



## FCC PART 18 TEST REPORT

For

**Zhongshan Donlim Weili Electrical Appliances  
Co., Ltd.**

Fusha Industrial Park, Fusha Town, Zhongshan, China

**FCC ID: YI4DW23PX98F**

|   |  |
|---|--|
| <b>Report Type:</b><br>Original Report  | <b>Product Type:</b><br>Microwave Oven |
| <b>Report Number:</b> <u>RSZ171128550-00</u>  |  |
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## **TABLE OF CONTENTS**

|  |           |
|--|-----------|
| <b>GENERAL INFORMATION.....</b>                          | <b>3</b>  |
| PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....  | 3         |
| OBJECTIVE .....  | 3         |
| RELATED SUBMITTAL(S)/GRANT(S).....                       | 3         |
| TEST METHODOLOGY .....                                   | 3         |
| MEASUREMENT UNCERTAINTY:.....                            | 3         |
| TEST FACILITY .....                                      | 4         |
| <b>OPERATING CONDITION/TEST CONFIGURATION.....</b>       | <b>5</b>  |
| JUSTIFICATION .....                                      | 5         |
| EUT EXERCISE SOFTWARE .....                              | 5         |
| SPECIAL ACCESSORIES.....                                 | 5         |
| EQUIPMENT MODIFICATIONS .....                            | 5         |
| SUPPORT EQUIPMENT LIST AND DETAILS .....                 | 5         |
| EXTERNAL CABLE LIST AND DETAILS .....                    | 5         |
| CONFIGURATION OF TEST SETUP .....                        | 5         |
| BLOCK DIAGRAM OF TEST SETUP .....                        | 6         |
| <b>TEST EQUIPMENT LIST .....</b>                         | <b>7</b>  |
| <b>CONDUCTED EMISSIONS .....</b>                         | <b>8</b>  |
| APPLICABLE STANDARD .....                                | 8         |
| EUT SETUP .....  | 8         |
| EMI TEST RECEIVER SETUP.....                             | 8         |
| TEST PROCEDURE .....                                     | 9         |
| TEST RESULTS SUMMARY .....                               | 9         |
| TEST DATA .....  | 9         |
| <b>RADIATION HAZARD MEASUREMENT.....</b>                 | <b>12</b> |
| APPLICABLE STANDARD .....                                | 12        |
| ENVIRONMENTAL CONDITIONS.....                            | 12        |
| RADIATION HAZARD MEASUREMENT .....                       | 12        |
| INPUT POWER.....   | 12        |
| LOAD FOR MICROWAVE OVENS .....                           | 13        |
| RF OUTPUT POWER MEASUREMENT.....                         | 13        |
| OPERATING FREQUENCY MEASUREMENT .....                    | 15        |
| <b>RADIATED EMISSIONS.....</b>                           | <b>18</b> |
| APPLICABLE STANDARD .....                                | 18        |
| EUT SETUP .....  | 18        |
| EMI TEST RECEIVER SETUP AND SPECTRUM ANALYZER SETUP..... | 19        |
| TEST PROCEDURE .....                                     | 19        |
| CORRECTED AMPLITUDE & MARGIN CALCULATION .....           | 19        |
| TEST RESULTS SUMMARY .....                               | 20        |
| TEST DATA AND PLOTS .....                                | 20        |

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

The *Zhongshan Donlim Weili Electrical Appliances Co., Ltd.* 's product, model number: *23PX98-F* (*FCC ID: YI4DW23PX98F*) or the "EUT" in this report is a *Microwave Oven* , which was measured approximately: 48.5 cm (L) x 35 cm (W) x 27.8 cm (H), the input power is AC 120V/60Hz. The highest operating frequency is 2450MHz.

*Note: The serial model 23PX99-F and 23PX98-F are electrically identical, the difference between them is model name, color of door frame and control box. 23PX98-F was selected for fully testing, the details were explained in the product similarity declaration letter that stated and guaranteed by the applicant.*

*\*All measurement and test data in this report was gathered from production sample serial number: 1710092 (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2017-11-28.*

### Objective

This report is prepared on behalf of *Zhongshan Donlim Weili Electrical Appliances Co., Ltd.* in accordance with Part 2-Subpart J, and Part 18-Subparts A, B and C of the Federal Communication Commissions rules and regulations.

The objective of the manufacturer is to determine compliance with FCC Part 18 limits.

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

No related submittal(s).

### Test Methodology

All measurements contained in this report were conducted with MP-5, FCC Methods of Measurements of Radio Noise Emissions from ISM Equipment, February 1986. All measurements were performed at Bay Area Compliance Laboratory Corporation. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

### Measurement Uncertainty:

| Item                              |              | Expanded Measurement uncertainty       |  |
|-----------------------------------|--------------|--|--|
| AC Power Line Conducted Emissions |              | 2.20 dB (k=2, 95% level of confidence) |  |
| Radiated emission                 | 30MHz~200MHz | Horizontal                             | 4.58 dB (k=2, 95% level of confidence) |
|                                   |              | Vertical                               | 4.59 dB (k=2, 95% level of confidence) |
|                                   | 200MHz~1 GHz | Horizontal                             | 4.83 dB (k=2, 95% level of confidence) |
|                                   |              | Vertical                               | 5.85 dB (k=2, 95% level of confidence) |
|                                   | 1 GHz~6 GHz  | Horizontal/Vertical                    | 4.08 dB (k=2, 95% level of confidence) |
|                                   | Above 6 GHz  | Horizontal/Vertical                    | 4.59 dB (k=2, 95% level of confidence) |
| Occupied Bandwidth                |              | ±0.5kHz                                |  |
| Temperature                       |              | ±1.0°C                                 |  |

## **Test Facility**

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F., West Wing, Third Phase of Wanli Industrial Building, Shihua Road, Futian Free Trade Zone, Shenzhen, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 382179, the FCC Designation No.: CN5001.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062B.

## **OPERATING CONDITION/TEST CONFIGURATION**

### **Justification**

The EUT was operated at maximum (continuous) RF output power. The loads consisted of water in a glass beaker in the amounts specified in the test procedure.

### **EUT Exercise Software**

No exercise software was used.

### **Special Accessories**

No special accessory was used.

### **Equipment Modifications**

No modifications were made to the EUT tested.

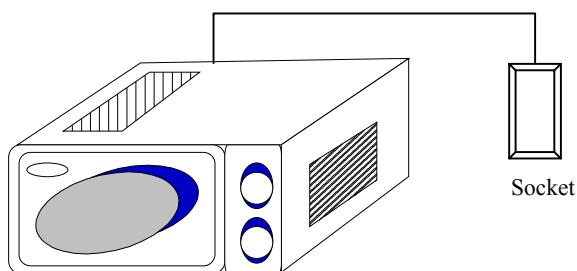
### **Support Equipment List and Details**

| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|-------|---------------|
| N/A          | Socket      | N/A   | 140217        |

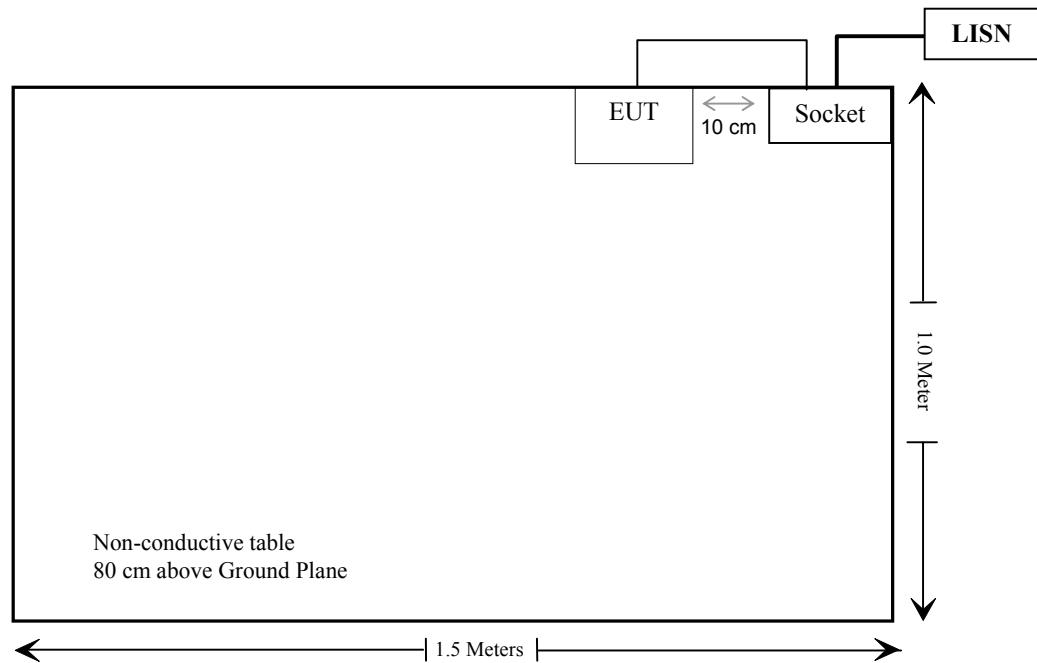
### **External Cable List and Details**

| Cable Description                   | Length (m) | From/Port | To     |
|-------------------------------------|------------|-----------|--------|
| Un-shielding Un-detachable AC Cable | 1.0        | LISN      | Socket |
| Un-shielding Un-detachable AC Cable | 0.8        | EUT       | Socket |

### **Configuration of Test Setup**



### Block Diagram of Test Setup



## TEST EQUIPMENT LIST

| Manufacturer                        | Description              | Model                 | Serial Number          | Calibration Date | Calibration Due Date |
|-------------------------------------|--------------------------|-----------------------|------------------------|------------------|----------------------|
| <b>CONDUCTED EMISSIONS</b>          |                          |                       |                        |                  |                      |
| Rohde & Schwarz                     | EMI Test Receiver        | ESCS30                | 100176                 | 2017-10-19       | 2018-10-19           |
| Rohde & Schwarz                     | LISN                     | ENV216                | 3560.6650.12-101613-Yb | 2017-12-07       | 2018-12-07           |
| Rohde & Schwarz                     | Transient Limiter        | ESH3Z2                | DE25985                | 2017-11-21       | 2018-05-19           |
| Rohde & Schwarz                     | CE Test software         | EMC 32                | V8.53.0                | NCR              | NCR                  |
| N/A                                 | Conducted Emission Cable | N/A                   | UF A210B-1-0720-504504 | 2017-11-12       | 2018-05-12           |
| <b>RADIATION HAZARD MEASUREMENT</b> |                          |                       |                        |                  |                      |
| Rohde & Schwarz                     | Signal Analyzer          | FSIQ26                | 8386001028             | 2017-04-24       | 2018-04-24           |
| GW Instek                           | Power Meter              | GPM 8212              | CL110034               | 2017-04-09       | 2018-04-09           |
| GW Instek                           | AC Power Meter           | GPM 8212              | CL110045               | 2017-04-09       | 2018-04-09           |
| MC                                  | Thermometer              | N/A                   | N/A                    | 2017-11-01       | 2018-11-01           |
| A.H.System                          | Horn Antenna             | 3115                  | 9903-5766              | NCR              | NCR                  |
| ETS                                 | Microwave Survey Meter   | 1501                  | N/A                    | NCR              | NCR                  |
| CAMRY                               | Electronic Weigher       | EK3820                | N/A                    | 2017-11-03       | 2018-11-02           |
| Ducommun technologies               | RF Cable                 | UFA210A-1-4724-30050U | MFR64369 223410-001    | 2017-11-21       | 2018-05-19           |
| Ducommun technologies               | RF Cable                 | 104PEA                | 218124002              | 2017-11-21       | 2018-05-19           |
| <b>RADIATED EMISSIONS</b>           |                          |                       |                        |                  |                      |
| HP                                  | Amplifier                | HP8447E               | 1937A01046             | 2017-11-21       | 2018-05-19           |
| Rohde & Schwarz                     | EMI Test Receiver        | ESCI                  | 101120                 | 2017-12-07       | 2018-12-07           |
| Sunol Sciences                      | Bi-log Antenna           | JB1                   | A040904-2              | 2017-12-17       | 2020-12-17           |
| A.H. System                         | Horn Antenna             | SAS-200/571           | 135                    | 2015-08-18       | 2018-08-17           |
| Rohde & Schwarz                     | Signal Analyzer          | FSIQ26                | 8386001028             | 2017-04-24       | 2018-04-24           |
| Mini                                | Pre-amplifier            | ZVA-183-S+            | 5969001149             | 2017-05-21       | 2018-05-21           |
| TDK                                 | Chamber                  | Chamber A             | 2#                     | 2016-12-05       | 2019-12-05           |
| TDK                                 | Chamber                  | Chamber B             | 1#                     | 2016-12-06       | 2019-12-06           |
| R&S                                 | Auto test Software       | EMC32                 | V9.10                  | NCR              | NCR                  |
| Ducommun technologies               | RF Cable                 | UFA210A-1-4724-30050U | MFR64369 223410-001    | 2017-11-21       | 2018-05-19           |
| Ducommun technologies               | RF Cable                 | 104PEA                | 218124002              | 2017-11-21       | 2018-05-19           |

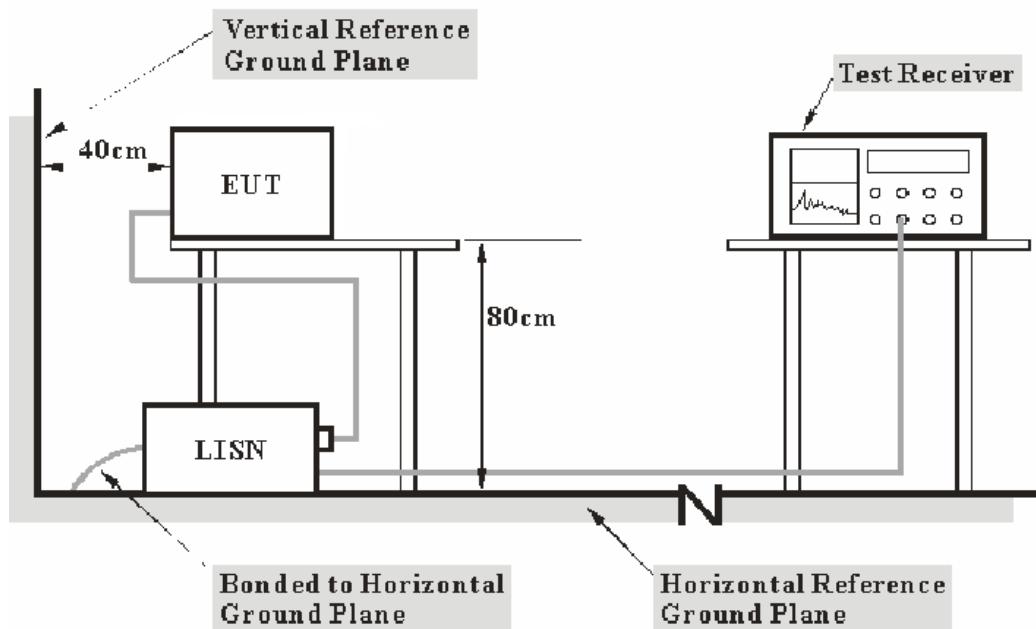
**\* Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

## CONDUCTED EMISSIONS

### Applicable Standard

FCC §18.307

### EUT Setup



**Note:** 1. Support units were connected to second LISN.  
2. Both of LISNs (AMIN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with MP-5: 1986 measurement procedure. Specification used was with the FCC Part 18.

The socket was connected to a 120 VAC/ 60Hz power source.

### EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz  |

## Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

## Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC PART 18.

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies with the limit if

$$L_m + U_{(Lm)} \leq L_{lim} + U_{cisp}$$

In BACL.,  $U_{(Lm)}$  is less than  $U_{cisp}$ , if  $L_m$  is less than  $L_{lim}$ , it implies that the EUT complies with the limit.

## Test Data

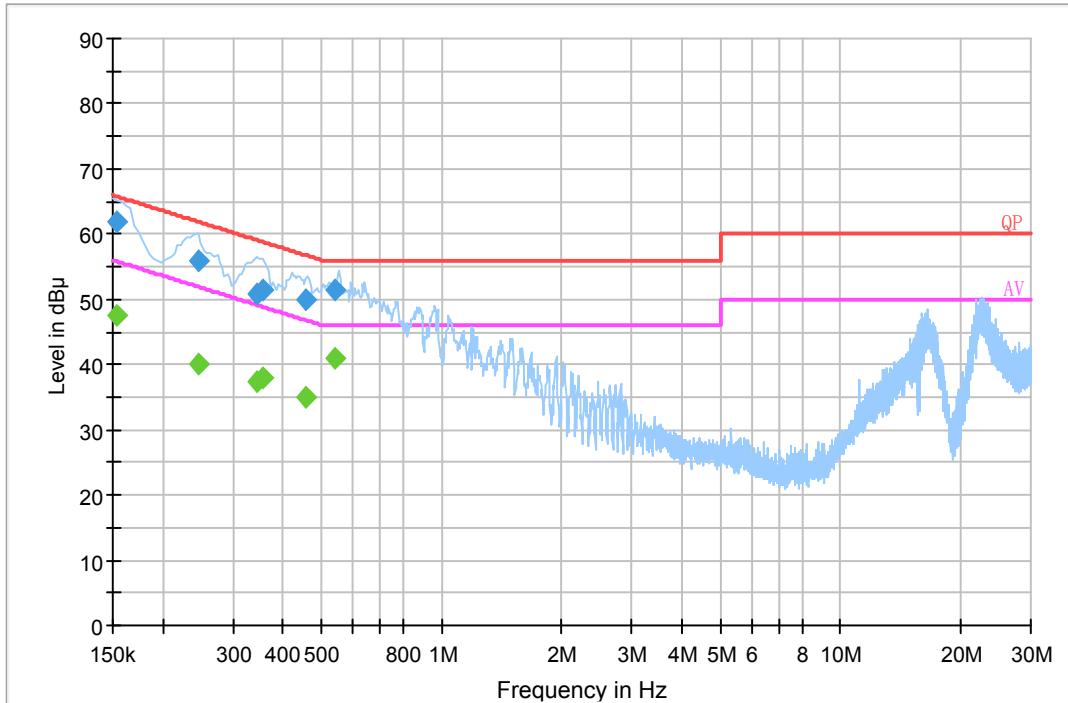
### Environmental Conditions

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 25 °C     |
| <b>Relative Humidity:</b> | 56 %      |
| <b>ATM Pressure:</b>      | 101.0 kPa |

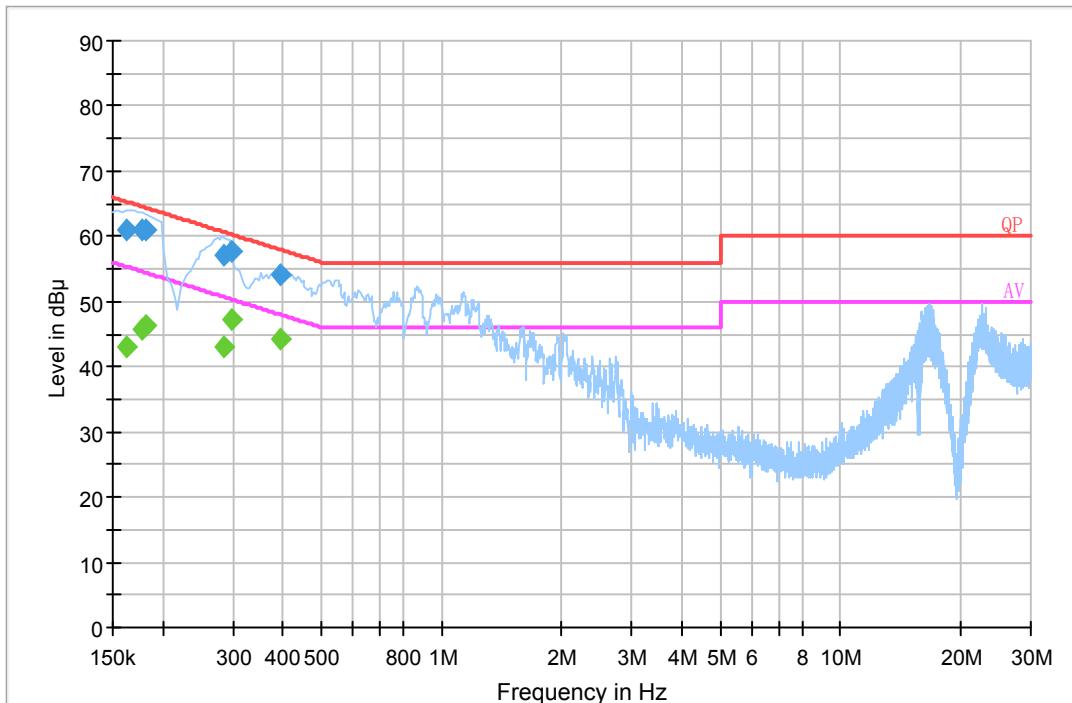
*The testing was performed by Moon Tan on 2017-12-20.*

*EUT operation mode: Boiling Water with MAX Power & Fan Maximum*

**AC 120V/60Hz, Line**



| Frequency (MHz) | Corrected Amplitude (dB $\mu$ V) | Corrected Factor (dB) | Limit (dB $\mu$ V) | Margin (dB) | Remark (PK/QP/Ave.) |
|-----------------|----------------------------------|-----------------------|--------------------|-------------|---------------------|
| 0.154000        | 62.0                             | 20.2                  | 65.8               | 3.8         | QP                  |
| 0.245500        | 55.9                             | 20.2                  | 61.9               | 6.0         | QP                  |
| 0.344810        | 50.9                             | 20.2                  | 59.1               | 8.2         | QP                  |
| 0.356630        | 51.4                             | 20.2                  | 58.8               | 7.4         | QP                  |
| 0.455070        | 50.1                             | 20.2                  | 56.8               | 6.7         | QP                  |
| 0.541750        | 51.5                             | 20.2                  | 56.0               | 4.5         | QP                  |
| 0.154000        | 47.6                             | 20.2                  | 55.8               | 8.2         | Ave.                |
| 0.245500        | 40.2                             | 20.2                  | 51.9               | 11.7        | Ave.                |
| 0.344810        | 37.5                             | 20.2                  | 49.1               | 11.6        | Ave.                |
| 0.356630        | 38.1                             | 20.2                  | 48.8               | 10.7        | Ave.                |
| 0.455070        | 35.0                             | 20.2                  | 46.8               | 11.8        | Ave.                |
| 0.541750        | 41.0                             | 20.2                  | 46.0               | 5.0         | Ave.                |

**AC 120V/60Hz, Neutral**

| Frequency (MHz) | Corrected Amplitude (dB $\mu$ V) | Corrected Factor (dB) | Limit (dB $\mu$ V) | Margin (dB) | Remark (PK/QP/Ave.) |
|-----------------|----------------------------------|-----------------------|--------------------|-------------|---------------------|
| 0.161500        | 61.0                             | 20.2                  | 65.4               | 4.4         | QP                  |
| 0.177500        | 60.9                             | 20.2                  | 64.6               | 3.7         | QP                  |
| 0.181500        | 61.1                             | 20.2                  | 64.4               | 3.3         | QP                  |
| 0.285500        | 57.1                             | 20.2                  | 60.7               | 3.6         | QP                  |
| 0.297500        | 57.8                             | 20.2                  | 60.3               | 2.5         | QP                  |
| 0.396090        | 54.2                             | 20.2                  | 57.9               | 3.7         | QP                  |
| 0.161500        | 43.1                             | 20.2                  | 55.4               | 12.3        | Ave.                |
| 0.177500        | 45.8                             | 20.2                  | 54.6               | 8.8         | Ave.                |
| 0.181500        | 46.3                             | 20.2                  | 54.4               | 8.1         | Ave.                |
| 0.285500        | 43.1                             | 20.2                  | 50.7               | 7.6         | Ave.                |
| 0.297500        | 47.3                             | 20.2                  | 50.3               | 3.0         | Ave.                |
| 0.396090        | 44.2                             | 20.2                  | 47.9               | 3.7         | Ave.                |

**Note:**

- 1) Corrected Amplitude = Reading + Correction Factor
- 2) Correction Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation
- 3) Margin = Limit – Corrected Amplitude

## RADIATION HAZARD MEASUREMENT

### Applicable Standard

FCC §18.301

### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 25 °C     |
| Relative Humidity: | 56 %      |
| ATM Pressure:      | 101.0 kPa |

*The testing was performed by Moon Tan on 2017-11-29.*

### Radiation Hazard Measurement

Radiation leakage was measured in the as-received condition with the oven door closed using a microwave leakage meter.

A 275 mL water load was placed in the center of the oven and the oven was operated at maximum output power.

There was no microwave leakage exceeding a power level of 0.1mW/cm<sup>2</sup> observed at any point 5 cm or more from the external surface of the oven.

A maximum of 1.0 mW/cm<sup>2</sup> is allowed in accordance with the applicable Federal Standards. Hence, microwave leakage in the as-received condition with the oven door closed was below the maximum allowed.

### Input Power

Input power and current was measured using a power analyzer. A 1000 mL water load was placed in the center of the oven and the oven was operated at maximum output power. A 1000mL water load was chosen for its compatibility with the procedure commonly used by manufacturers to determine their input ratings.

| Input Voltage<br>(V <sub>AC</sub> /Hz) | Input Current<br>(Amps) | Measured Input Power<br>(Watts) | Rated Input Power<br>(Watts) |
|--|-------------------------|---------------------------------|------------------------------|
| 120                                    | 10.47                   | 1256                            | 1200                         |

Note: Power after twenty minutes of stability

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

## Load for Microwave Ovens

For all measurements, the energy developed by the oven was absorbed by a dummy load consisting of a quantity of tap water in a beaker. If the oven was provided with a shelf or other utensil support, this support was in its initial normal position. For ovens rated at 1000 watts or less power output, the beaker contained quantities of water as listed in the following subparagraphs. For ovens rated at more than 1000 watts output, each quantity was increased by 50% for each 500watts or fraction thereof in excess of 1000 watts. Additional beakers were used if necessary.

- Load for power output measurement: 1000 milliliters of water in the beaker located in the center of the oven.
- Load for frequency measurement: 1000 milliliters of water in the beaker located in the center of the oven.
- 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.

## The RF output power is rated at 1000 watts

Load used for power output measurement = 1000 milliliters of water

Load used for frequency measurement = 1000 milliliters of water

Load used for harmonic measurement = 700 & 300 milliliters of water

Load used for other measurement = 700 milliliters of water

## RF Output Power Measurement

A cylindrical container of borosilicate glass is used for the test. It has a maximum thickness of 3 mm, an external diameter of approximately 190 mm and a height of approximately 90 mm. The mass of the container is determined.

At the start of the test, the oven and the empty container are at ambient temperature. Water having an initial temperature of  $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$  is used for the test. The water temperature is measured immediately before it is poured into the container.

A quantity of  $1\ 000\ \text{g} \pm 5\ \text{g}$  of water is added to the container and its actual mass obtained. The container is then immediately placed in the centre of the oven shelf, which is in its lowest normal position. The oven is operated and the time for the water temperature to attain  $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$  is measured. The oven is then switched off and the final water temperature is measured within 60 s.

| $m_w$<br>(g) | $m_c$<br>(g) | $T_0$<br>(°C) | $T_1$<br>(°C) | $T_2$<br>(°C) | $t$<br>(s) |
|--------------|--------------|---------------|---------------|---------------|------------|
| 1000         | 377.0        | 20            | 10.3          | 21.3          | 56         |

RF Output Power =  $(4.187 \times 1000 \times (21.3 - 10.3) + 0.55 \times 377 \times (21.3 - 20)) / 56 = 827.26$  Watts

$P$  is the microwave power output, in watts;

$m_w$  is the mass of the water, in grams;

$m_c$  is the mass of the container, in grams;

$T_0$  is the ambient temperature, in degrees Celsius;

$T_1$  is the initial temperature of the water, in degrees Celsius;

$T_2$  is the final temperature of the water, in degrees Celsius;

$t$  is the heating time, in seconds, excluding the magnetron filament heating-up time.

The measurement output power was found to be less than 500 watts. Therefore, in accordance with Section 18.305 of Subpart-C, the measured out-of-band emissions were compared to the limit of 25 $\mu$ V/meter at a 300-meter measurement distance.

The measured output power was found to exceed 500 watts. Therefore, in accordance with Section 18.305 of Subpart-C, the measured out-of-band emissions were compared with the limit calculated as following:

$$LFS = 25 * \text{SQRT}(\text{Power Output}/500)$$

$$LFS = 25 * \text{SQRT}(827.26/500)$$

$$LFS = 32.16$$

Where: LFS is the maximum allowable field strength for out-of-band emissions in  $\mu$ V/meter at a 300-meter measurement distance. Power Output is the measured output power in watts.

| LFS<br>$\mu$ V/m@300m | dB $\mu$ V/m@300m | dB $\mu$ V/m@3m |
|-----------------------|-------------------|-----------------|
| 32.16                 | 30.15             | 70.15           |

**Note:** Limit (dB $\mu$ V/m@3m) = Limit (dB $\mu$ V/m@300m) + 40(dB)

## Operating Frequency Measurement

### Variation in Operating Frequency with Time

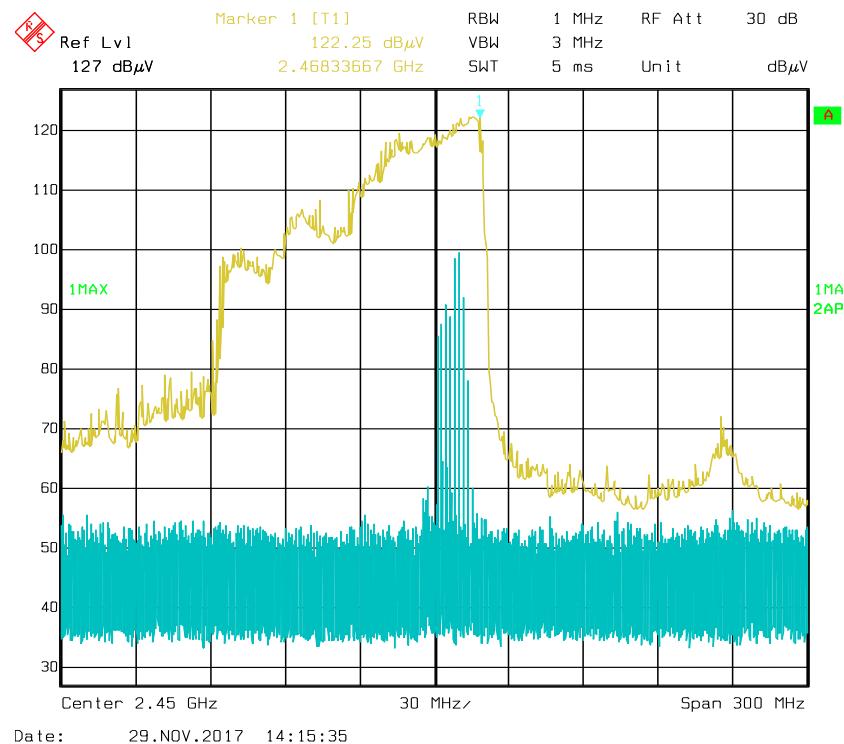
The operating frequency was measured using a spectrum analyzer. Starting with the EUT at room temperature, a 1000mL water load was placed in the center of the oven and the oven was operated at maximum output power. The fundamental operating frequency was monitored until the water load was reduced to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

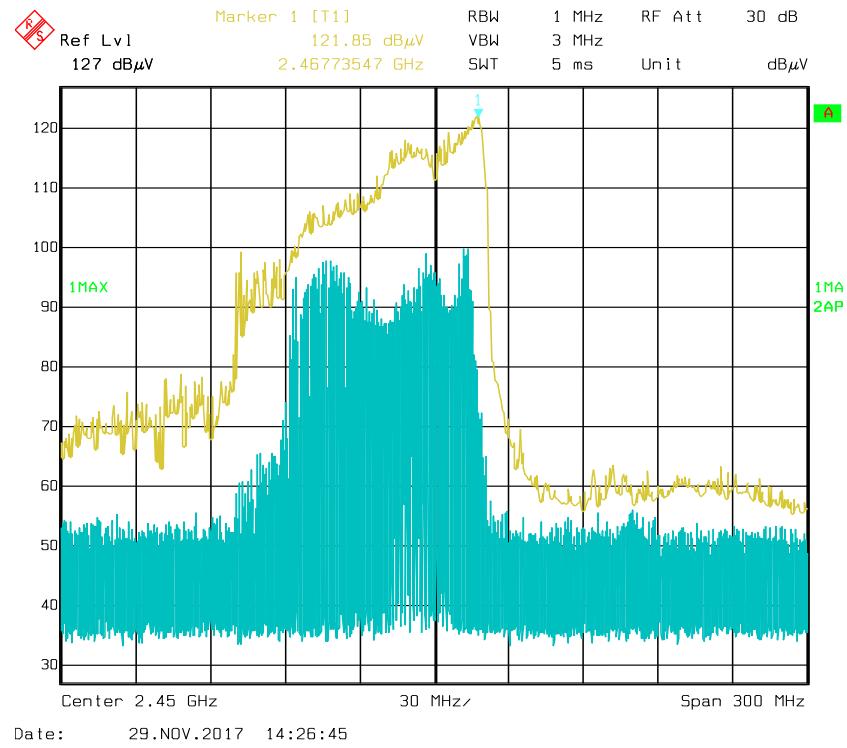
The results of this test are as follows:

| Frequency at Start time<br>(MHz) | Frequency at End time<br>(MHz) |
|----------------------------------|--------------------------------|
| 2468.34                          | 2467.74                        |

Refer to data pages for details of the variation in operating frequency with time measurement.

#### Start time:



**End time:****Variation in Operating Frequency with Line Voltage**

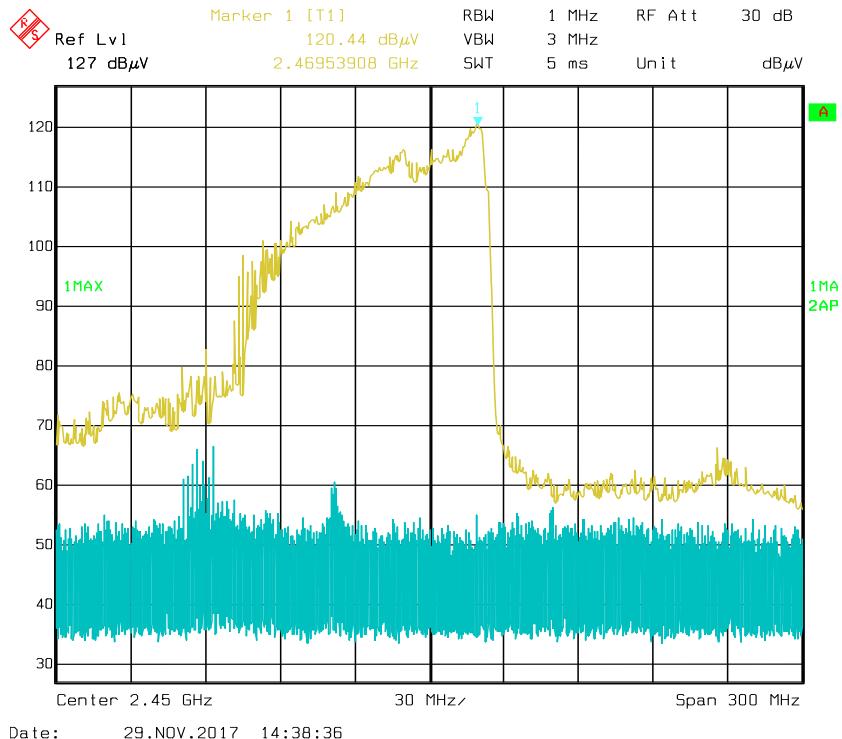
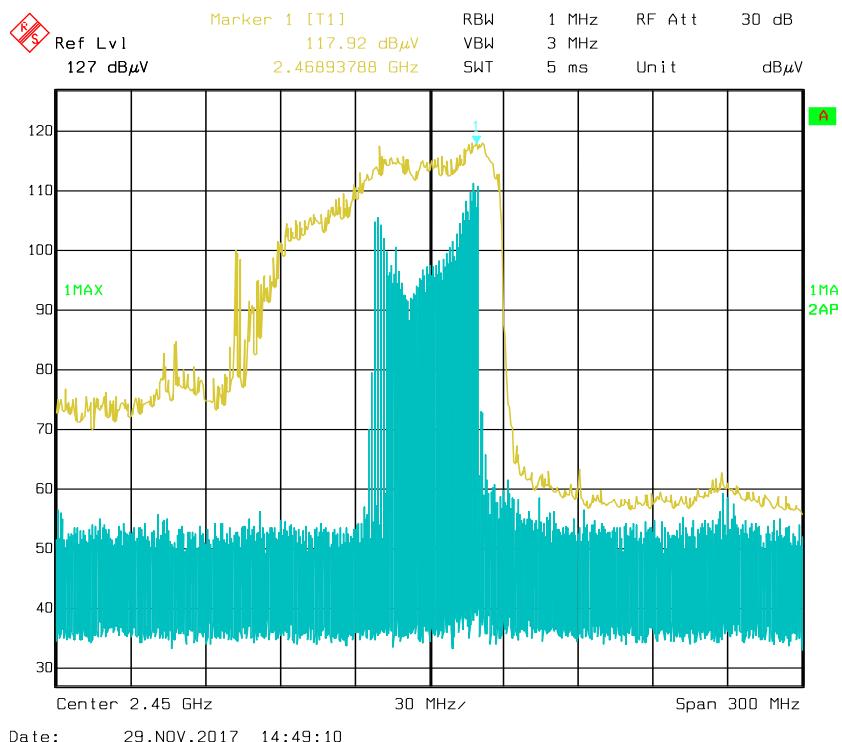
The EUT was operated / warmed by at least 10 minutes of use with a 1000 mL water load at room temperature at the beginning of the test. Then the operating frequency was monitored as the input voltage was varied between 80 and 125 percent of the nominal rating.

The results of this test are as follows:

Line voltage varied from 96 V<sub>AC</sub> to 150 V<sub>AC</sub>.

| (Low voltage) Frequency (MHz) | (High voltage) Frequency (MHz) |
|-------------------------------|--------------------------------|
| 2469.54                       | 2468.94                        |

Please refer to following pages for details of the variation in operating frequency with line voltage measurement.

**Low Voltage:****High Voltage:**

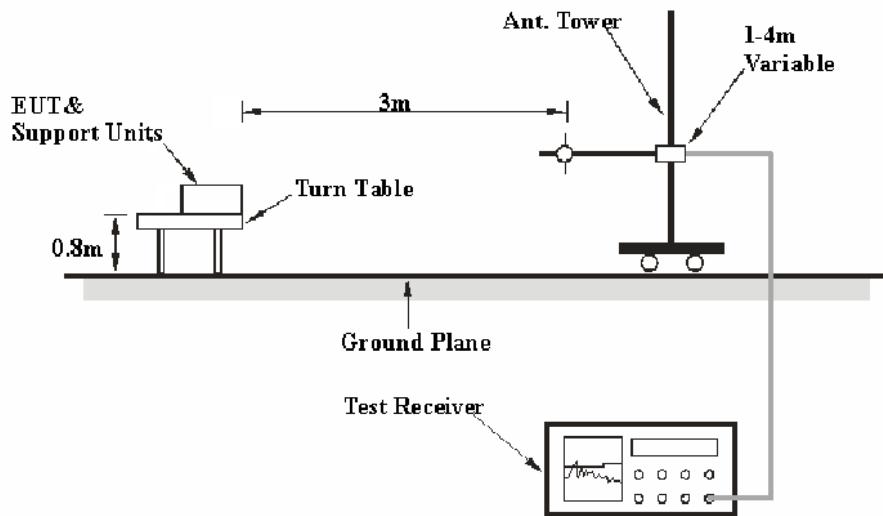
## RADIATED EMISSIONS

### Applicable Standard

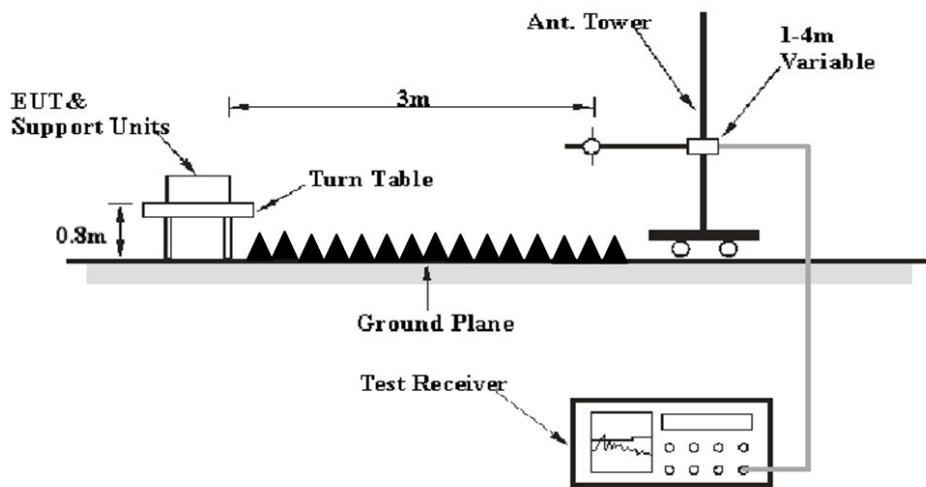
FCC §18.305 and FCC §18.309

### EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the FCC MP - 5. The specification used was the FCC part 18 limits.

The socket was connected to 120 VAC/60 Hz power source.

### EMI Test Receiver Setup and Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver and Spectrum Analyzer were set with the following configurations:

| Frequency Range  | RBW     | Video B/W | IF B/W | Measurement |
|------------------|---------|-----------|--------|-------------|
| 30MHz – 1000 MHz | 100 kHz | 300 kHz   | 120kHz | QP          |
| Above 1 GHz      | 1MHz    | 3 MHz     | /      | PK.         |
|                  | 1MHz    | 10 Hz     | /      | Ave.        |

### Test Procedure

Maximizing procedure was performed on the six (6) highest emissions to ensure that the EUT complied with all installation combinations.

The EUT was in the normal (naïve) operating mode during the final qualification test to represent the worst results.

### Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

## Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 18,

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies with the limit if

$$L_m + U_{(Lm)} \leq L_{lim} + U_{cisp}$$

In BACL.,  $U_{(Lm)}$  is less than  $U_{cisp}$ , if  $L_m$  is less than  $L_{lim}$ , it implies that the EUT complies with the limit.

## Test Data and Plots

### Environmental Conditions

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 25 °C     |
| <b>Relative Humidity:</b> | 56 %      |
| <b>ATM Pressure:</b>      | 101.0 kPa |

*The testing was performed by Moon Tan on 2017-12-20.*

*EUT Operation Mode: Boiling Water with MAX Power & Fan Maximum*

**30 MHz – 1 GHz:**

| Frequency (MHz) | Corrected Amplitude (dB $\mu$ V/m) | Detector (PK/QP) | Antenna height (cm) | Antenna Polarity | Turntable position (degree) | Correction Factor (dB/m) | Limit (dB $\mu$ V/m) | Margin (dB) |
|-----------------|------------------------------------|------------------|---------------------|------------------|-----------------------------|--------------------------|----------------------|-------------|
| 32.981175       | 32.76                              | QP               | 109.0               | V                | 122.0                       | -1.7                     | 70.15                | 37.39       |
| 46.600900       | 30.14                              | QP               | 108.0               | V                | 125.0                       | -10.2                    | 70.15                | 40.01       |
| 125.014450      | 28.67                              | QP               | 236.0               | H                | 28.0                        | -5.5                     | 70.15                | 41.48       |
| 133.440950      | 29.10                              | QP               | 318.0               | H                | 342.0                       | -4.9                     | 70.15                | 41.05       |
| 500.320275      | 38.44                              | QP               | 166.0               | H                | 357.0                       | 3.0                      | 70.15                | 31.71       |
| 875.581325      | 30.71                              | QP               | 170.0               | H                | 43.0                        | 9.4                      | 70.15                | 39.44       |

**Above 1 GHz:**

| Frequency (MHz) | Measuermnt           |            | Turntable Degree | Rx Antenna |               | Corrected Factor (dB/m) | Corrected Amplitude (dB $\mu$ V/m) | FCC Part 18          |             |
|-----------------|----------------------|------------|------------------|------------|---------------|-------------------------|------------------------------------|----------------------|-------------|
|                 | Reading (dB $\mu$ V) | PK/QP/Ave. |                  | Height (m) | Polar (H / V) |                         |                                    | Limit (dB $\mu$ V/m) | Margin (dB) |
| 8625.43         | 38.63                | Ave.       | 240              | 2.4        | V             | 14.07                   | 52.70                              | 70.15                | 17.45       |
| 8627.78         | 38.69                | Ave.       | 324              | 1.2        | H             | 14.07                   | 52.76                              | 70.15                | 17.39       |
| 4917.47         | 35.32                | Ave.       | 116              | 1.3        | H             | 6.21                    | 41.53                              | 70.15                | 28.62       |
| 4915.28         | 34.73                | Ave.       | 283              | 2.0        | V             | 6.21                    | 40.94                              | 70.15                | 29.21       |
| 2400.00         | 45.32                | Ave.       | 249              | 2.5        | H             | -0.88                   | 44.44                              | 70.15                | 25.71       |
| 2400.00         | 46.95                | Ave.       | 263              | 2.4        | V             | -0.88                   | 46.07                              | 70.15                | 24.08       |

**Note:**

- 1) Corrected Amplitude = Meter Reading + Correction Factor
- 2) Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain
- 3) Margin = Limit – Corrected Amplitude
- 4) The data below 20dB to the limit was not recorded.

\*\*\*\*\* END OF REPORT \*\*\*\*\*