


FCC PART 18 TEST REPORT

For

Whirlpool Microwave Products Development Limited.

16/F, Paliburg Plaza 68 Yee Woo Street, Causeway Bay, Hong Kong

FCC ID:PR4C55011Y1

| | |
|---|--|
| Report Type: Class II Permissive Change | Product Type: Microwave Oven |
| Report Number: RSZ190612551-00 | |
| Report Date: 2019-06-24 | |
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| Reviewed By: Lab Manager | |
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The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

| | |
|-----------------------------|---|
| Product | Microwave Oven |
| Model | YWML55011 |
| Voltage Range | AC 120V/60Hz |
| Measure | 76.2 cm (L) x 44.5 cm (W) x 26.0 cm (H) |
| Highest operating frequency | 2450 MHz |
| Microwave output power | 900 Watts |
| Input power | 1500 Watts |
| Date of Test | 2019-06-13 to 2019-06-21 |
| Sample serial number | 190612551 |
| Received date | 2019-06-12 |
| Sample/EUT Status | Good condition |

Objective

This report is prepared on behalf of *Whirlpool Microwave Products Development Limited.* 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.

This is a CIIPC application of the device, the difference between the original device and the current one described as following:

- (1) Changed the model number;
- (2) Main board layout is changed a little bit;
- (3) Hood Board was removed three relays;
- (4) LED display is different;
- (5) LED lamp rating power is different;
- (6) Removed the LED driver and cement resistor.

Based on the change made to the device, all the test items were performed.

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

| Parameter | | uncertainty |
|---------------------|------------|---------------------|
| Conducted Emissions | | $\pm 1.95\text{dB}$ |
| Radiated Emissions | Below 1GHz | $\pm 4.75\text{dB}$ |
| | Above 1GHz | $\pm 4.88\text{dB}$ |

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

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.: 342867, the FCC Designation No.: CN1221.

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.

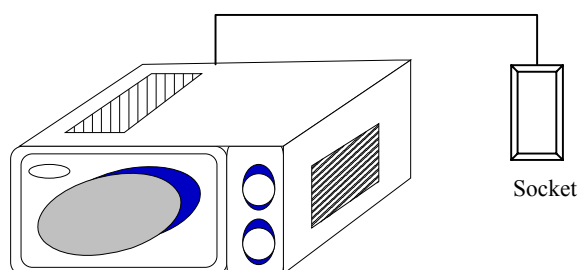
Support Equipment List and Details

| Manufacturer | Description | Model | Serial Number |
|--------------|-------------------|-------|---------------|
| N/A | Polypropylene Cup | N/A | N/A |

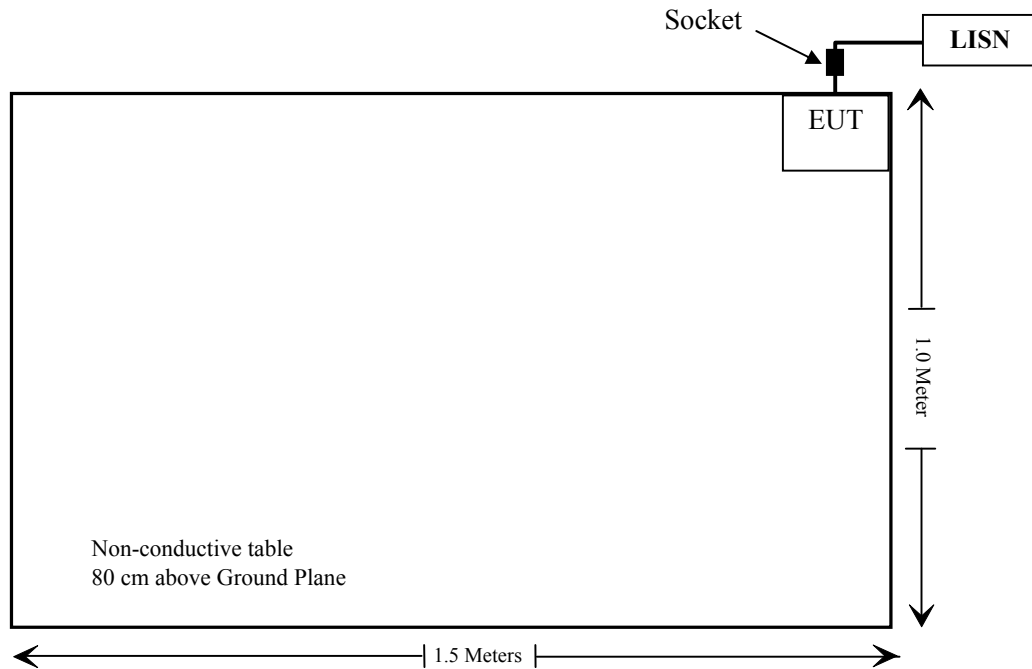
External Cable List and Details

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

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST RESULT

| FCC Rules | Description of Test | Results |
|--------------|------------------------------|------------|
| §18.307 | AC Line Conducted Emissions | Compliance |
| FCC/OST MP-5 | Radiation Hazard Measurement | Compliance |
| §18.305 | Field Strength | Compliance |

TEST EQUIPMENT LIST

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-------------------------------------|--------------------------|-----------------------|------------------------|------------------|----------------------|
| CONDUCTED EMISSIONS | | | | | |
| Rohde & Schwarz | EMI Test Receiver | ESCS30 | 100176 | 2018-07-11 | 2019-07-11 |
| Rohde & Schwarz | LISN | ENV216 | 3560.6650.12-101613-Yb | 2019-01-25 | 2020-01-25 |
| Rohde & Schwarz | Transient Limiter | ESH3Z2 | DE25985 | 2019-03-02 | 2020-03-02 |
| Rohde & Schwarz | CE Test software | EMC 32 | V8.53.0 | NCR | NCR |
| Unknown | Conducted Emission Cable | 78652 | UF A210B-1-0720-504504 | 2018-11-12 | 2019-11-12 |
| RADIATION HAZARD MEASUREMENT | | | | | |
| Rohde & Schwarz | Signal Analyzer | FSV40 | 101473 | 2019-01-09 | 2020-01-08 |
| GW Instek | Power Meter | GPM 8212 | CL110034 | 2019-04-09 | 2020-04-09 |
| GW Instek | AC Power Meter | GPM 8212 | CL110045 | 2019-04-09 | 2020-04-09 |
| MC | Thermometer | Unknown | Unknown | 2018-11-01 | 2019-11-01 |
| A.H.System | Horn Antenna | 3115 | 9903-5766 | NCR | NCR |
| ETS | Microwave Survery Meter | 1501 | Unknown | NCR | NCR |
| CAMRY | Electronic Weighed | EK3820 | Unknown | 2018-11-03 | 2019-11-02 |
| Ducommun technologies | RF Cable | UFA210A-1-4724-30050U | MFR64369 223410-001 | 2018-11-12 | 2019-11-12 |
| Ducommun technologies | RF Cable | 104PEA | 218124002 | 2018-11-12 | 2019-11-12 |

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------------------|--------------------|-----------------------|----------------------------|------------------|----------------------|
| RADIATED EMISSIONS | | | | | |
| Sonoma Instrument | Amplifier | 310N | 186238 | 2018-11-12 | 2019-11-12 |
| Rohde & Schwarz | EMI Test Receiver | ESR | 1316.3003K03 -101746-zn | 2018-07-11 | 2019-07-11 |
| Sunol Sciences | Broadband Antenna | JB1 | A040904-1 | 2017-12-22 | 2020-12-21 |
| A.H.System | Horn Antenna | SAS-200/571 | 135 | 2018-09-01 | 2021-08-31 |
| Rohde & Schwarz | Signal Analyzer | FSV40 | 101473 | 2019-01-09 | 2020-01-08 |
| COM-POWER | Pre-amplifier | PA-122 | 181919 | 2018-11-12 | 2019-11-12 |
| TDK | Chamber | Chamber A | 2# | 2018-09-20 | 2021-09-19 |
| TDK | Chamber | Chamber B | 1# | 2018-09-20 | 2021-09-19 |
| R&S | Auto test Software | EMC32 | V9.10 | NCR | NCR |
| Agilent | Spectrum Analyzer | 8564E | 3943A01781 | 2019-03-02 | 2020-03-02 |
| the electro-Mechanics Co. | Horn Antenna | 3116 | 9510-2270 | 2018-10-14 | 2021-10-14 |
| Heatsink Required | Amplifier | QLW-18405536-J0 | 15964001002 | 2018-11-12 | 2019-11-12 |
| IW MICROWAVE | RF Cable | 2PS-1401-2760-2ps | SN 03 | 2018-11-12 | 2019-11-12 |
| Ducommun technologies | RF Cable | UFA210A-1-4724-30050U | MFR64369 223410-001 | 2018-11-12 | 2019-11-12 |
| Ducommun technologies | RF Cable | 104PEA | 218124002 | 2018-11-12 | 2019-11-12 |

* **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).

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

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

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

Test Data

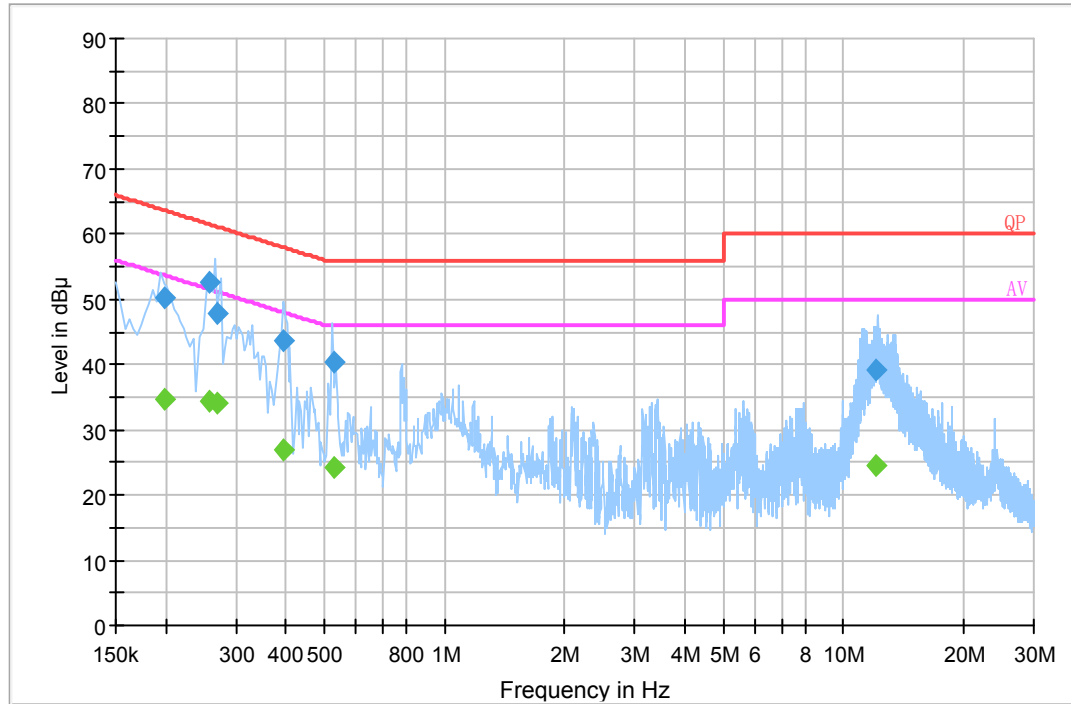
Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 25 °C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

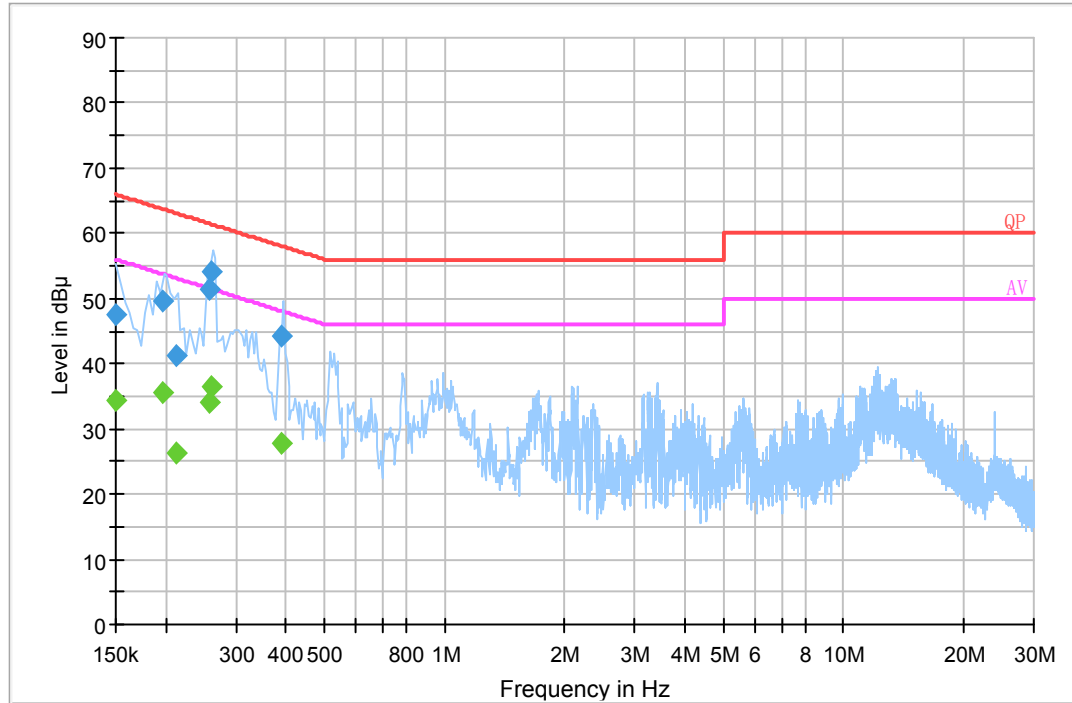
The testing was performed by Haiguo Li on 2019-06-21.

EUT operation mode: 1000mL Water in center of microwave oven with Maximum Power on

AC 120V/60Hz, Line



| Frequency (MHz) | Corrected Amplitude (dBμV) | Corrected Factor (dB) | Limit (dBμV) | Margin (dB) | Remark (PK/QP/Ave.) |
|-----------------|----------------------------|-----------------------|--------------|-------------|---------------------|
| 0.198500 | 50.2 | 19.8 | 63.7 | 13.5 | QP |
| 0.258500 | 52.6 | 19.8 | 61.5 | 8.8 | QP |
| 0.269500 | 47.8 | 19.8 | 61.1 | 13.3 | QP |
| 0.396090 | 43.6 | 19.9 | 57.9 | 14.3 | QP |
| 0.526170 | 40.5 | 19.8 | 56.0 | 15.5 | QP |
| 12.063030 | 39.1 | 20.0 | 60.0 | 20.9 | QP |
| 0.198500 | 34.8 | 19.8 | 53.7 | 18.8 | Ave. |
| 0.258500 | 34.5 | 19.8 | 51.5 | 17.0 | Ave. |
| 0.269500 | 34.0 | 19.8 | 51.1 | 17.2 | Ave. |
| 0.396090 | 26.8 | 19.9 | 47.9 | 21.1 | Ave. |
| 0.526170 | 24.1 | 19.8 | 46.0 | 21.9 | Ave. |
| 12.063030 | 24.5 | 20.0 | 50.0 | 25.5 | Ave. |

AC 120V/60Hz, Neutral

| Frequency (MHz) | Corrected Amplitude (dBμV) | Corrected Factor (dB) | Limit (dBμV) | Margin (dB) | Remark (PK/QP/Ave.) |
|-----------------|----------------------------|-----------------------|--------------|-------------|---------------------|
| 0.150000 | 47.5 | 19.8 | 66.0 | 18.5 | QP |
| 0.197500 | 49.7 | 19.8 | 63.7 | 14.0 | QP |
| 0.213500 | 41.1 | 19.8 | 63.1 | 21.9 | QP |
| 0.257500 | 51.3 | 19.8 | 61.5 | 10.2 | QP |
| 0.261500 | 54.1 | 19.8 | 61.4 | 7.3 | QP |
| 0.392090 | 44.2 | 19.8 | 58.0 | 13.8 | QP |
| 0.150000 | 34.3 | 19.8 | 56.0 | 21.7 | Ave. |
| 0.197500 | 35.6 | 19.8 | 53.7 | 18.1 | Ave. |
| 0.213500 | 26.2 | 19.8 | 53.1 | 26.9 | Ave. |
| 0.257500 | 34.2 | 19.8 | 51.5 | 17.3 | Ave. |
| 0.261500 | 36.6 | 19.8 | 51.4 | 14.8 | Ave. |
| 0.392090 | 27.7 | 19.8 | 48.0 | 20.3 | 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: | 50 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Joson Xiao and Alan He on 2019-06-13.

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/cm² observed at any point 5 cm or more from the external surface of the oven.

A maximum of 1.0 mW/cm² 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 (V _{AC} /Hz) | Input Current (Amps) | Measured Input Power (Watts) | Rated Input Power (Watts) |
|--|-------------------------|---------------------------------|------------------------------|
| 120.0 | 12.7 | 1524 | 1500 |

☒ 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.

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 $10\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ is used for the test. The water temperature is measured immediately before it is poured into the container.

A quantity of $1000\text{ g} \pm 5\text{ g}$ 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 $20\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ is measured. The oven is then switched off and the final water temperature is measured within 60 s.

| m_w (g) | m_c (g) | T_0 ($^{\circ}\text{C}$) | T_1 ($^{\circ}\text{C}$) | T_2 ($^{\circ}\text{C}$) | t (s) |
|--------------|--------------|---------------------------------|---------------------------------|---------------------------------|------------|
| 1000 | 377.0 | 25 | 10.1 | 20.7 | 48 |

RF Output Power = $(4.187 \times \underline{1000} \times (\underline{20.7} - \underline{10.1}) + 0.55 \times \underline{377.0} \times (\underline{20.7} - \underline{25})) / \underline{48} = \underline{906.05}$ 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 μV /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:

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

$$\text{LFS} = 25 * \text{SQRT} (906.05/500)$$

$$\text{LFS} = \underline{33.65}$$

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

| LFS $\mu\text{V}/\text{m}@300\text{m}$ | $\text{dB}\mu\text{V}/\text{m}@300\text{m}$ | $\text{dB}\mu\text{V}/\text{m}@3\text{m}$ |
|---|---|---|
| 33.65 | 30.54 | 70.54 |

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

Operating Frequency Measurement

Variation in Operating Frequency with Time

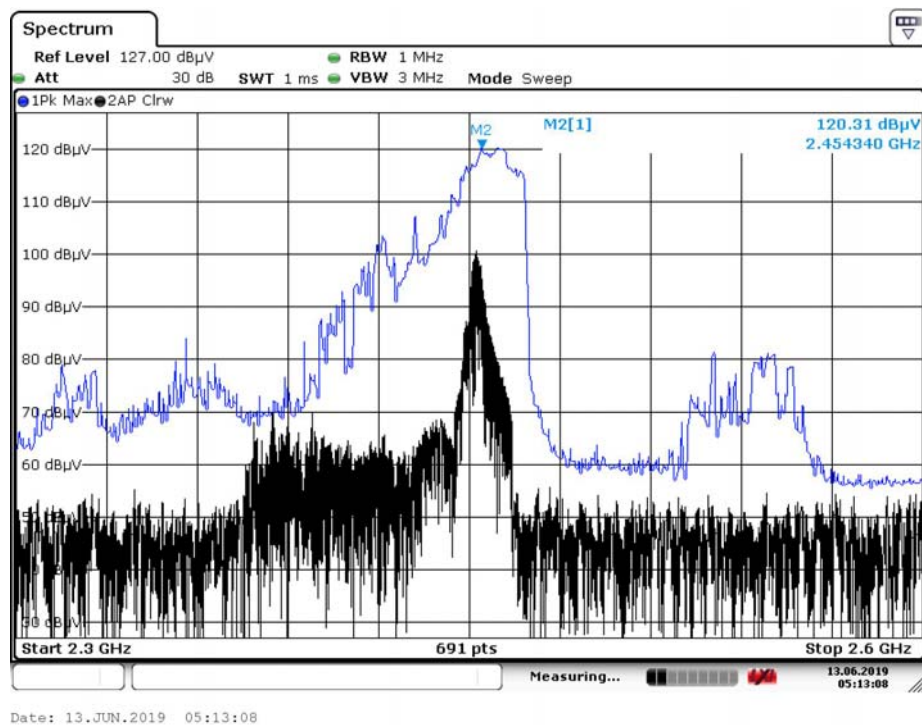
The operating frequency was measured using a spectrum analyzer. Starting with the EUT at room temperature, a 1000mL water load was placed in the center of the oven and the oven was operated at maximum output power. The fundamental operating frequency was monitored until the water load was reduced to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

The results of this test are as follows:

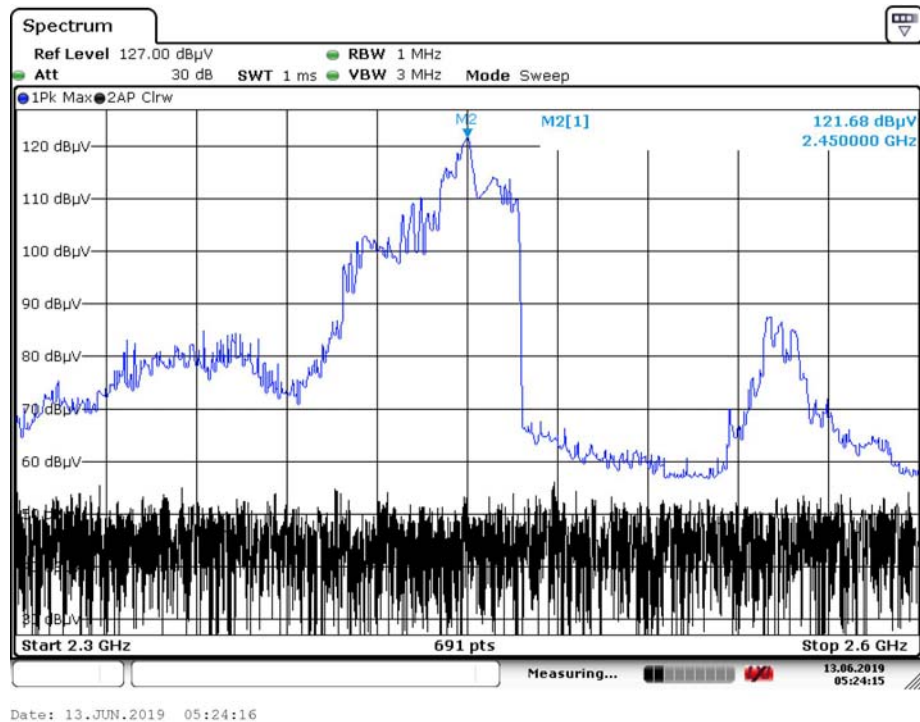
| Frequency at Start time (MHz) | Frequency at End time (MHz) |
|----------------------------------|--------------------------------|
| 2454.34 | 2450.0 |

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

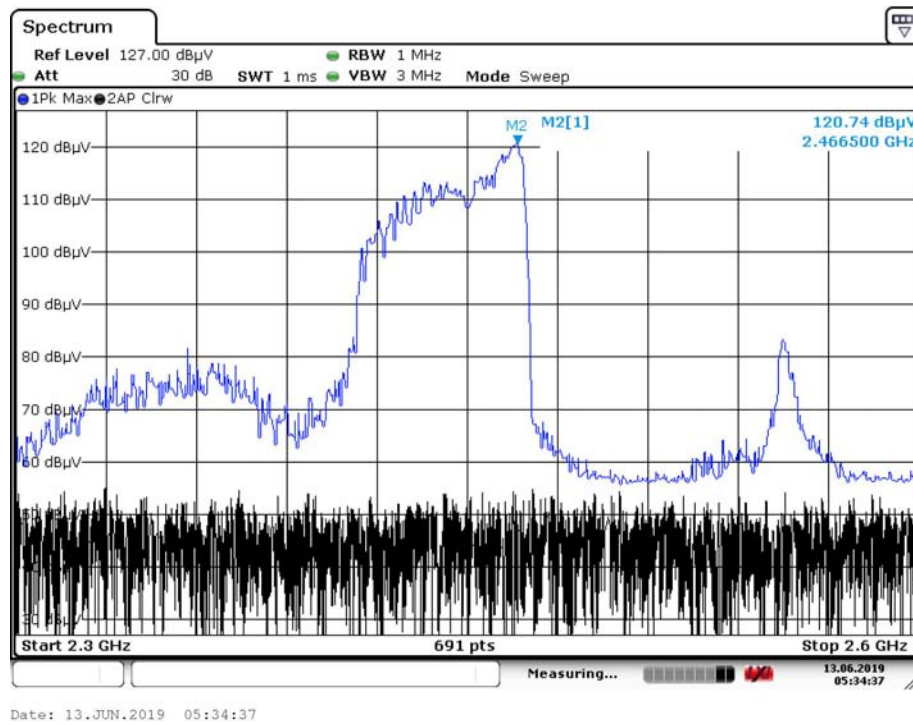
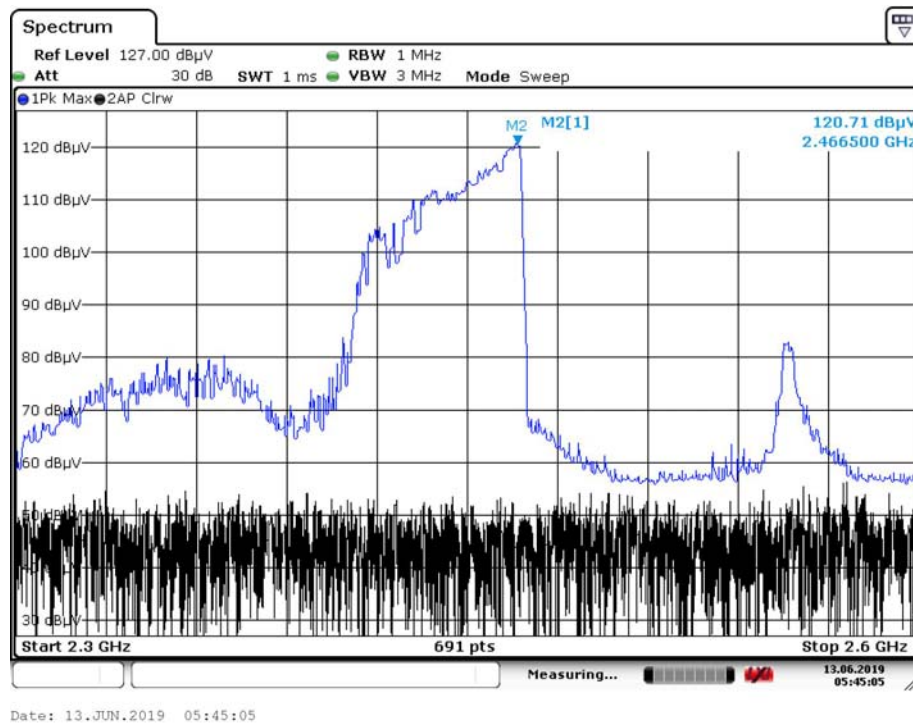
The EUT was operated / warmed by at least 10 minutes of use with a 1000 mL water load at room temperature at the beginning of the test. Then the operating frequency was monitored as the input voltage was varied between 80 and 125 percent of the nominal rating.

The results of this test are as follows:

Line voltage varied from 96 V_{AC} to 150 V_{AC}.

| (Low voltage) Frequency (MHz) | (High voltage) Frequency (MHz) |
|-------------------------------|--------------------------------|
| 2466.5 | 2466.5 |

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

Low Voltage:**High Voltage:**

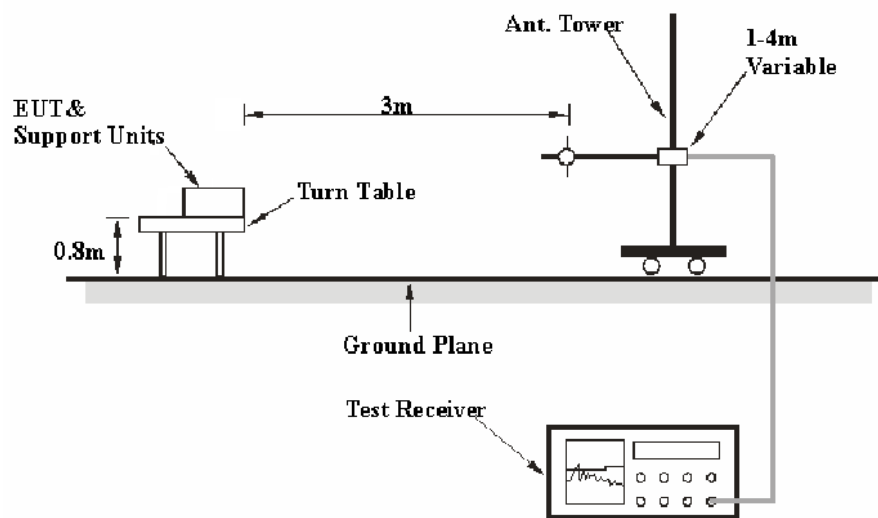
RADIATED EMISSIONS

Applicable Standard

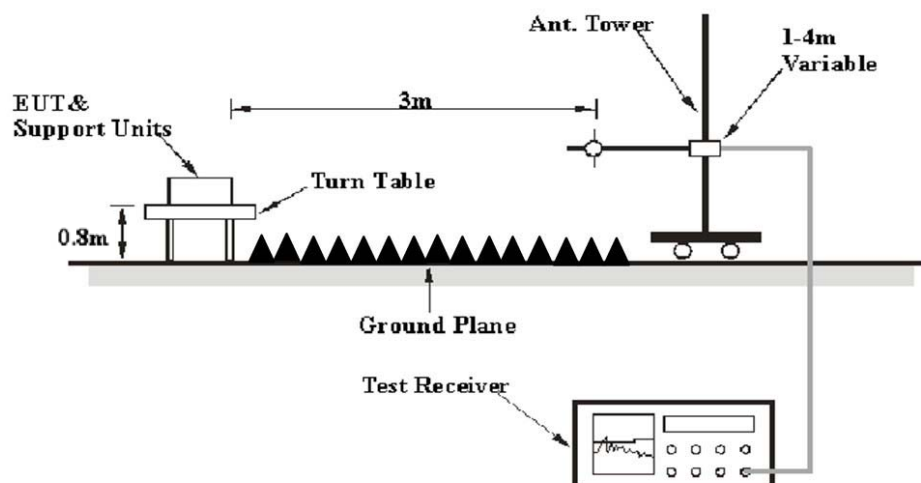
FCC §18.305 and FCC §18.309

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

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

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

Test Data and Plots

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 25 °C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Joson Xiao and Alan He on 2019-06-15.

30 MHz – 1 GHz: (1000mL Water in center of microwave oven with Maximum Power on)

| Frequency (MHz) | Corrected Amplitude (dBμV/m) | PK/QP | Antenna height (cm) | Antenna Polarity | Turntable position (degree) | Correction Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|------------------------------|-------|---------------------|------------------|-----------------------------|--------------------------|----------------|-------------|
| 91.884550 | 23.45 | QP | 400.0 | H | 306.0 | -18.7 | 70.54 | 47.09 |
| 121.610950 | 34.20 | QP | 248.0 | H | 20.0 | -14.2 | 70.54 | 36.34 |
| 122.986400 | 34.72 | QP | 240.0 | H | 342.0 | -14.1 | 70.54 | 35.82 |
| 138.269775 | 25.26 | QP | 365.0 | V | 173.0 | -14.1 | 70.54 | 45.28 |
| 840.794825 | 28.82 | QP | 286.0 | V | 214.0 | 6.0 | 70.54 | 41.72 |
| 939.965325 | 29.99 | QP | 258.0 | H | 80.0 | 8.8 | 70.54 | 40.55 |

1-25 GHz:

For Band edge and spurious emissions:

| Frequency (MHz) | Measurement | | Turntable Degree | Rx Antenna | | Corrected Factor (dB/m) | Corrected Amplitude (dB μ V/m) | FCC Part 18 | |
|-----------------|----------------------|------------|------------------|------------|---------------|-------------------------|------------------------------------|----------------------|-------------|
| | Reading (dB μ V) | PK/QP/Ave. | | Height (m) | Polar (H / V) | | | Limit (dB μ V/m) | Margin (dB) |
| 2368.75 | 23.12 | Ave. | 352 | 1.5 | H | 31.87 | 54.99 | 70.54 | 15.55 |
| 2368.75 | 21.53 | Ave. | 352 | 1.5 | V | 31.87 | 53.4 | 70.54 | 17.14 |
| 2501.20 | 22.51 | Ave. | 253 | 1.5 | H | 32.13 | 54.64 | 70.54 | 15.9 |
| 2501.20 | 20.93 | Ave. | 253 | 1.5 | V | 32.13 | 53.06 | 70.54 | 17.48 |

For Second and Third Harmonics:

| Frequency (MHz) | Measurement | | Turntable Degree | Rx Antenna | | Corrected Factor (dB/m) | Corrected Amplitude (dBμV/m) | FCC Part 18 | |
|-----------------------|-------------------|------------|---------------------|---------------|------------------|-------------------------------|------------------------------------|-------------------|----------------|
| | Reading (dBμV) | PK/QP/Ave. | | Height (m) | Polar (H / V) | | | Limit (dBμV/m) | Margin (dB) |
| 700mL water in center | | | | | | | | | |
| 4931.82 | 31.58 | Ave. | 329 | 2.4 | H | 6.76 | 38.34 | 70.54 | 32.2 |
| 4931.82 | 35.46 | Ave. | 329 | 2.4 | V | 6.76 | 42.22 | 70.54 | 28.32 |
| 7362.00 | 29.51 | Ave. | 253 | 1.5 | H | 12.29 | 41.8 | 70.54 | 28.74 |
| 7362.00 | 30.93 | Ave. | 253 | 1.5 | V | 12.29 | 43.22 | 70.54 | 27.32 |
| 300mL water in center | | | | | | | | | |
| 4935.63 | 32.31 | Ave. | 256 | 1.6 | H | 6.76 | 39.07 | 70.54 | 31.47 |
| 4935.63 | 33.65 | Ave. | 110 | 15 | V | 6.76 | 40.41 | 70.54 | 30.13 |
| 7358.20 | 30.25 | Ave. | 258 | 1.8 | H | 12.29 | 42.54 | 70.54 | 28 |
| 7358.20 | 32.45 | Ave. | 320 | 1.5 | V | 12.29 | 44.74 | 70.54 | 25.8 |

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 *******