

# FCC Test Report

**Report No.:** 2605W77310EA  
**Applicant:** Whirlpool Microwave Products Development Limited.  
**Address:** 17th Fl, Elite Centre, 22 Hung To Rd, Kwun Tong, Hong Kong  
**Product Name:** Household microwave oven  
**Product Model:** WMMF7330  
**Multiple Models:** N/A  
**Trade Mark:** Whirlpool  
**FCC ID:** PR4TANGO2FHWP2  
**Standards:** FCC CFR Title 47 Part 18  
**Test Date:** 2026-09-02  
**Test Result:** Complied  
**Report Date:** 2026-09-09  
**Reviewed by:**  
**Approved by:**

*James Fu*

James Fu  
Project Engineer

*Jacob Kong*

Jacob Kong  
Manager

**Prepared by:**

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen,  
Guangdong, People's Republic of China



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## Revision History

| Version No. | Issued Date | Description |
|-------------|-------------|-------------|
| 00          | 2026-09-09  | Original    |

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# 1 General Information

## 1.1 Client Information

|               |                                                          |
|---------------|----------------------------------------------------------|
| Applicant:    | Whirlpool Microwave Products Development Limited.        |
| Address:      | 17th Fl, Elite Centre,22 Hung To Rd,Kwun Tong, Hong Kong |
| Manufacturer: | Whirlpool Microwave Products Development Limited.        |
| Address:      | 17th Fl, Elite Centre,22 Hung To Rd,Kwun Tong, Hong Kong |

## 1.2 Product Description of EUT

The EUT is Microwave Oven operate on 2450MHz ISM frequency Band.

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Sample Serial Number                      | 3SMF-1 (assigned by WATC)              |
| Sample Received Date                      | 2026-09-01                             |
| Sample Status                             | Good Condition                         |
| Operating Frequency Range                 | 2450MHz±50.0 MHz                       |
| Power Supply                              | AC 120V/60Hz                           |
| Microwave Rated Input Power <sup>#</sup>  | 1800W                                  |
| Microwave Rated Output Power <sup>#</sup> | 1000W                                  |
| Modification                              | Sample No Modification by the test lab |

## 1.3 Related Submittal(s)/Grant(s)

|                                  |
|----------------------------------|
| No Related Submittal(s)/Grant(s) |
|----------------------------------|

## 1.4 Measurement Uncertainty

| Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | Expanded Uncertainty<br>(Confidence of 95%(U = 2Uc(y))) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------|
| AC Power Lines Conducted Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | ±3.14dB                                                 |
| Radiated emission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Below 30MHz | ±2.78dB                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Below 1GHz  | ±4.84dB                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Above 1GHz  | ±5.44dB                                                 |
| Frequency Error                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | 150Hz                                                   |
| <p><b>Note 1:</b> The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.</p> <p><b>Note 2:</b> The Decision Rule is based on simple acceptance with ISO Guide 98-4:2012 Clause 8.2 (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)</p> |             |                                                         |

## 1.5 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: [ga@watc.com.cn](mailto:ga@watc.com.cn)

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

## 1.6 Test Methodology

FCC CFR 47 Part 18

FCC OST MP-5-1986

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method

## 2 Description of Measurement

### 2.1 Test Configuration

| Test Mode: |                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Microwave  | The EUT was operate at the maximum microwave output power, according to FCC OST MP-5-1986 section 4.1, a quantity of water in a beaker was put in the oven cooking cavity during test |

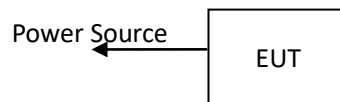
### 2.2 Test Auxiliary Equipment

| Manufacturer | Description  | Model   | Serial Number |
|--------------|--------------|---------|---------------|
| Xiangbo      | Glass Beaker | unknown | unknown       |

### 2.3 Interconnecting Cables

| Manufacturer | Description    | Length(m) | From         | To  |
|--------------|----------------|-----------|--------------|-----|
| Whirlpool    | AC Power Cable | 1.0       | Power Source | EUT |

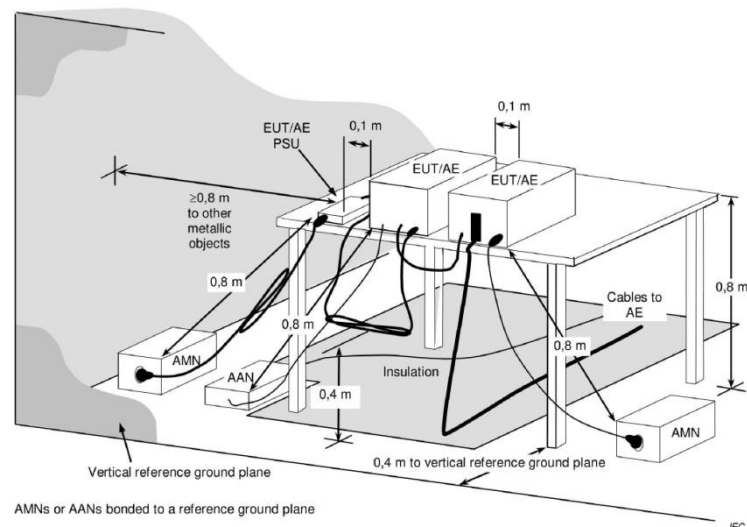
### 2.4 Block Diagram of Connection between EUT and AE



Note: for reference only, the actual connection setup used for testing please refer to the test photos.

### 2.5 Test Setup

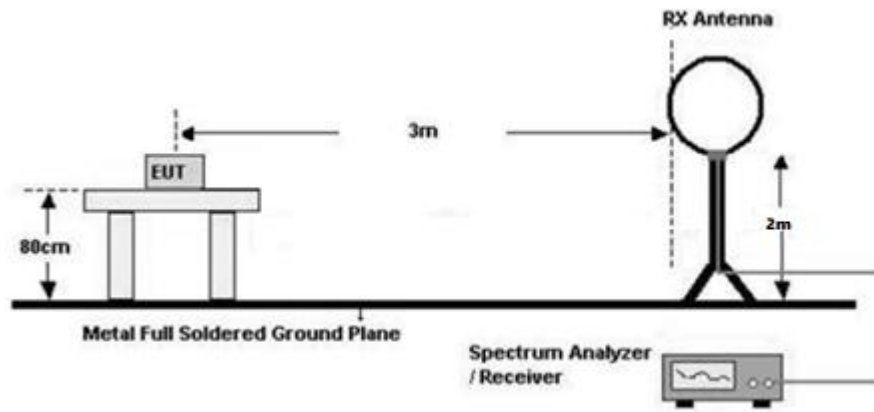
#### 1) Conducted emission measurement:



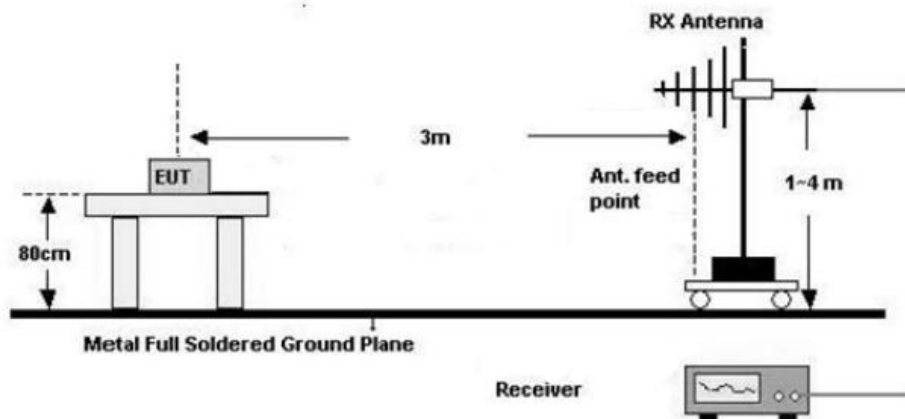
**Note:** The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

## 2) Radiated emission measurement:

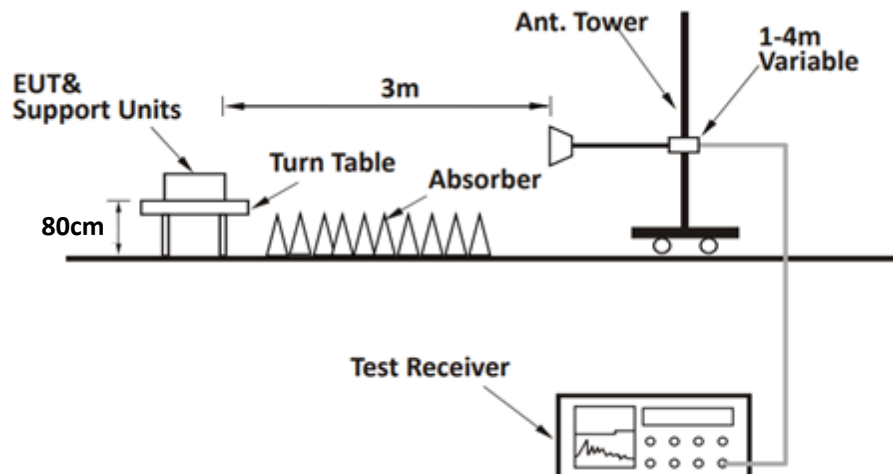
Below 30MHz (3m SAC)



30MHz-1GHz (3m SAC)



Above 1GHz



## 2.6 Test Procedure

### Conducted emission:

1. The E.U.T is placed on a non-conducting table 40cm from the vertical ground plane and 80cm above the horizontal ground plane (Please refer to the block diagram of the test setup and photographs).
2. Both sides of A.C. line are checked for maximum conducted interference.
3. The receiver is set to 9kHz resolution bandwidth, final data was recorded in the Quasi-peak and average detection mode.
4. Line conducted data is recorded for both Line and Neutral

### Radiated Emission Procedure:

#### a) For 9kHz-30MHz:

1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
2. Loop antenna was used, the antenna height set at around 2 meters and three antenna orientations (parallel, perpendicular, ground-parallel). EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360°.
3. The RBW/VBW of receiver is set to 200Hz/1kHz for 9kHz to 150kHz range, to 10kHz/30kHz for 150kHz to 30MHz range for scan Peak emission, 200Hz/9kHz IF BW was used for final measurement in the average detection mode for frequency range 9~150kHz/150kHz~30MHz respectively.
4. If the Peak emission complies with the average limit, then perform final measurement is optional.

#### b) For 30MHz-1GHz:

1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
3. The RBW/VBW of receiver is set to 100kHz/300kHz for scan Peak emission, 120kHz IF BW was used for final measurement in the average detection mode.
4. If the Peak emission complies with the average limit, then perform final measurement is optional.

#### c) For above 1GHz:

1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.
2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
3. Open the test software to control the test antenna and test turntable. Perform the test, save the test

results, and export the test data.

4. Measurements may be performed at a distance closer than that specified in the regulations, in this case the distance correct factor should apply to the result.
5. The RBW/VBW of spectrum analyzer is set to 1MHz/3MHz for scan Peak emission, for measured average emission, reduce the VBW to 10Hz.
6. If the Peak emission complies with the Average limit, then perform average measurement is optional.

## 2.7 Measurement Method

| Description of Test                   | Measurement Method            |
|---------------------------------------|-------------------------------|
| AC Line Conducted Emissions           | FCC OST MP-5-1986 Section 7   |
| Radiated emission                     | FCC OST MP-5-1986 Section 5   |
| Operating frequencies                 | FCC OST MP-5-1986 Section 4.5 |
| Power Output Measurement              | FCC OST MP-5-1986 Section 4.3 |
| Radio frequency exposure requirements | FCC OST MP-5-1986 Section 3.1 |

## 2.8 Measurement Equipment

| Manufacturer                    | Description                     | Model                    | Management No.   | Calibration Date | Calibration Due Date |
|---------------------------------|---------------------------------|--------------------------|------------------|------------------|----------------------|
| AC Line Conducted Emission Test |                                 |                          |                  |                  |                      |
| ROHDE& SCHWARZ                  | EMI TEST RECEIVER               | ESR                      | 101817           | 2026/4/23        | 2027/4/22            |
| R&S                             | LISN                            | ENV216                   | 101748           | 2026/4/23        | 2027/4/22            |
| N/A                             | Coaxial Cable                   | NO.12                    | N/A              | 2026/4/23        | 2027/4/22            |
| Farad                           | Test Software                   | EZ-EMC                   | Ver.<br>EMEC-3A1 | /                | /                    |
| Radiated Emission Test          |                                 |                          |                  |                  |                      |
| R&S                             | EMI test receiver               | ESR3                     | 102758           | 2026/4/23        | 2027/4/22            |
| ROHDE& SCHWARZ                  | SPECTRUM ANALYZER               | FSV40-N                  | 101608           | 2026/4/23        | 2027/4/22            |
| SONOMA INSTRUMENT               | Low frequency amplifier         | 310                      | 186014           | 2026/4/23        | 2027/4/22            |
| A.H. Systems                    | PREAMPLIFIER                    | PAM-0118P                | 531              | 2026/4/23        | 2027/4/22            |
| COM-POWER                       | Amplifier                       | PAM-840A                 | 461306           | 2026/4/23        | 2027/4/22            |
| BACL                            | Loop Antenna                    | 1313-1A                  | 4010611          | 2024/2/7         | 2027/2/6             |
| SCHWARZBECK                     | Log - periodic wideband antenna | VULB 9163                | 9163-872         | 2026/5/14        | 2029/5/13            |
| Astro Antenna Ltd               | Horn antenna                    | AHA-118S                 | 3015             | 2026/5/14        | 2029/5/13            |
| Ducommun technologies           | Horn Antenna                    | ARH-4223-02              | 1007726-03       | 2026/5/14        | 2029/5/13            |
| Oulitong                        | Band Reject Filter              | OBSF-2400-248<br>3.5-50N | OE02103119       | 2026/4/23        | 2027/4/22            |
| N/A                             | Coaxial Cable                   | NO.9                     | N/A              | 2026/4/23        | 2027/4/22            |
| N/A                             | Coaxial Cable                   | NO.13                    | N/A              | 2026/4/23        | 2027/4/22            |
| N/A                             | Coaxial Cable                   | NO.15                    | N/A              | 2026/4/23        | 2027/4/22            |
| N/A                             | Coaxial Cable                   | NO.17                    | N/A              | 2026/4/23        | 2027/4/22            |
| Audix                           | Test Software                   | E3                       | 191218 V9        | /                | /                    |
| Operating frequencies           |                                 |                          |                  |                  |                      |
| ROHDE& SCHWARZ                  | SPECTRUM ANALYZER               | FSV40-N                  | 101608           | 2026/4/23        | 2027/4/22            |
| Astro Antenna Ltd               | Horn antenna                    | AHA-118S                 | 3015             | 2026/5/14        | 2029/5/13            |
| N/A                             | Coaxial Cable                   | NO.9                     | N/A              | 2026/4/23        | 2027/4/22            |

|              |                     |        |           |           |           |
|--------------|---------------------|--------|-----------|-----------|-----------|
| N/A          | Coaxial Cable       | NO.15  | N/A       | 2026/4/23 | 2027/4/22 |
| Audix        | Test Software       | E3     | 191218 V9 | /         | /         |
| Power Output |                     |        |           |           |           |
| YOKOGAWA     | Digital Power Meter | 253503 | 25BW3075  | 2026/4/23 | 2027/4/22 |
| Victor       | Digital Thermometer | 6801   | 100730669 | 2026/4/24 | 2027/4/23 |

Note: All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or International standards.

## 3 Test Results

### 3.1 Test Summary

| FCC Rules                        | Description of Test                   | Result         |
|----------------------------------|---------------------------------------|----------------|
| FCC §18.307                      | AC Line Conducted Emissions           | Compliance     |
| FCC §18.305                      | Radiated emission                     | Compliance     |
| FCC §18.301<br>FCC OST MP-5 §3.2 | Operating frequencies                 | Compliance     |
| FCC OST MP-5 §4.3                | Power Output Measurement              | Reporting only |
| FCC §18.313, §2.1091; §1.1310    | Radio frequency exposure requirements | Compliance*    |

Compliance\*: please refer to the RF exposure report 2605W77310EB.

### 3.2 Limit

| Test items                                                     | Limit                                                    |                               |                                         |                               |                          |
|----------------------------------------------------------------|----------------------------------------------------------|-------------------------------|-----------------------------------------|-------------------------------|--------------------------|
| AC Line Conducted Emissions                                    | Frequency of emission (MHz)                              |                               | Conducted limit (dBµV)                  |                               |                          |
|                                                                |                                                          |                               | Quasi-peak                              | Average                       |                          |
|                                                                | 0.15–0.5                                                 |                               | 66 to 56 *                              | 56 to 46 *                    |                          |
|                                                                | 0.5–5                                                    |                               | 56                                      | 46                            |                          |
|                                                                | 5–30                                                     |                               | 60                                      | 50                            |                          |
| * Decreases with the logarithm of the frequency.               |                                                          |                               |                                         |                               |                          |
| Radiated emission                                              | Equipment                                                | Operating frequency           | RF Power generated by equipment (watts) | Field strength limit (uV/m)   | Distance (meters)        |
|                                                                | Any type unless otherwise specified (miscellaneous)      | Any ISM frequency             | Below 500<br>500 or more                | 25<br>25 ×<br>SQRT(power/500) | 300<br>1300              |
| Operating frequencies                                          | §18.301<br>Within ISM frequency band 2400-2500MHz        |                               |                                         |                               |                          |
| Radio frequency exposure requirements                          | §1.1310                                                  |                               |                                         |                               |                          |
|                                                                | Frequency range (MHz)                                    | Electric field strength (V/m) | Magnetic field strength (A/m)           | Power density (mW/cm²)        | Averaging time (minutes) |
|                                                                | (ii) Limits for General Population/Uncontrolled Exposure |                               |                                         |                               |                          |
|                                                                | 0.3–1.34                                                 | 614                           | 1.63                                    | *(100)                        | <30                      |
|                                                                | 1.34–30                                                  | 824/f                         | 2.19/f                                  | *(180/f²)                     | <30                      |
|                                                                | 30–300                                                   | 27.5                          | 0.073                                   | 0.2                           | <30                      |
|                                                                | 300–1,500                                                |                               |                                         | f/1500                        | <30                      |
|                                                                | 1,500–100,000                                            |                               |                                         | 1.0                           | <30                      |
| f = frequency in MHz. * = Plane-wave equivalent power density. |                                                          |                               |                                         |                               |                          |

### 3.3 Operating frequencies

|                               |                                                                    |                 |         |
|-------------------------------|--------------------------------------------------------------------|-----------------|---------|
| <b>Test Date:</b>             | 2026-09-02                                                         | <b>Test By:</b> | Tim Lai |
| <b>Environment condition:</b> | Temperature: 24.1°C; Relative Humidity:59%; ATM Pressure: 101.1kPa |                 |         |

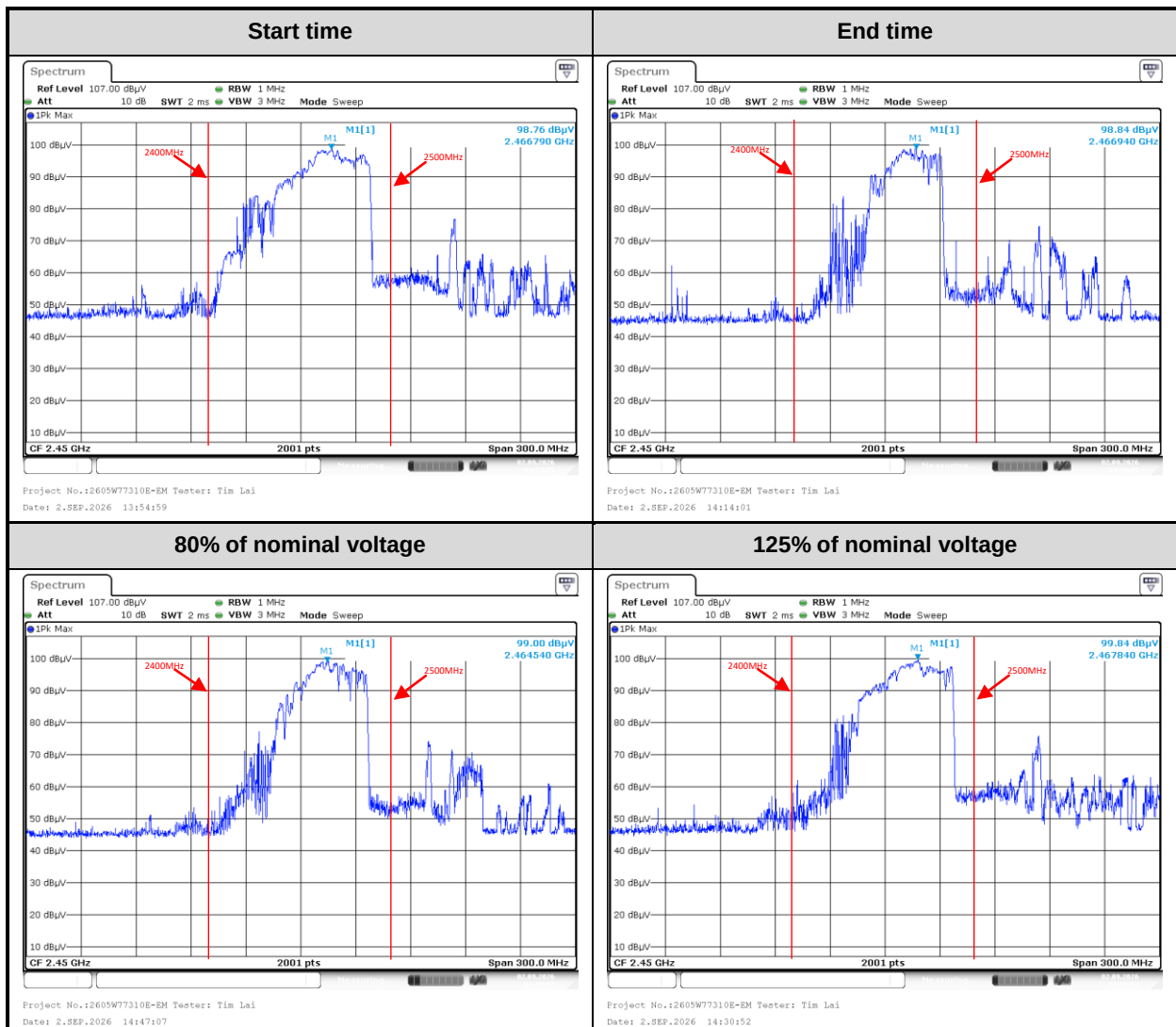
#### Variation in Operating Frequency with Time

| Frequency at Start time(MHz) | Frequency at End time(MHz) | Limit(MHz)       |
|------------------------------|----------------------------|------------------|
| 2466.79                      | 2466.94                    | Within 2400~2500 |

#### Variation in Operating Frequency with Line Voltage

| Frequency at 80% of nominal voltage(MHz) | Frequency at 125% of nominal voltage(MHz) | Limit(MHz)       |
|------------------------------------------|-------------------------------------------|------------------|
| 2464.54                                  | 2467.84                                   | Within 2400~2500 |

#### Test Plot:



### 3.4 Power Output Measurement

|                               |                                                                    |                 |            |
|-------------------------------|--------------------------------------------------------------------|-----------------|------------|
| <b>Test Date:</b>             | 2026-09-02                                                         | <b>Test By:</b> | Ryan Zhang |
| <b>Environment condition:</b> | Temperature: 25.4°C; Relative Humidity:66%; ATM Pressure: 101.2kPa |                 |            |

#### Power Input:

| Input Voltage(V <sub>AC</sub> ) | Input Current(A) | Input Power(W) | Rated Input Power(W) |
|---------------------------------|------------------|----------------|----------------------|
| 116.2                           | 14.8             | 1719.76        | 1800                 |

Note:

Based on the measured input power, the EUT was found to be operating within the intended specifications.

#### Power Output:

| Quantity of Water (ml) | Mass of the container (g) | Ambient temperature (°C) | Initial temperature (°C) | Final temperature (°C) | Heating time (s) | Power output (W) |
|------------------------|---------------------------|--------------------------|--------------------------|------------------------|------------------|------------------|
| 1000                   | 487                       | 25.3                     | 27.8                     | 40.1                   | 60               | 924              |

Formula:

$$P = \frac{4,187 \cdot m_w (T_2 - T_1) + 0,55 \cdot m_c (T_2 - T_0)}{t}$$

Note:

*P* is the microwave power output(W)

*m<sub>w</sub>* is the mass of the water(g)

*m<sub>c</sub>* is the mass of the container(g)

*T<sub>0</sub>* is the ambient temperature( °C)

*T<sub>1</sub>* is the initial temperature of water( °C)

*T<sub>2</sub>* is the final temperature of water( °C)

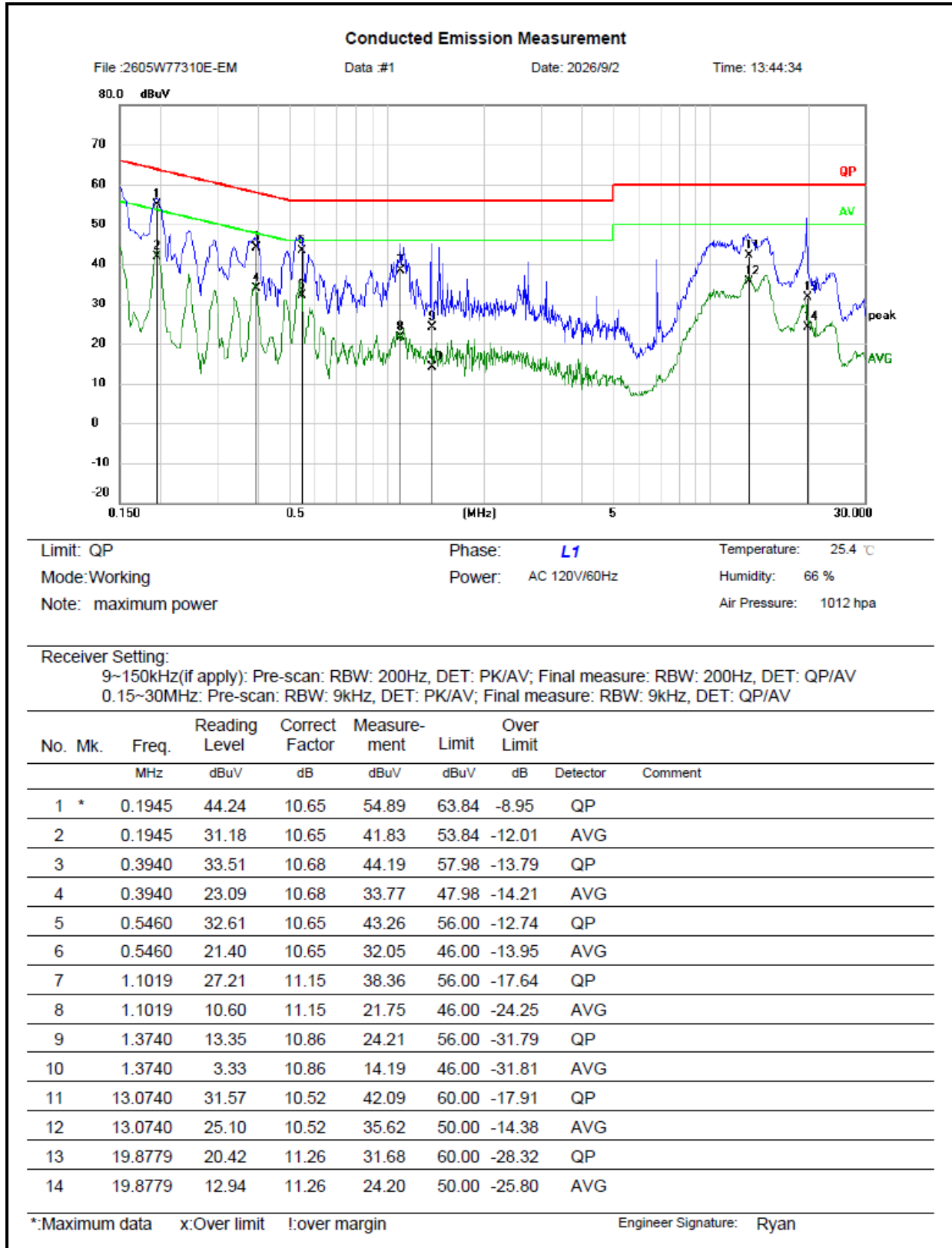
*t* is the water heating time(s), excluding the magnetron filament heating-up time

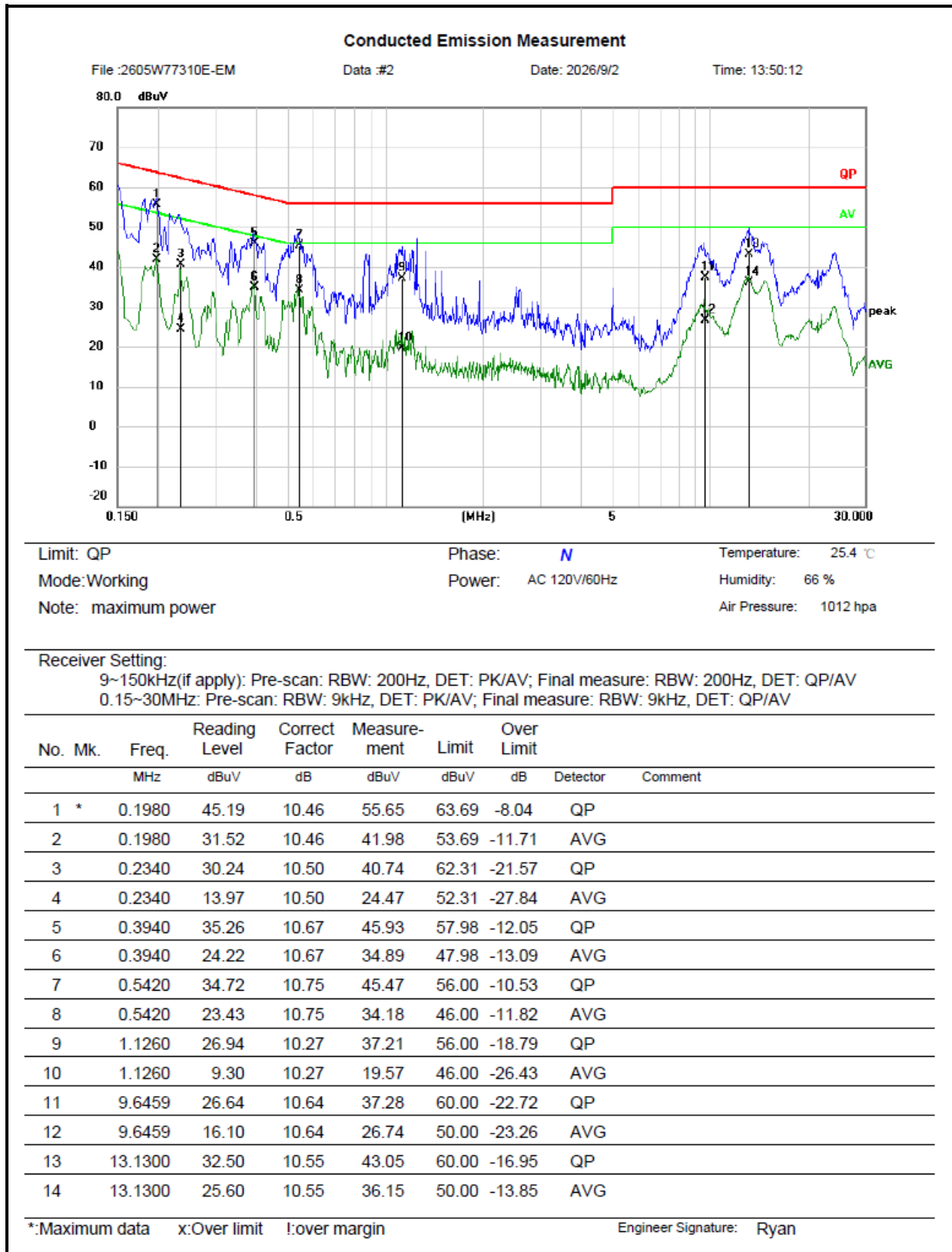
According to FCC § 18.305, the field strength limit of the outside band emissions is:

$$\begin{aligned} \text{Limit} &= 20\lg(25 \cdot \text{SQRT}(\text{Power}/500)) + 20\lg(300/3) \\ &= 20\lg(25 \cdot \text{SQRT}(924/500)) + 20\lg(300/3) \\ &= \underline{70.62} \text{dBuV/m @3m distance} \end{aligned}$$

### 3.5 AC Line Conducted Emissions Test Data

|                        |                                                                    |          |            |
|------------------------|--------------------------------------------------------------------|----------|------------|
| Test Date:             | 2026-09-02                                                         | Test By: | Ryan Zhang |
| Environment condition: | Temperature: 25.4°C; Relative Humidity:66%; ATM Pressure: 101.2kPa |          |            |





**Remark:**

Measurement (dBuV)= Reading Level (dBuV) + Correct Factor(dB)

Correct Factor (dB)= LISN Voltage Division Factor (dB)+ Cable loss(dB)

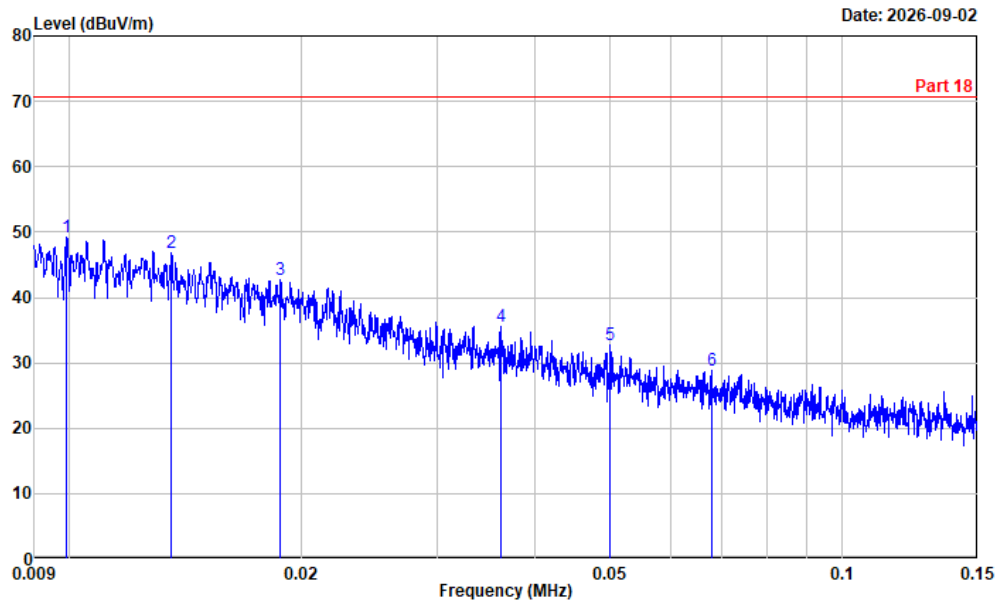
Over Limit = Measurement – Limit

### 3.6 Radiated emission Test Data

9 kHz-30MHz:

|                               |                                                                   |                 |         |
|-------------------------------|-------------------------------------------------------------------|-----------------|---------|
| <b>Test Date:</b>             | 2026-09-02                                                        | <b>Test By:</b> | Tim Lai |
| <b>Environment condition:</b> | Temperature: 25.8°C; Relative Humidity:67%; ATM Pressure: 99.4kPa |                 |         |

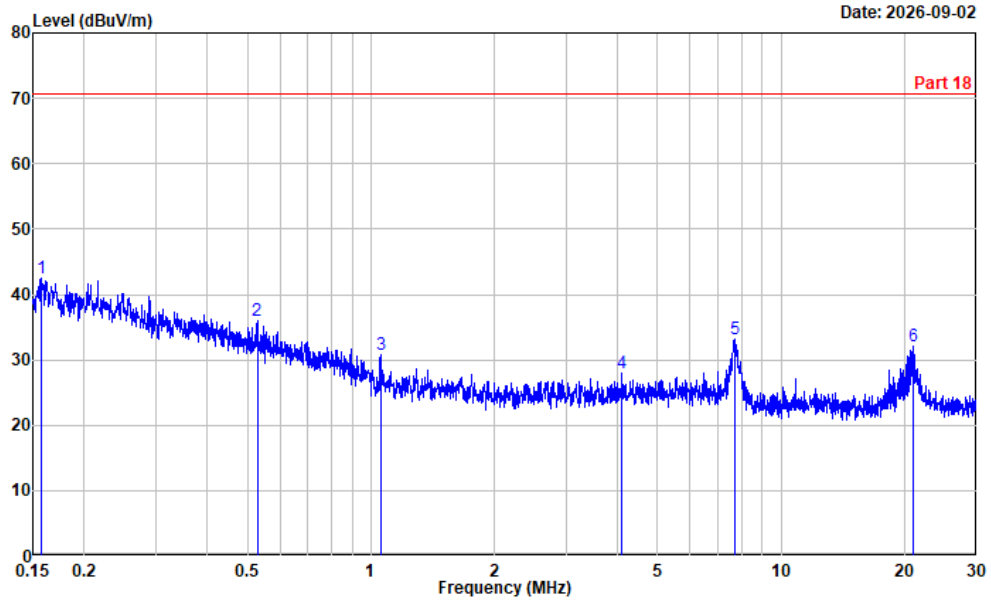
Worst case parallel:



Project No. : 2605W77310E-EM  
 Test Mode : Microwave  
 Test Voltage : AC 120V/60Hz  
 Environment : 25.8°C/67%R.H./99.4kPa  
 Tested by : Tim Lai  
 Polarization : PARALLEL  
 Remark : Maximum microwave output power

| --No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Over Limit<br>(dB) | Detector |
|-------|--------------------|-------------------|------------------|--------------------|-------------------|--------------------|----------|
| ----- |                    |                   |                  |                    |                   |                    |          |
| 1     | 0.010              | 11.80             | 37.34            | 49.14              | 70.62             | -21.48             | Peak     |
| 2     | 0.014              | 11.72             | 35.02            | 46.74              | 70.62             | -23.88             | Peak     |
| 3     | 0.019              | 10.95             | 31.71            | 42.66              | 70.62             | -27.96             | Peak     |
| 4     | 0.036              | 12.22             | 23.33            | 35.55              | 70.62             | -35.07             | Peak     |
| 5     | 0.050              | 12.26             | 20.49            | 32.75              | 70.62             | -37.87             | Peak     |
| 6     | 0.068              | 10.76             | 18.06            | 28.82              | 70.62             | -41.80             | Peak     |

Remarks: Factor = Antenna factor + Cable loss - Preamp gain  
 Result = Reading + Factor  
 Over Limit = Result - Limit  
 SA setting: RBW/VBW: 200Hz/1kHz, DET: PK



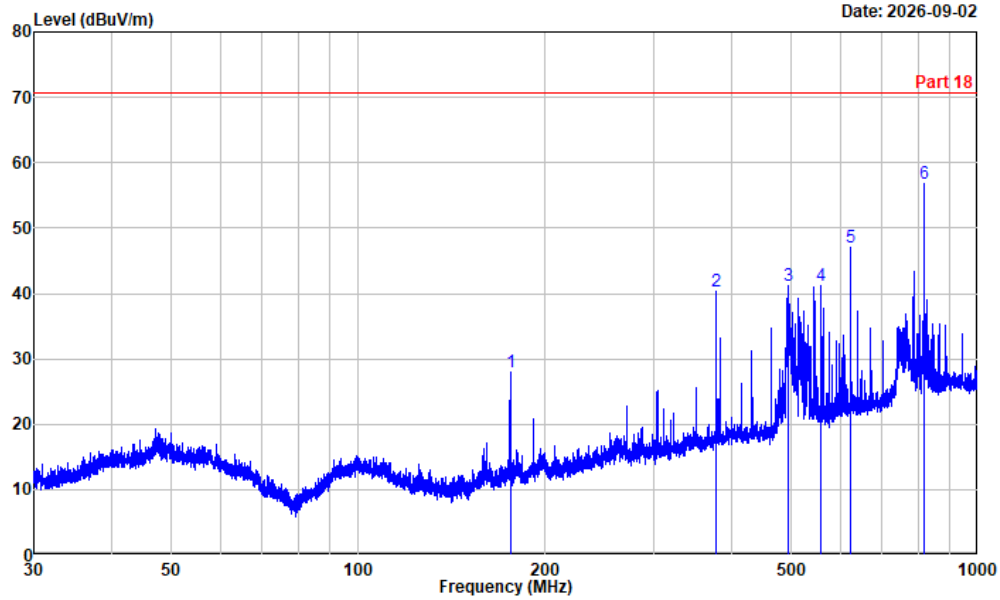
Project No. : 2605W77310E-EM  
Test Mode : Microwave  
Test Voltage : AC 120V/60Hz  
Environment : 25.8°C/67%R.H./99.4kPa  
Tested by : Tim Lai  
Polarization : PARALLEL  
Remark : Maximum microwave output power

| --No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Over Limit<br>(dB) | Detector |
|-------|--------------------|-------------------|------------------|--------------------|-------------------|--------------------|----------|
| 1     | 0.157              | 29.03             | 13.48            | 42.51              | 70.62             | -28.11             | Peak     |
| 2     | 0.528              | 30.70             | 5.38             | 36.08              | 70.62             | -34.54             | Peak     |
| 3     | 1.056              | 30.46             | 0.35             | 30.81              | 70.62             | -39.81             | Peak     |
| 4     | 4.085              | 31.77             | -3.81            | 27.96              | 70.62             | -42.66             | Peak     |
| 5     | 7.687              | 37.14             | -3.87            | 33.27              | 70.62             | -37.35             | Peak     |
| 6     | 20.998             | 35.25             | -3.16            | 32.09              | 70.62             | -38.53             | Peak     |

Remarks: Factor = Antenna factor + Cable loss - Preamp gain  
Result = Reading + Factor  
Over Limit = Result - Limit  
SA setting: RBW/VBW: 10kHz/30kHz, DET: PK

**30MHz-1GHz:**

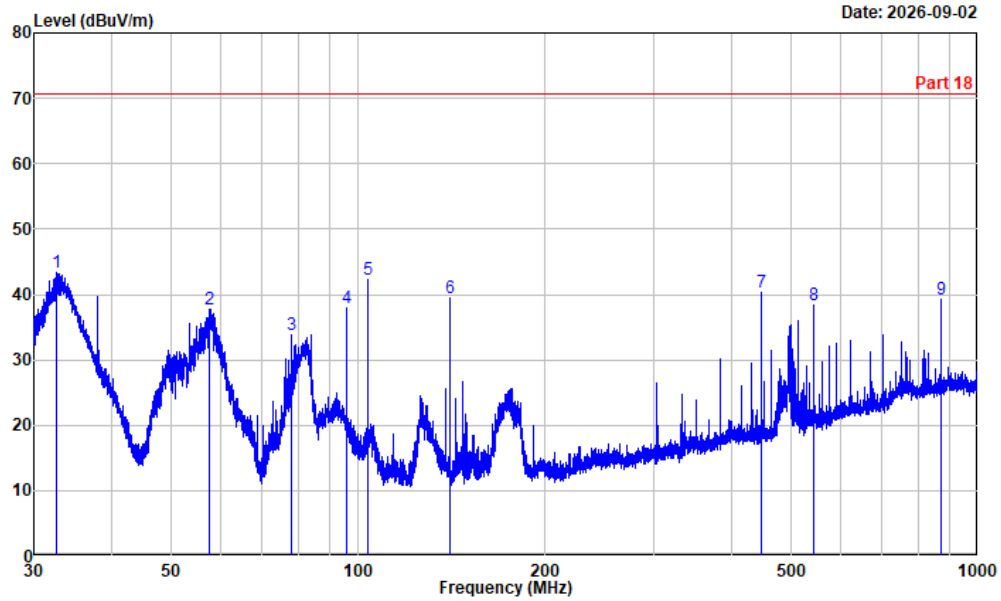
|                               |                                                                   |                 |         |
|-------------------------------|-------------------------------------------------------------------|-----------------|---------|
| <b>Test Date:</b>             | 2026-09-02                                                        | <b>Test By:</b> | Tim Lai |
| <b>Environment condition:</b> | Temperature: 25.8°C; Relative Humidity:67%; ATM Pressure: 99.4kPa |                 |         |



Project No. : 2605W77310E-EM  
 Test Mode : Microwave  
 Test Voltage : AC 120V/60Hz  
 Environment : 25.8°C/67%R.H./99.4kPa  
 Tested by : Tim Lai  
 Polarization : horizontal  
 Remark : Maximum microwave output power

| --No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Over Limit<br>(dB) | Detector |
|-------|--------------------|-------------------|------------------|--------------------|-------------------|--------------------|----------|
| <hr/> |                    |                   |                  |                    |                   |                    |          |
| 1     | 176.037            | 43.69             | -15.62           | 28.07              | 70.62             | -42.55             | Peak     |
| 2     | 378.750            | 49.30             | -9.01            | 40.29              | 70.62             | -30.33             | Peak     |
| 3     | 494.199            | 48.37             | -7.17            | 41.20              | 70.62             | -29.42             | Peak     |
| 4     | 557.751            | 47.45             | -6.21            | 41.24              | 70.62             | -29.38             | Peak     |
| 5     | 623.983            | 51.23             | -4.24            | 46.99              | 70.62             | -23.63             | Peak     |
| 6     | 820.271            | 58.92             | -2.11            | 56.81              | 70.62             | -13.81             | Peak     |

Remarks: Factor = Antenna factor + Cable loss - Preamp gain  
 Result = Reading + Factor  
 Over Limit = Result - Limit  
 SA setting: Pre-scan: RBW/VBW: 100kHz/300kHz, DET: PK  
 Final measure: RBW: 120kHz, DET: QP



Project No. : 2605W77310E-EM  
Test Mode : Microwave  
Test Voltage : AC 120V/60Hz  
Environment : 25.8°C/67%R.H./99.4kPa  
Tested by : Tim Lai  
Polarization : vertical  
Remark : Maximum microwave output power

| --No. | Frequency<br>(MHz) | Reading<br>(dBμV) | Factor<br>(dB/m) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Over Limit<br>(dB) | Detector |
|-------|--------------------|-------------------|------------------|--------------------|-------------------|--------------------|----------|
| 1     | 32.648             | 58.14             | -14.72           | 43.42              | 70.62             | -27.20             | Peak     |
| 2     | 57.493             | 49.73             | -11.95           | 37.78              | 70.62             | -32.84             | Peak     |
| 3     | 78.207             | 52.31             | -18.54           | 33.77              | 70.62             | -36.85             | Peak     |
| 4     | 95.846             | 51.29             | -13.39           | 37.90              | 70.62             | -32.72             | Peak     |
| 5     | 103.806            | 55.25             | -12.98           | 42.27              | 70.62             | -28.35             | Peak     |
| 6     | 140.712            | 56.17             | -16.62           | 39.55              | 70.62             | -31.07             | Peak     |
| 7     | 447.982            | 48.53             | -8.29            | 40.24              | 70.62             | -30.38             | Peak     |
| 8     | 543.989            | 44.82             | -6.41            | 38.41              | 70.62             | -32.21             | Peak     |
| 9     | 874.097            | 40.81             | -1.61            | 39.20              | 70.62             | -31.42             | Peak     |

Remarks: Factor = Antenna factor + Cable loss - Preamp gain  
Result = Reading + Factor  
Over Limit = Result - Limit  
SA setting: Pre-scan: RBW/VBW: 100kHz/300kHz, DET: PK  
Final measure: RBW: 120kHz, DET: QP

**Above 1GHz:**

|                               |                                                                   |                 |         |
|-------------------------------|-------------------------------------------------------------------|-----------------|---------|
| <b>Test Date:</b>             | 2026-09-02                                                        | <b>Test By:</b> | Tim Lai |
| <b>Environment condition:</b> | Temperature: 25.9°C; Relative Humidity:66%; ATM Pressure: 99.7kPa |                 |         |

| Frequency (MHz) | Reading level (dBμV) | Polar      | Corrected Factor (dB/m) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark  |
|-----------------|----------------------|------------|-------------------------|------------------------------|----------------|-------------|---------|
| 2206.000        | 51.25                | horizontal | -3.31                   | 47.94                        | 70.62          | -22.68      | Average |
| 2524.000        | 49.77                | horizontal | -2.62                   | 47.15                        | 70.62          | -23.47      | Average |
| 3276.000        | 45.61                | horizontal | -2.68                   | 42.93                        | 70.62          | -27.69      | Average |
| 4099.000        | 46.81                | horizontal | -3.46                   | 43.35                        | 70.62          | -27.27      | Average |
| 8019.000        | 43.01                | horizontal | -0.37                   | 42.64                        | 70.62          | -27.98      | Average |
| 9823.000        | 49.32                | horizontal | -0.09                   | 49.23                        | 70.62          | -21.39      | Average |
| 2200.000        | 50.08                | vertical   | -3.34                   | 46.74                        | 70.62          | -23.88      | Average |
| 2518.000        | 48.10                | vertical   | -2.62                   | 45.48                        | 70.62          | -25.14      | Average |
| 3952.000        | 48.18                | vertical   | -3.29                   | 44.89                        | 70.62          | -25.73      | Average |
| 4320.000        | 52.39                | vertical   | -4.48                   | 47.91                        | 70.62          | -22.71      | Average |
| 4607.000        | 45.24                | vertical   | -2.80                   | 42.44                        | 70.62          | -28.18      | Average |
| 8012.000        | 44.00                | vertical   | -0.41                   | 43.59                        | 70.62          | -27.03      | Average |
| 9831.000        | 53.58                | vertical   | -0.06                   | 53.52                        | 70.62          | -17.10      | Average |
| 700ml Water     |                      |            |                         |                              |                |             |         |
| 4921.000        | 49.20                | horizontal | -1.70                   | 47.50                        | 70.62          | -23.12      | Average |
| 7379.000        | 50.48                | horizontal | -1.34                   | 49.14                        | 70.62          | -21.48      | Average |
| 4927.000        | 47.58                | vertical   | -1.71                   | 45.87                        | 70.62          | -24.75      | Average |
| 7378.000        | 52.31                | vertical   | -1.35                   | 50.96                        | 70.62          | -19.66      | Average |
| 300ml Water     |                      |            |                         |                              |                |             |         |
| 4952.000        | 48.39                | horizontal | -1.70                   | 46.69                        | 70.62          | -23.93      | Average |
| 7365.000        | 49.22                | horizontal | -1.39                   | 47.83                        | 70.62          | -22.79      | Average |
| 4930.000        | 47.13                | vertical   | -1.71                   | 45.42                        | 70.62          | -25.20      | Average |
| 7333.000        | 50.09                | vertical   | -1.55                   | 48.54                        | 70.62          | -22.08      | Average |

Remark:

Corrected Amplitude= Reading level + corrected Factor

Corrected Factor = Antenna factor + Cable loss – Amplifier gain

Margin = Corrected Amplitude – Limit

The emission levels of other frequencies that were lower than the limit 20dB not show in test report.

For emissions in 18GHz-25GHz range, all emissions were investigated and in the noise floor level.

## 4 Test Setup Photo

Please refer to the attachment 2605W77310E Test Setup photo.

## 5 E.U.T Photo

Please refer to the attachment 2605W77310E External photo and 2605W77310E Internal photo.

**---End of Report---**