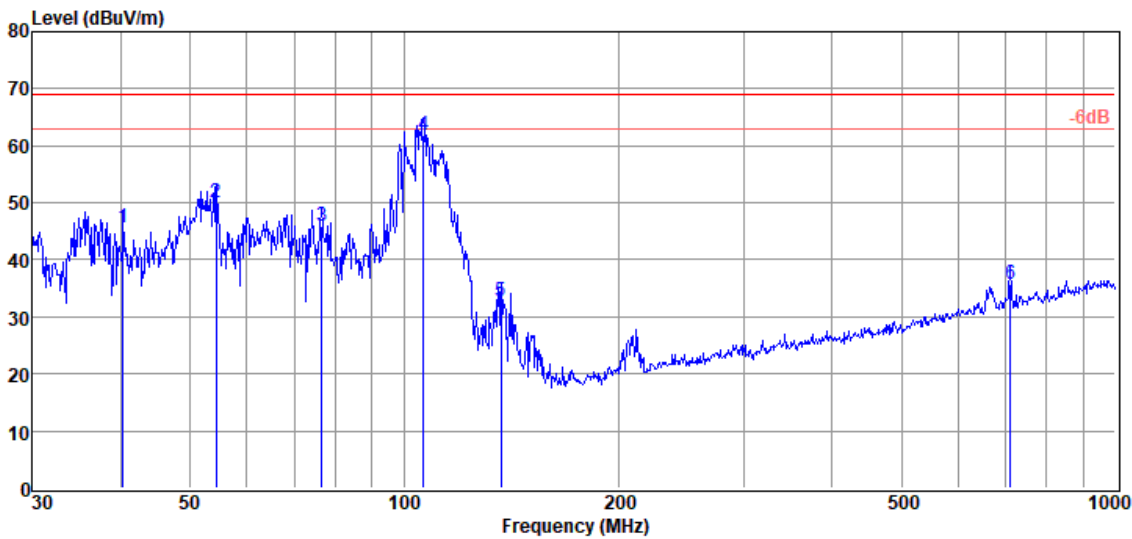
D:\2026 RE 1# Report data\Q26012825-1E\0130 RE.EM6

Tested By : Jackey Mao

Test Mode : Heating mode

Antenna/Distance : 2025 9163 1#/3m/VERTICAL

Data: 1



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Margin<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|----------------|----------|--------------|
| 1              | 40.28          | 28.81                   | 13.20                       | 3.66                | 45.67                       | 68.88                     | 23.21          | QP       | VERTICAL     |
| 2              | 54.45          | 32.99                   | 13.20                       | 3.80                | 49.99                       | 68.88                     | 18.89          | QP       | VERTICAL     |
| 3              | 76.51          | 33.28                   | 8.61                        | 3.97                | 45.86                       | 68.88                     | 23.02          | QP       | VERTICAL     |
| 4              | 106.39         | 45.95                   | 11.62                       | 4.20                | 61.77                       | 68.88                     | 7.11           | QP       | VERTICAL     |
| 5              | 136.94         | 19.79                   | 8.59                        | 4.42                | 32.80                       | 68.88                     | 36.08          | QP       | VERTICAL     |
| 6              | 711.67         | 9.75                    | 19.43                       | 6.69                | 35.87                       | 68.88                     | 33.01          | QP       | VERTICAL     |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.  
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.  
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 1#

Test Date : 2026-01-30

Power Supply : AC 120V/60Hz

Condition : Temp:23.6°C,Humi:50.2%

Memo : S26012825-001

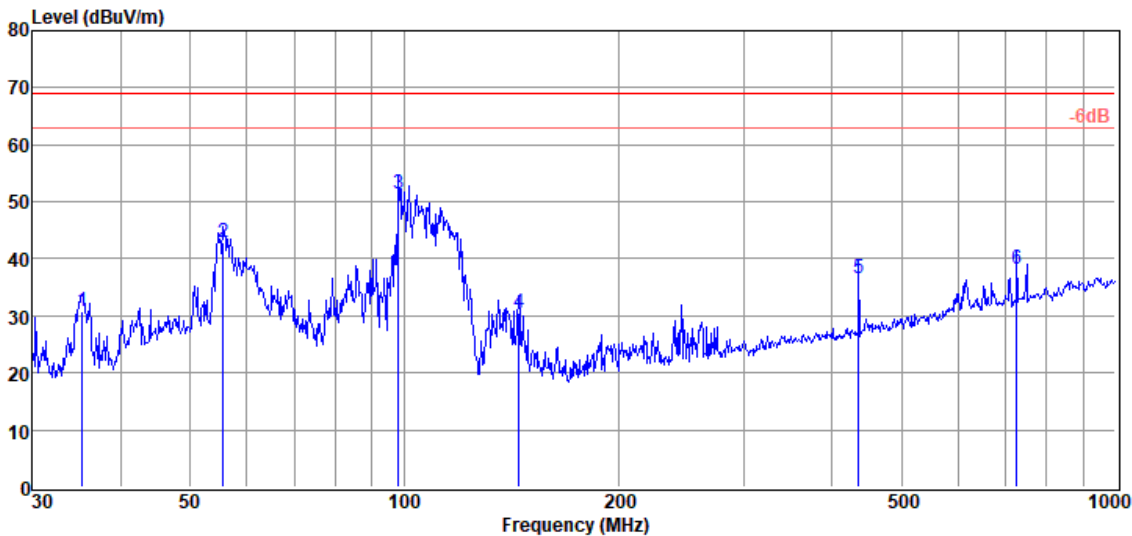
D:\2026 RE 1# Report data\Q26012825-1E\0130 RE.EM6

Tested By : Jackey Mao

Test Mode : Heating mode

Antenna/Distance : 2025 9163 1#/3m/HORIZONTAL

Data: 2



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Margin<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|----------------|----------|--------------|
| 1              | 35.25          | 15.62                   | 11.58                       | 3.62                | 30.82                       | 68.88                     | 38.06          | QP       | HORIZONTAL   |
| 2              | 55.61          | 25.74                   | 13.20                       | 3.81                | 42.75                       | 68.88                     | 26.13          | QP       | HORIZONTAL   |
| 3              | 98.14          | 35.83                   | 11.36                       | 4.14                | 51.33                       | 68.88                     | 17.55          | QP       | HORIZONTAL   |
| 4              | 144.84         | 17.21                   | 8.83                        | 4.47                | 30.51                       | 68.88                     | 38.37          | QP       | HORIZONTAL   |
| 5              | 435.59         | 14.64                   | 16.02                       | 5.81                | 36.47                       | 68.88                     | 32.41          | QP       | HORIZONTAL   |
| 6              | 726.81         | 11.87                   | 19.66                       | 6.73                | 38.26                       | 68.88                     | 30.62          | QP       | HORIZONTAL   |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.  
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.  
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Radiated Emission test (Above 1GHz)  
TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 1#

Test Date : 2026-01-31

Power Supply : AC 120V/60Hz

Condition : Temp:23.6°C,Humi:50.2%

Memo : S26012825-001

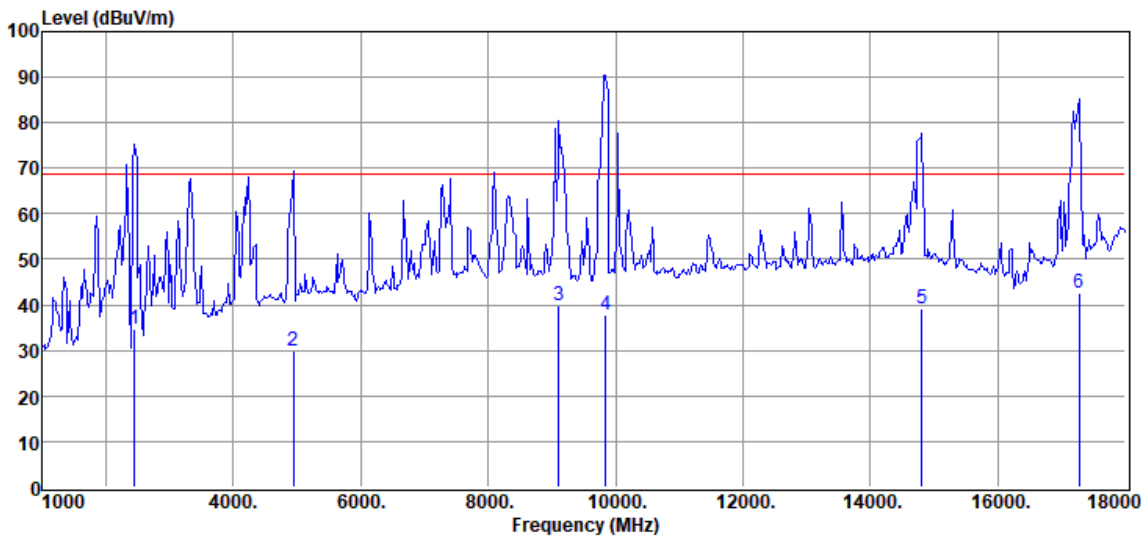
D:\2026 RE 1# Report data\Q26012825-1E\0130 RE-H.EM6

Tested By : Jackey Mao

Test Mode : Heating mode

Antenna/Distance : 2025 9120D 1#/3m/  
VERTICAL

Data: 1



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>dB | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Margin<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|---------------------|-----------------------------|---------------------------|----------------|----------|--------------|
| 1              | 2445.00        | 54.89                   | 27.78                       | 53.06               | 5.17                | 34.78                       | 68.88                     | 34.10          | Average  | VERTICAL     |
| 2              | 4944.00        | 45.06                   | 31.12                       | 53.22               | 6.97                | 29.93                       | 68.88                     | 38.95          | Average  | VERTICAL     |
| 3              | 9109.00        | 45.66                   | 38.08                       | 52.60               | 8.83                | 39.97                       | 68.88                     | 28.91          | Average  | VERTICAL     |
| 4              | 9840.00        | 43.22                   | 38.20                       | 52.60               | 8.91                | 37.73                       | 68.88                     | 31.15          | Average  | VERTICAL     |
| 5              | 14804.00       | 39.91                   | 41.09                       | 53.03               | 11.25               | 39.22                       | 68.88                     | 29.66          | Average  | VERTICAL     |
| 6              | 17269.00       | 39.74                   | 41.91                       | 52.06               | 13.18               | 42.77                       | 68.88                     | 26.11          | Average  | VERTICAL     |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. According to standard requirements, the radio carrier and harmonic frequencies of the samples are not included in the test results.

TR-4-E-009 Radiated Emission Test Result

Test Site

: DDT 3m Chamber 1#

Test Date

: 2026-01-31

Power Supply

: AC 120V/60Hz

Condition

: Temp:23.6°C,Humi:50.2%

Memo

: S26012825-001

D:\2026 RE 1# Report data\Q26012825-1E\0130 RE-H.EM6

Tested By

: Jackey Mao

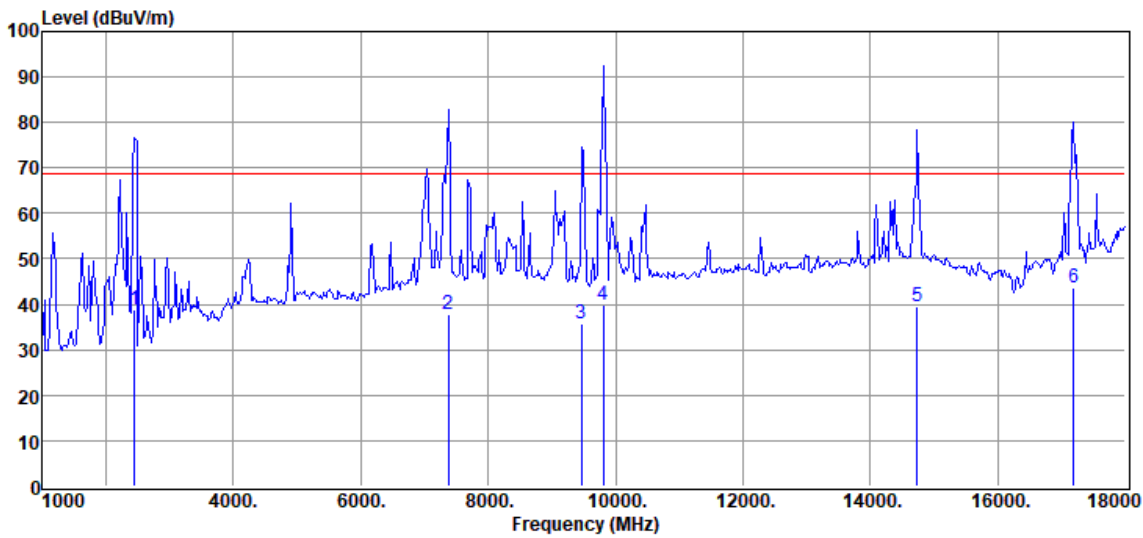
Test Mode

: Heating mode

Antenna/Distance

: 2025 9120D 1#/3m/  
HORIZONTAL

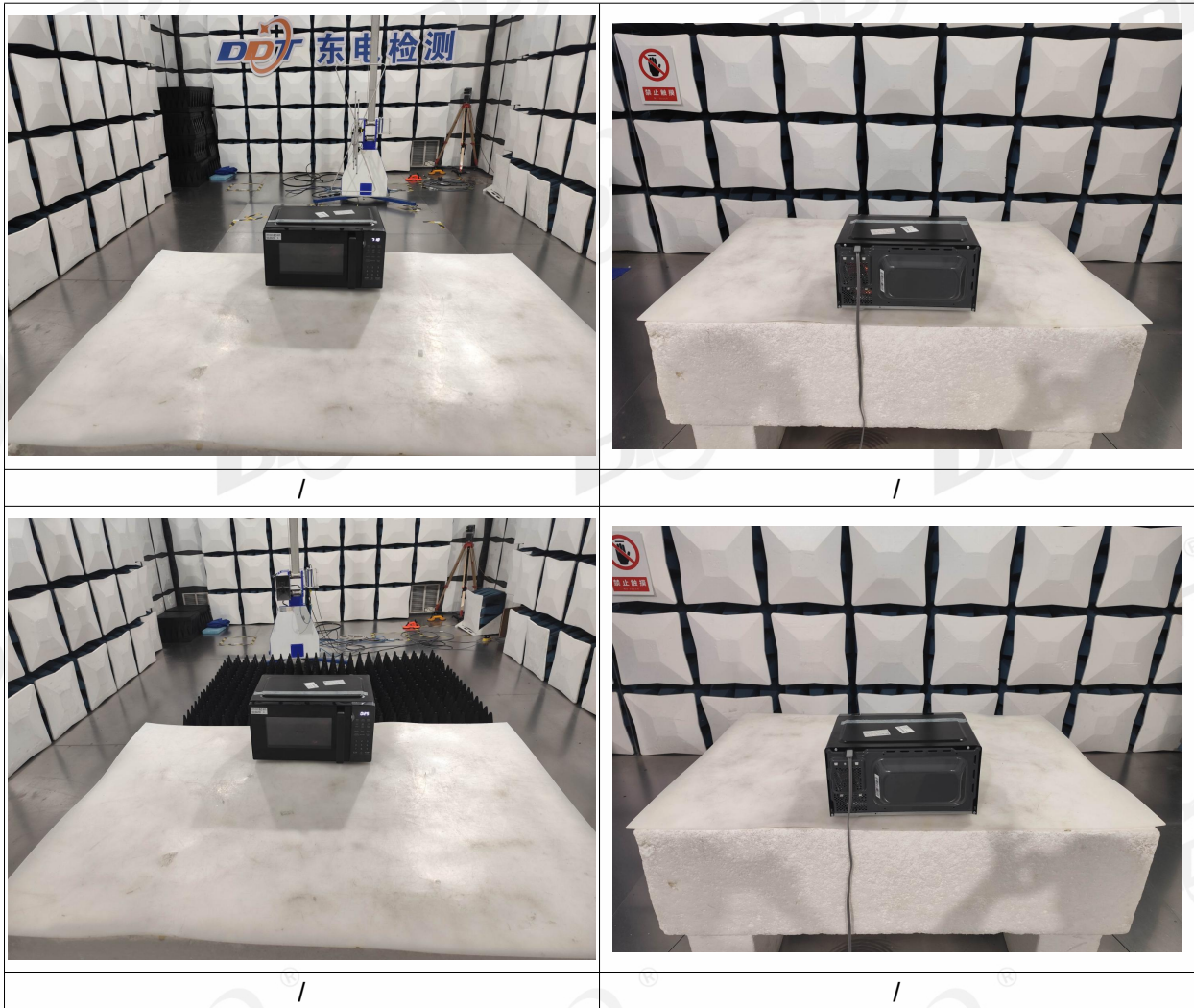
Data: 2



| Item<br>(Mark) | Freq.<br>(MHz) | Read Level<br>(dBμV) | Antenna Factor<br>(dB/m) | PRM Factor<br>dB | Cable Loss<br>dB | Result Level<br>(dBμV/m) | Limit Line<br>(dBμV/m) | Margin<br>(dB) | Detector | Polarization |
|----------------|----------------|----------------------|--------------------------|------------------|------------------|--------------------------|------------------------|----------------|----------|--------------|
| 1              | 2445.00        | 58.88                | 27.78                    | 53.06            | 5.17             | 38.77                    | 68.88                  | 30.11          | Average  | HORIZONTAL   |
| 2              | 7375.00        | 46.22                | 37.25                    | 53.89            | 8.31             | 37.89                    | 68.88                  | 30.99          | Average  | HORIZONTAL   |
| 3              | 9466.00        | 41.22                | 38.24                    | 52.60            | 8.87             | 35.73                    | 68.88                  | 33.15          | Average  | HORIZONTAL   |
| 4              | 9806.00        | 45.02                | 38.54                    | 52.60            | 8.91             | 39.87                    | 68.88                  | 29.01          | Average  | HORIZONTAL   |
| 5              | 14736.00       | 40.12                | 41.23                    | 53.15            | 11.24            | 39.44                    | 68.88                  | 29.44          | Average  | HORIZONTAL   |
| 6              | 17184.00       | 41.28                | 41.36                    | 52.13            | 12.99            | 43.50                    | 68.88                  | 25.38          | Average  | HORIZONTAL   |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.  
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.  
4. According to standard requirements, the radio carrier and harmonic frequencies of the samples are not included in the test results.

4.7. Test photo



## 5. Operating frequency Test

### 5.1. Test equipment

| Equipment                    | Manufacturer      | Model No.        | Equipment No. | Cal Due To |
|------------------------------|-------------------|------------------|---------------|------------|
| Trilog Broadband Antenna     | Schwarzbeck       | VULB 9163        | DDT-ZC00522   | 2026/07/22 |
| RE Cable below 1GHz for 1#RE | R&S               | ESU8/RF1         | DDT-ZC00567   | 2026/07/06 |
| Active Loop Antenna          | Schwarzbeck       | FMZB1519         | DDT-ZC00524   | 2026/08/18 |
| EMI Test Receiver            | R&S               | ESCI             | DDT-ZC01297   | 2026/07/06 |
| Spectrum Analyzer            | Agilent           | E4440A           | DDT-ZC01445   | 2026/03/28 |
| Broad-Band Horn Antenna      | Schwarzbeck       | BBHA 9170        | DDT-ZC00506   | 2026/04/01 |
| Horn Antenna                 | SCHWARZBECK       | BBHA9120 D       | DDT-ZC01218   | 2026/08/13 |
| Preamplifier                 | COM-POWER         | PAM-118A         | DDT-ZC01489   | 2026/08/10 |
| Pre-amplifier                | COM-POWER         | PAM-840A         | DDT-ZC01693   | 2026/03/28 |
| EMI Test Software            | Audix/TW          | e3               | DDT-ZC01252   | /          |
| RF cable                     | Zhongke Junchuang | JCTB810-NJ-NJ-7M | DDT-ZC02759   | 2026/07/22 |

### 5.2. Limits

Detector: Peak

Limit: ISM equipment may be operated at any frequency above 9KHz and the frequency band 2400-2500MHz is allocated for use by ISM equipment

| ISM frequency | Tolerance  |
|---------------|------------|
| 6.78 MHz      | ±15.0 kHz  |
| 13.56 MHz     | ±7.0 kHz   |
| 27.12 MHz     | ±163.0 kHz |
| 40.68 MHz     | ±20.0 kHz  |
| 915 MHz       | ±13.0 MHz  |
| 2,450 MHz     | ±50.0 MHz  |
| 5,800 MHz     | ±75.0 MHz  |
| 24,125 MHz    | ±125.0 MHz |
| 61.25 GHz     | ±250.0 MHz |
| 122.50 GHz    | ±500.0 MHz |
| 245.00 GHz    | ±1.0 GHz   |

### 5.3. Test procedure

#### Frequency For Normal Voltage

The operating frequency was measured using a spectrum analyzer: Starting with the EUT at room temperature, a 1000mL water load was placed in the center of the oven and the oven was operated at maximum output power. The fundamental operating frequency was monitored until the water load was reduced to 20 percent of the original load.

#### Frequency For Line Voltage

The EUT was operated / warmed by at least 10 minutes of use with a 1000mL water load at room temperature at the beginning of the test. Then the operating frequency was monitored as the input voltage was varied between 80 and 125 percent of the nominal rating.

### 5.4. Test result

| Operating Mode | Frequency (MHz) |
|----------------|-----------------|
| Normal Voltage | 2432-2475       |
| Line Voltage   | 2432-2478       |

6. Radiation Hazard Test

6.1. Test equipment

|                          |              |           |               |            |
|--------------------------|--------------|-----------|---------------|------------|
| Equipment                | Manufacturer | Model No. | Equipment No. | Cal Due To |
| Microwave leakage tester | Holaday      | HI-1501   | DDT-ZC05535   | 2026/09/15 |

6.2. Limits

A maximum of 1.0mW/cm<sup>2</sup>is allowed in according with the applicable FCC standards.

6.3. Test procedure

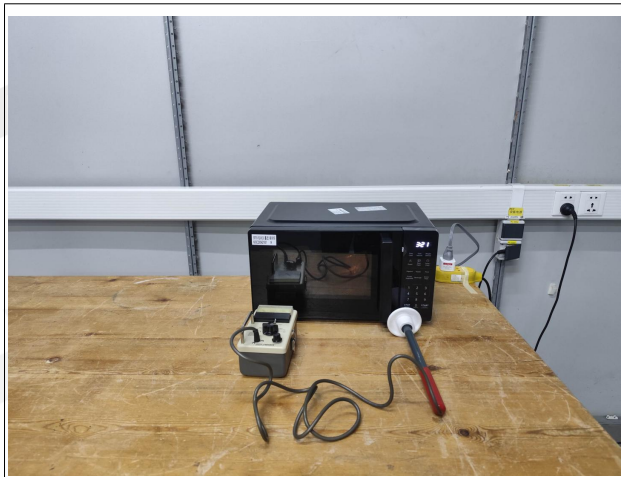
The EUT was set-up according to the FCC MP-5 and FCC Part 18 for radiation hazard measurement. The measurement was using a microwave leakage meter to measure the radiation leakage in the as received condition with the oven door closed A 700 mL water load in a breaker was located in the center of the oven and the microwave oven was set to maximum power. While the oven operating, the microwave meter will check the leakage and then record the maximum leakage.

6.4. Test result

| Test location | Test result (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) | Verdict |
|---------------|-----------------------------------|-----------------------------|---------|
| Left side     | 0.24                              | 1.0                         | Pass    |
| Right side    | 0.22                              | 1.0                         | Pass    |
| Front         | 0.35                              | 1.0                         | Pass    |
| Rear          | 0.18                              | 1.0                         | Pass    |

There was no microwave leakage exceeding a power level of 0.35 mW/cm<sup>2</sup> observed at any point 5cm or more from the external surface of the oven.

6.5. Test photo

|                                                                                     |   |
|-------------------------------------------------------------------------------------|---|
|  | / |
| /                                                                                   | / |

## 7. RF Output Power Measurement

### 7.1. Test equipment

| Equipment          | Manufacturer | Model No. | Equipment No. | Cal Due To |
|--------------------|--------------|-----------|---------------|------------|
| Digital Multimeter | FLUKE        | 287C      | DDT-ZC04864   | 2026/02/23 |

### 7.2. Test procedure

Test the EUT in microwave mode with full power. A quantity of 1 000 g/+5 g of water is added to the container and its actual mass obtained. The food support for microwave heating is placed in the center of the support immediately. The oven is operated and the time for the water temperature to attain 20-/+2 C is measured. The oven is then switched off and the final water temperature is measured with in 60s.

### 7.3. Test result

| Mass of Water(g) | Mass of the container(g) | ambient temperature (°C) | Initial temperature (°C) | Final temperature (°C) | Heating Time(S) | Output Power (Watt) |
|------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------------|---------------------|
| 1000             | 440                      | 20.5                     | 10.4                     | 19.6                   | 62              | 617.78              |

Formula:

The microwave power output is calculated from the formula

$$P = \frac{4,187 \cdot m_w (T_1 - T_0) + 0,55 \cdot m_c (T_1 - T_A)}{t}$$

where

$P$  is the microwave power output, (W);

$m_w$  is the mass of the water, (g);

$m_c$  is the mass of the container, (g);

$T_A$  is the ambient temperature, (°C);

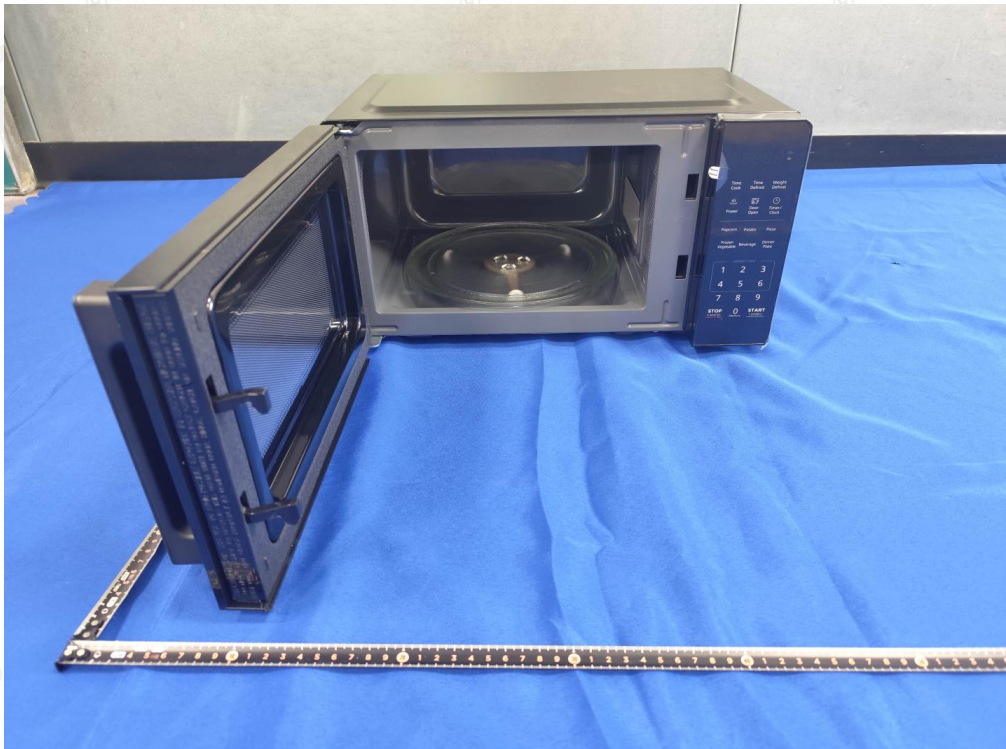
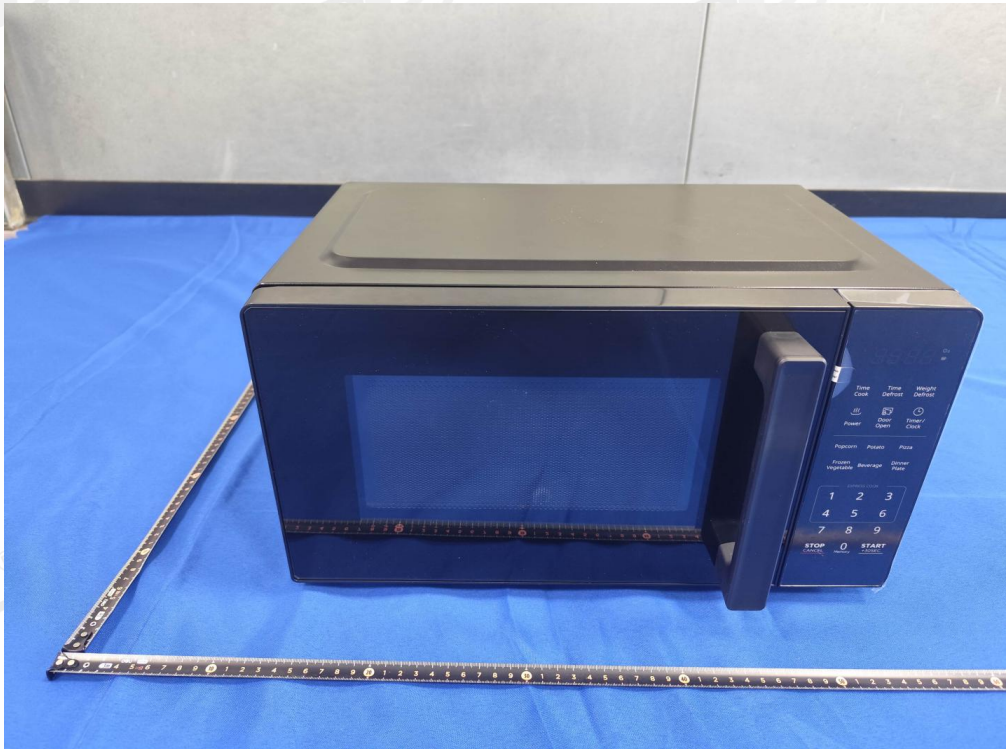
$T_0$  is the initial temperature of the water, (°C);

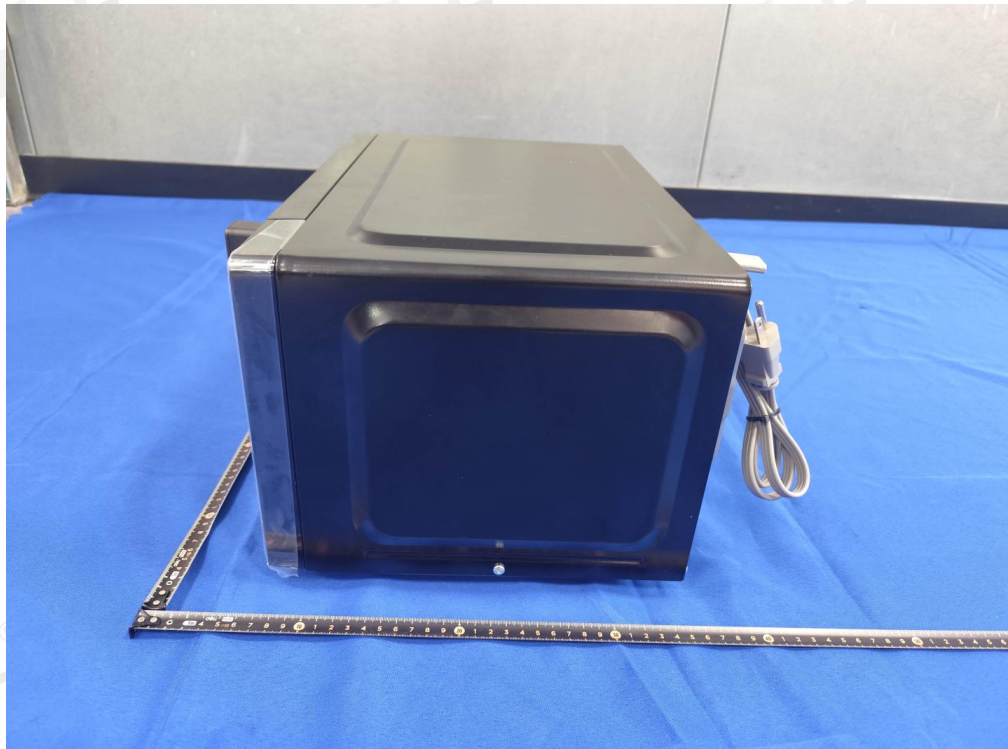
$T_1$  is the final temperature of the water, (°C);

$t$  is the heating time, in seconds, excluding the magnetron filament heating-up time.  $\langle A_1 \rangle$

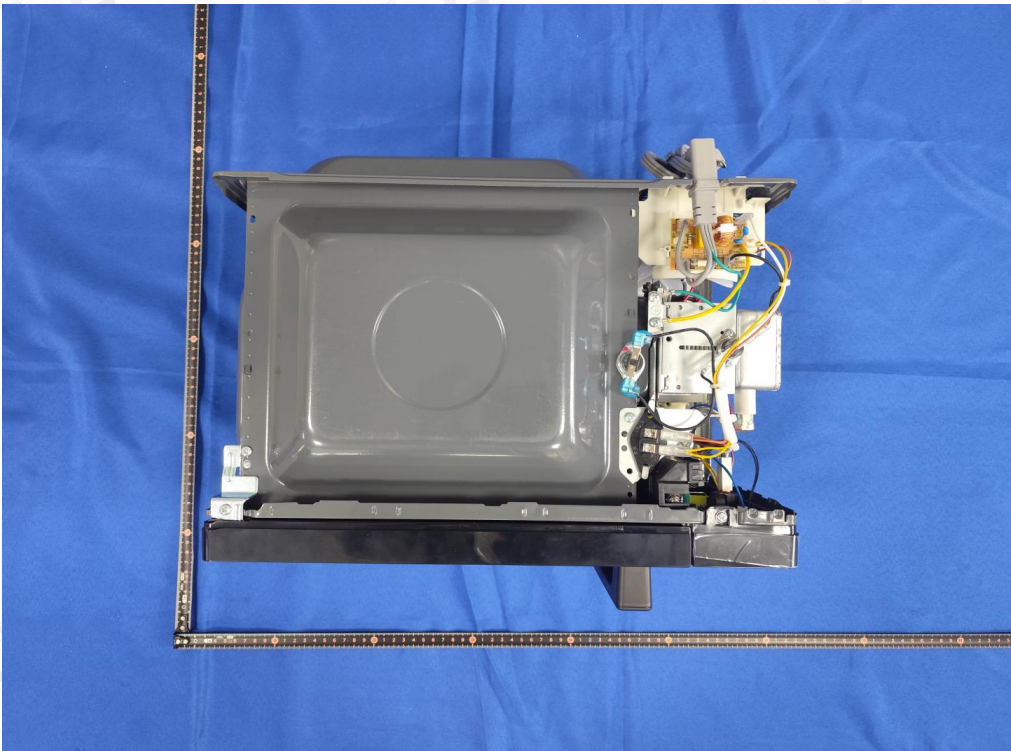
The microwave power output is stated in watts, rounded to the nearest 50 W.

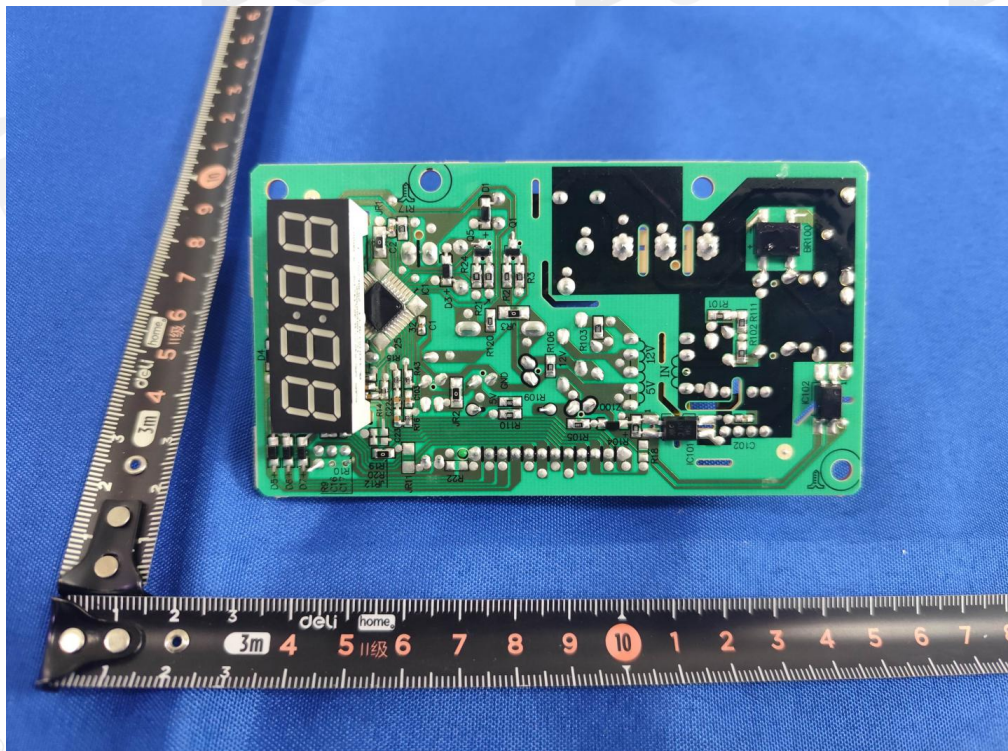
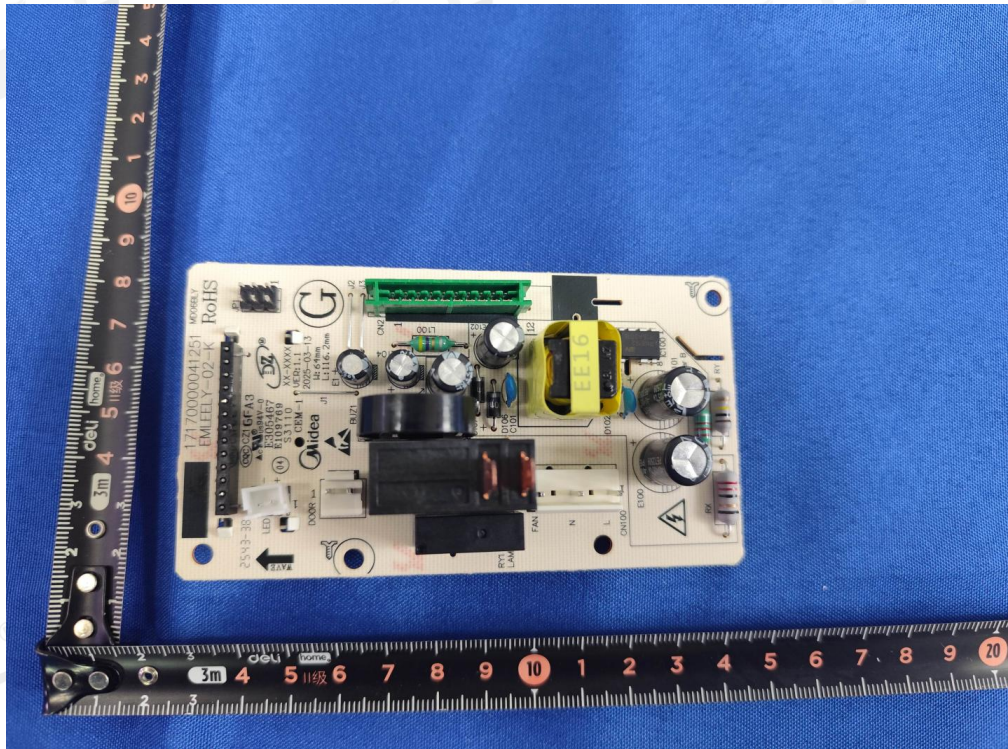
## 8. Photos of the EUT

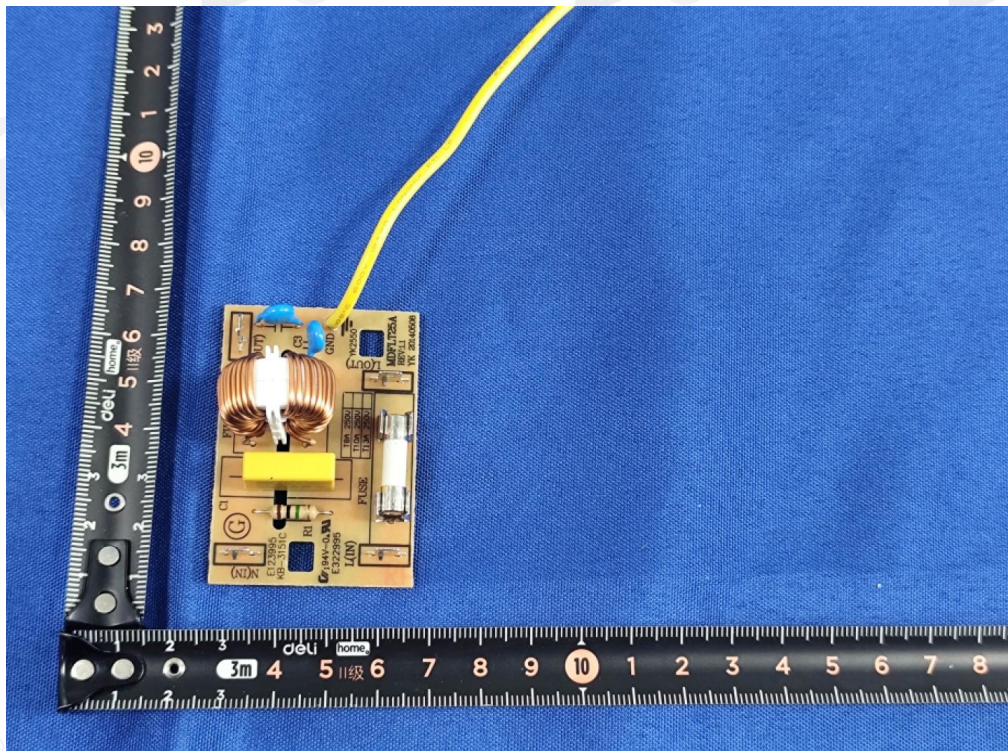
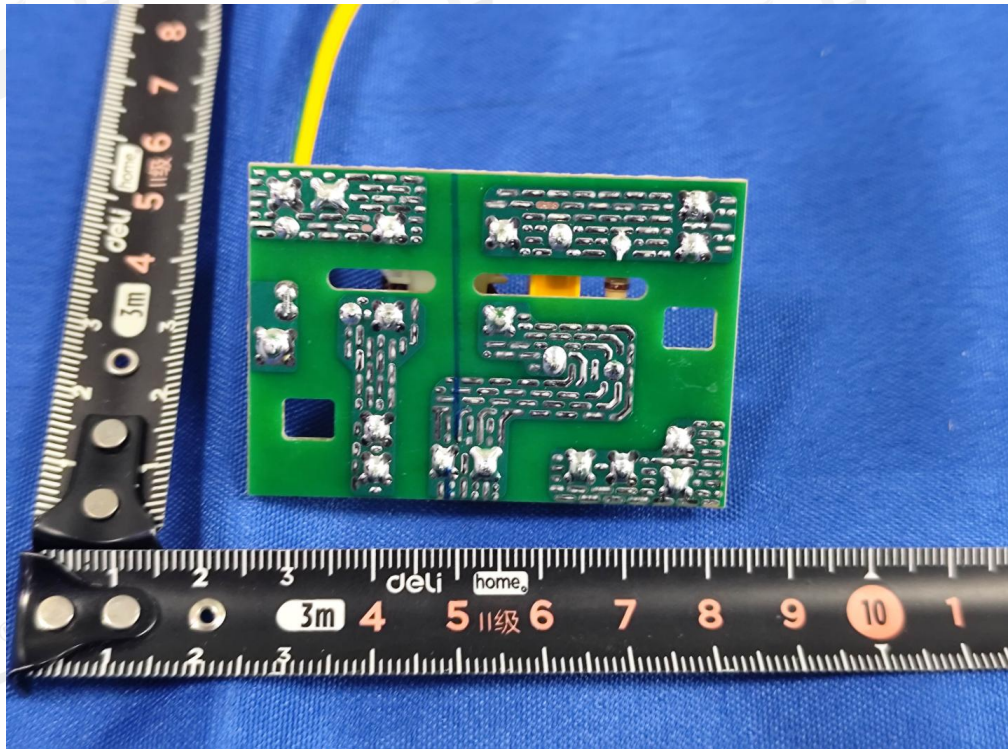


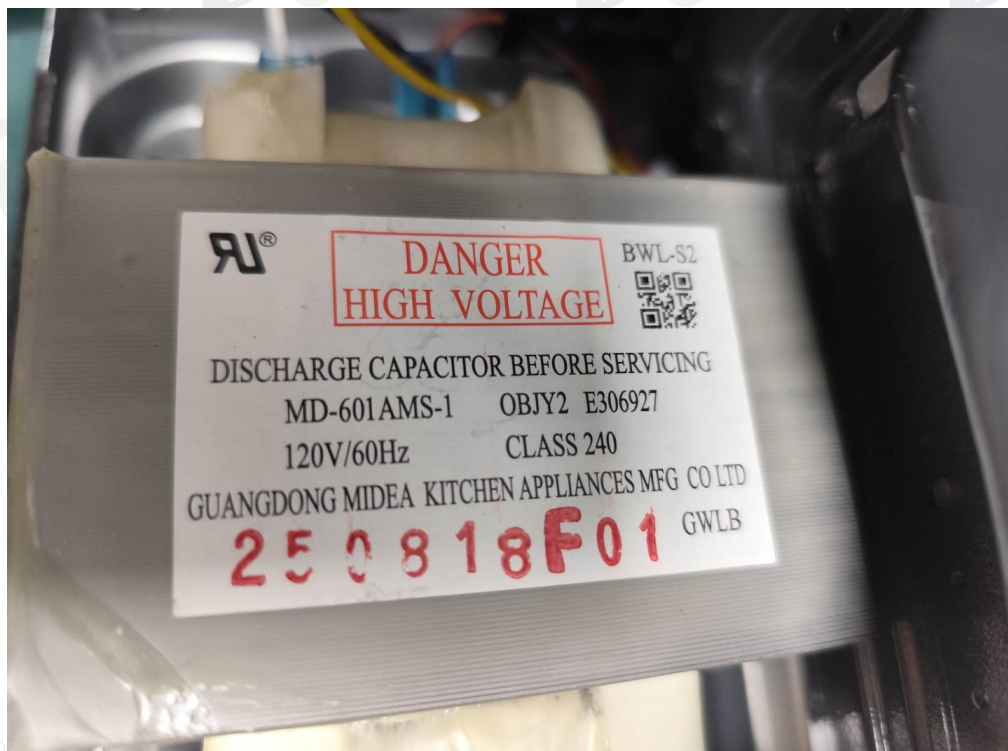












-----End Report-----