



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: PR4C55011X1

Report Type: Product Type:

Class II Permissive Change Microwave Oven

Report Number: RSZ181109557-00

Report Date: 2018-11-27

Xiangguang Kong

Reviewed By: Engineer

Prepared By: Bay Area Compliance Laboratories Corp. (Shenzhen)

6/F., West Wing, Third Phase of Wanli Industrial Building, Shihua Road, Futian Free Trade Zone,

Xiangguang . Kong

Shenzhen, Guangdong, China Tel: +86-755-33320018

Fax: +86-755-33320018 www.baclcorp.com.cn

Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA* or any agency of the Federal Government. * This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "*"

TABLE OF CONTENTS

| GENERAL INFORMATION | 3 |
|---|----|
| PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) | 3 |
| OBJECTIVE | |
| RELATED SUBMITTAL(S)/GRANT(S) | |
| TEST METHODOLOGY | |
| MEASUREMENT UNCERTAINTY | |
| TEST FACILITY | 4 |
| OPERATING CONDITION/TEST CONFIGURATION | 5 |
| JUSTIFICATION | 5 |
| EUT Exercise Software | |
| SPECIAL ACCESSORIES | |
| EQUIPMENT MODIFICATIONS | |
| SUPPORT EQUIPMENT LIST AND DETAILS | 5 |
| EXTERNAL CABLE LIST AND DETAILS | |
| CONFIGURATION OF TEST SETUP | |
| BLOCK DIAGRAM OF TEST SETUP | 6 |
| TEST EQUIPMENT LIST | 7 |
| CONDUCTED EMISSIONS | 9 |
| APPLICABLE STANDARD | Q |
| EUT SETUP. | |
| EMI TEST RECEIVER SETUP | |
| TEST PROCEDURE | |
| TEST RESULTS SUMMARY | 10 |
| TEST DATA | 10 |
| RADIATION HAZARD MEASUREMENT | 13 |
| APPLICABLE STANDARD | 13 |
| ENVIRONMENTAL CONDITIONS | |
| RADIATION HAZARD MEASUREMENT | |
| INPUT POWER | 13 |
| LOAD FOR MICROWAVE OVENS | 14 |
| RF OUTPUT POWER MEASUREMENT | |
| OPERATING FREQUENCY MEASUREMENT | 15 |
| RADIATED EMISSIONS | |
| APPLICABLE STANDARD | 19 |
| EUT SETUP | 19 |
| EMI TEST RECEIVER SETUP AND SPECTRUM ANALYZER SETUP | |
| TEST PROCEDURE | |
| CORRECTED AMPLITUDE & MARGIN CALCULATION | |
| TEST RESULTS SUMMARY | 20 |
| LUCTULATA AND DIOTO | 21 |

Report No.: RSZ181109557-00

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The Whirlpool Microwave Products Development Limited.'s product, model number: WML75011 (FCC ID: PR4C55011X1) or the "EUT" in this report is a Microwave Oven, which was measured approximately: 76.0 cm (L) x 46.0 cm (W) x 26.0 cm (H), the input power is AC 120V/60Hz. The highest operating frequency is 2450 MHz.

Report No.: RSZ181109557-00

*All measurement and test data in this report was gathered from production sample serial number: 181109557 (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2018-11-09.

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 base on the original report RSZ171012551-00 with FCC ID: PR4C55011X1 which was granted on 2017-11-30, the differences between the original device and the current one are as follows:

- 1. Changing the high voltage transformer to "W-1000(A)";
- 2. Changing the product model number to "WML75011";
- 3. The LED driver is integrated to the PCB.
- 4. Changing the appearance color;
- 5. Changing the schematic.

For the changes are 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.

FCC Part 18 Page 3 of 22

Measurement Uncertainty

| | Item | Expanded Measurement uncertainty | |
|-----------------------------------|---|----------------------------------|--|
| AC Power Line Conducted Emissions | | | 2.20 dB (k=2, 95% level of confidence) |
| | 30MHz~200MHz | Horizontal | 4.58 dB (k=2, 95% level of confidence) |
| | 30MHZ~200MHZ | Vertical | 4.59 dB (k=2, 95% level of confidence) |
| D - 11-4 - 1 1 | ated emission 200MHz~1 GHz 1 GHz~6 GHz | Horizontal | 4.83 dB (k=2, 95% level of confidence) |
| Radiated emission | | Vertical | 5.85 dB (k=2, 95% level of confidence) |
| | | 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 | |

Report No.: RSZ181109557-00

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.

FCC Part 18 Page 4 of 22

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.

Report No.: RSZ181109557-00

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.

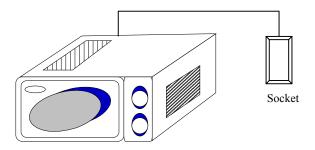
Support Equipment List and Details

| Manufacturer | anufacturer Description Model | | Serial Number |
|--------------|-------------------------------|---------|---------------|
| BULL | Socket | GN-415K | 140217 |

External Cable List and Details

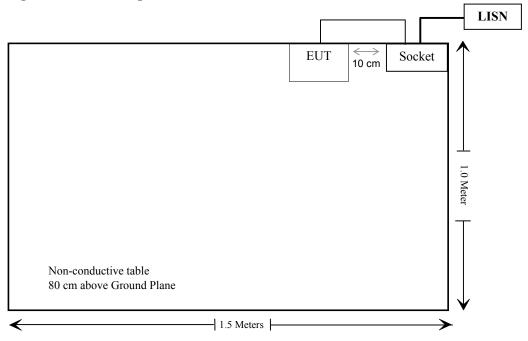
| Cable Description | Length (m) | From/Port | To |
|-------------------------------------|------------|-----------|--------|
| Un-shielding Un-detachable AC Cable | 0.8 | EUT | Socket |
| Un-shielding Un-detachable AC Cable | 1.0 | LISN | Socket |

Configuration of Test Setup



FCC Part 18 Page 5 of 22

Block Diagram of Test Setup



FCC Part 18 Page 6 of 22

TEST EQUIPMENT LIST

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------------------|-----------------------------|---------------------------|----------------------------|---------------------|-------------------------|
| | CON | DUCTED EMISS | IONS | | |
| Rohde & Schwarz | EMI Test Receiver | ESCS30 | 100176 | 2018-07-11 | 2019-07-11 |
| Rohde & Schwarz | LISN | ENV216 | 3560.6650.12- 101613-Yb | 2017-12-21 | 2018-12-21 |
| Rohde & Schwarz | Transient Limiter | ESH3Z2 | DE25985 | 2018-11-21 | 2019-05-12 |
| Rohde & Schwarz | CE Test software | EMC 32 | V8.53.0 | NCR | NCR |
| Un-known | Conducted Emission Cable | 78652 | UF A210B-1- 0720-504504 | 2018-11-12 | 2019-05-12 |
| | RADIATIO | N HAZARD MEAS | SUREMENT | | |
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2018-04-24 | 2019-04-24 |
| GW Instek | Power Meter | GPM 8212 | CL110034 | 2018-04-09 | 2019-04-09 |
| GW Instek | AC Power Meter | GPM 8212 | CL110045 | 2018-04-09 | 2019-04-09 |
| MC | Thermometer | N/A | N/A | 2018-11-01 | 2019-11-01 |
| A.H.System | Horn Antenna | 3115 | 9903-5766 | NCR | NCR |
| ETS | Microwave Survery Meter | 1501 | N/A | NCR | NCR |
| CAMRY | Electronic Weighed | EK3820 | N/A | 2018-11-02 | 2019-11-02 |
| Ducommun technologies | RF Cable | UFA210A-1- 4724-30050U | MFR64369 223410-001 | 2018-11-19 | 2019-05-21 |
| Ducommun technologies | RF Cable | 104PEA | 218124002 | 2018-11-19 | 2019-05-21 |

Report No.: RSZ181109557-00

FCC Part 18 Page 7 of 22

Report No.: RSZ181109557-00

FCC Part 18 Page 8 of 22

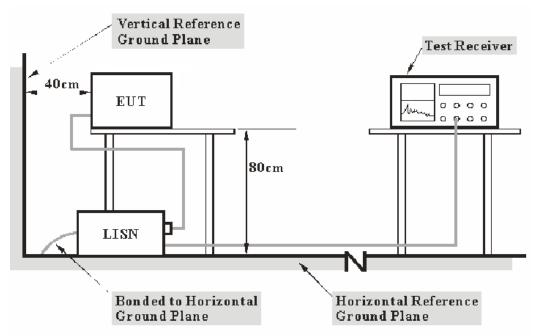
^{*} **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

CONDUCTED EMISSIONS

Applicable Standard

FCC §18.307

EUT Setup



Report No.: RSZ181109557-00

Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) 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 |

FCC Part 18 Page 9 of 22

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

$$L_{\rm m} + U_{(L{\rm m})} \leq L_{\rm lim} + U_{\rm cispr}$$

Report No.: RSZ181109557-00

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

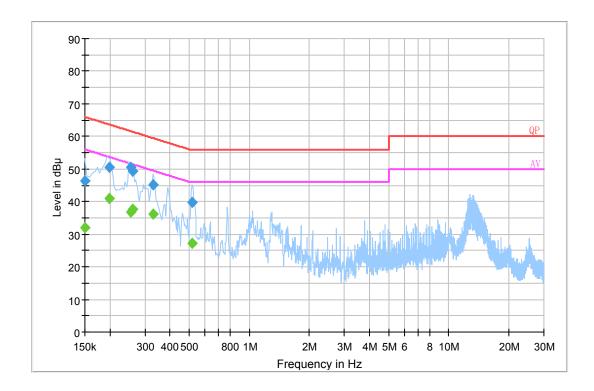
| Temperature: | 25 ℃ |
|--------------------|-----------|
| Relative Humidity: | 52 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Haiguo Li on 2018-11-22.

FCC Part 18 Page 10 of 22

EUT operation mode: Boiling Water with MAX Power

AC 120V/60Hz, Line

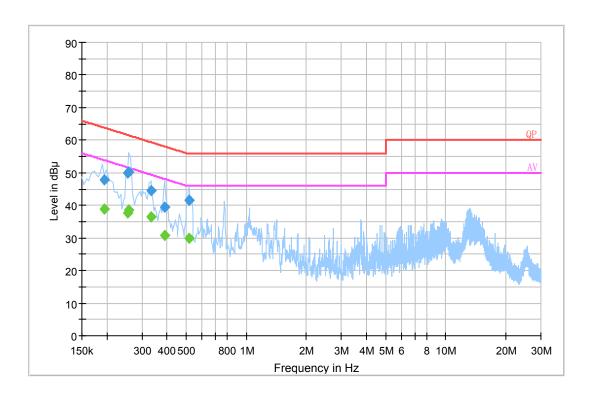


Report No.: RSZ181109557-00

| Frequency (MHz) | Corrected Amplitude (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Remark (PK/QP/Ave.) |
|--------------------|----------------------------------|-----------------------------|-----------------|----------------|------------------------|
| 0.150000 | 46.3 | 19.8 | 66.0 | 19.7 | QP |
| 0.198500 | 50.7 | 19.8 | 63.7 | 13.0 | QP |
| 0.254500 | 50.7 | 19.7 | 61.6 | 10.9 | QP |
| 0.261500 | 49.2 | 19.7 | 61.4 | 12.2 | QP |
| 0.329050 | 45.0 | 19.7 | 59.5 | 14.5 | QP |
| 0.518230 | 39.7 | 19.8 | 56.0 | 16.3 | QP |
| 0.150000 | 32.1 | 19.8 | 56.0 | 23.9 | Ave. |
| 0.198500 | 40.9 | 19.8 | 53.7 | 12.8 | Ave. |
| 0.254500 | 36.8 | 19.7 | 51.6 | 14.8 | Ave. |
| 0.261500 | 37.8 | 19.7 | 51.4 | 13.6 | Ave. |
| 0.329050 | 36.1 | 19.7 | 49.5 | 13.4 | Ave. |
| 0.518230 | 27.2 | 19.8 | 46.0 | 18.8 | Ave. |

FCC Part 18 Page 11 of 22

AC 120V/60Hz, Neutral



Report No.: RSZ181109557-00

| Frequency (MHz) | Corrected Amplitude (dBµV) | Corrected Factor (dB) | Limit (dBµV) | Margin (dB) | Remark (PK/QP/Ave.) |
|--------------------|----------------------------------|-----------------------------|-----------------|----------------|------------------------|
| 0.194500 | 47.9 | 19.7 | 63.8 | 15.9 | QP |
| 0.253500 | 50.0 | 19.7 | 61.6 | 11.6 | QP |
| 0.257500 | 50.1 | 19.7 | 61.5 | 11.4 | QP |
| 0.332990 | 44.4 | 19.7 | 59.4 | 15.0 | QP |
| 0.392150 | 39.4 | 19.7 | 58.0 | 18.6 | QP |
| 0.518230 | 41.7 | 19.8 | 56.0 | 14.3 | QP |
| 0.194500 | 39.0 | 19.7 | 53.8 | 14.8 | Ave. |
| 0.253500 | 37.8 | 19.7 | 51.6 | 13.8 | Ave. |
| 0.257500 | 38.4 | 19.7 | 51.5 | 13.1 | Ave. |
| 0.332990 | 36.5 | 19.7 | 49.4 | 12.9 | Ave. |
| 0.392150 | 30.7 | 19.7 | 48.0 | 17.3 | Ave. |
| 0.518230 | 29.9 | 19.8 | 46.0 | 16.1 | Ave. |

Note:

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

FCC Part 18 Page 12 of 22

RADIATION HAZARD MEASUREMENT

Applicable Standard

FCC §18.301

Environmental Conditions

| Temperature: | 25 ℃ |
|--------------------|-----------|
| Relative Humidity: | 52 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Leo Huang on 2018-11-21.

Radiation Hazard Measurement

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

Report No.: RSZ181109557-00

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^2 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 1000mL 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) |
|--|-------------------------|------------------------------|---------------------------|
| 119.8/60 | 14.8 | 1773 | 1800 |

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

FCC Part 18 Page 13 of 22

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.

Report No.: RSZ181109557-00

- 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 $10 \,^{\circ}\text{C} \pm 2 \,^{\circ}\text{C}$ is used for the test. The water temperature is measured immediately before it is poured into the container.

A quantity of 1 000 g \pm 5 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 °C \pm 2 °C is measured. The oven is then switched off and the final water temperature is measured within 60 s.

| m _w (g) | m _e (g) | T ₀ (°C) | T ₁ (°C) | T ₂ (°C) | t (s) |
|--------------------|--------------------|------------------------|---------------------|------------------------|----------|
| 1000 | 380 | 25.3 | 8.7 | 20.5 | 50 |

RF Output Power = $(4.187 \times 1000 \times (20.5 - 8.7) + 0.55 \times 380.0 \times (20.5 - 25.3)) / 50 = 968.07$ 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;
- T₁ is the initial temperature of the water, in degrees Celsius;
- T₂ is the final temperature of the water, in degrees Celsius;
- t is the heating time, in seconds, excluding the magnetron filament heating-up time.

FCC Part 18 Page 14 of 22

| 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 management output management found to avoid 500 watts. Therefore, in accordance with Section |

Report No.: RSZ181109557-00

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*SQRT (Power Output/500)

LFS = 25*SQRT (968.07/500)

LFS = 34.79

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 μV/m@300m | dBμV/m@300m | dBμV/m@3m | | |
|------------------|-------------|-----------|--|--|
| 34.79 | 30.83 | 70.83 | | |

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 1400mL 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.

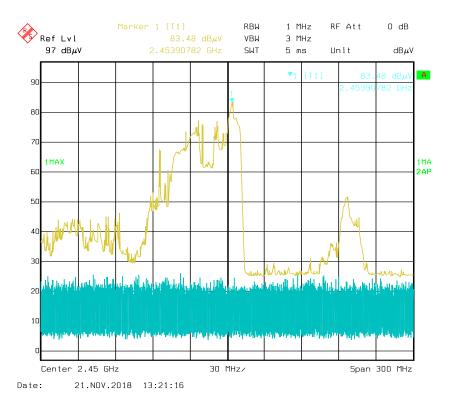
The results of this test are as follows:

| Frequency at Start time (MHz) | Frequency at End time (MHz) | | | |
|----------------------------------|-----------------------------|--|--|--|
| 2453.90 | 2456.31 | | | |

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

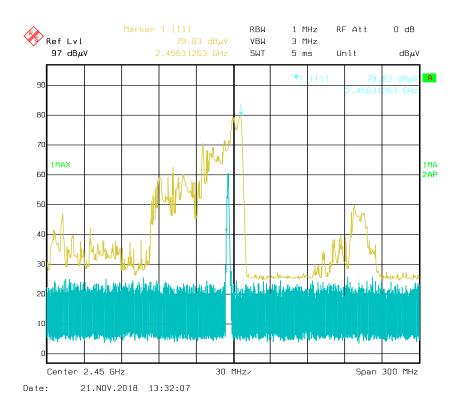
FCC Part 18 Page 15 of 22

Start time:



Report No.: RSZ181109557-00

End time:



FCC Part 18 Page 16 of 22

Variation in Operating Frequency with Line Voltage

The EUT was operated / warmed by at least 10 minutes of use with a 1400 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.

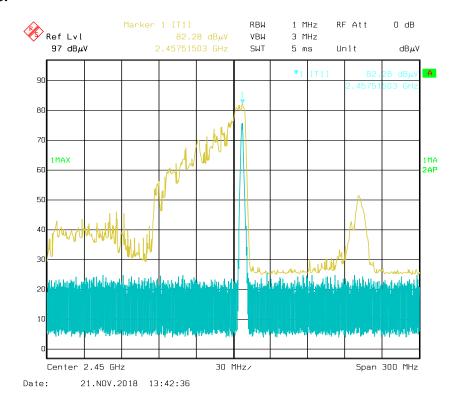
Report No.: RSZ181109557-00

The results of this test are as follows:

| (Low voltage) Frequency | (High voltage) Frequency | | | | |
|-------------------------|--------------------------|--|--|--|--|
| (MHz) | (MHz) | | | | |
| 2457.52 | 2446.69 | | | | |

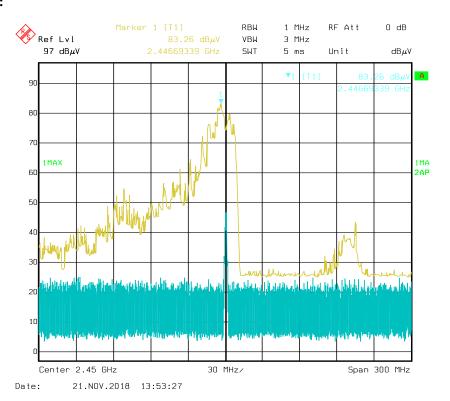
Please refer to following pages for details of the variation in operating frequency with line voltage measurement.

Low Voltage:



FCC Part 18 Page 17 of 22

High Voltage:



Report No.: RSZ181109557-00

FCC Part 18 Page 18 of 22

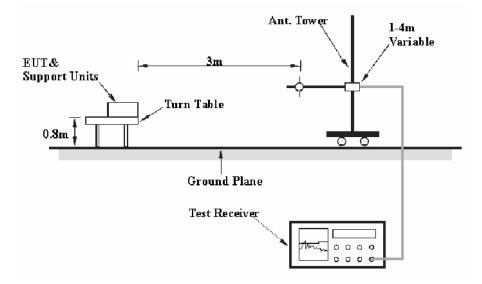
RADIATED EMISSIONS

Applicable Standard

FCC §18.305 and FCC §18.309

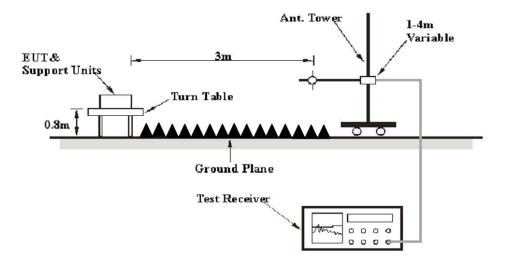
EUT Setup

Below 1GHz:



Report No.: RSZ181109557-00

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.

FCC Part 18 Page 19 of 22

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

Report No.: RSZ181109557-00

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:

Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - 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:

Margin = Limit – 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

$$L_{\rm m} + U_{(L{\rm m})} \leq L_{\rm lim} + U_{\rm cispr}$$

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.

FCC Part 18 Page 20 of 22

Test Data and Plots

Environmental Conditions

| Temperature: | 25 ℃ |
|--------------------|-----------|
| Relative Humidity: | 52 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Hardy Wang on 2018-11-22.

EUT Operation Mode: Boiling Water with MAX Power

30 MHz – 1 GHz:

| 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) |
|-----------------|------------------------------------|-------|---------------------------|---------------------|-----------------------------|--------------------------------|-------------------|----------------|
| 96.700925 | 30.62 | QP | 230.0 | Н | 210.0 | -17.8 | 70.83 | 40.21 |
| 118.413075 | 21.22 | QP | 354.0 | Н | 108.0 | -14.5 | 70.83 | 49.61 |
| 132.445500 | 33.31 | QP | 314.0 | Н | 22.0 | -13.8 | 70.83 | 37.52 |
| 156.640700 | 28.11 | QP | 114.0 | Н | 45.0 | -14.4 | 70.83 | 42.72 |
| 834.351750 | 28.78 | QP | 393.0 | V | 205.0 | 5.4 | 70.83 | 42.05 |
| 954.044725 | 31.40 | QP | 319.0 | V | 354.0 | 9.6 | 70.83 | 39.43 |

Report No.: RSZ181109557-00

FCC Part 18 Page 21 of 22

Above 1 GHz:

| E | Measuerment | | | Rx Antenna | | Corrected | Corrected | FCC Part 18 | |
|--------------------|----------------|------------|---------------------|------------|------------------|---------------|--------------------|-------------------|----------------|
| Frequency (MHz) | Reading (dBµV) | PK/QP/Ave. | Turntable Degree | Height (m) | Polar (H / V) | Factor (dB/m) | Amplitude (dBμV/m) | Limit (dBµV/m) | Margin (dB) |
| 2388.28 | 14.62 | Ave. | 97 | 1.6 | Н | 33.00 | 47.62 | 70.83 | 23.21 |
| 2388.28 | 14.37 | Ave. | 300 | 1.4 | V | 33.00 | 47.37 | 70.83 | 23.46 |
| 2517.64 | 13.86 | Ave. | 173 | 2.2 | Н | 33.20 | 47.06 | 70.83 | 23.77 |
| 2517.64 | 14.88 | Ave. | 309 | 1.5 | V | 33.20 | 48.08 | 70.83 | 22.75 |
| 4236.47 | 48.70 | Ave. | 259 | 1.6 | Н | 5.80 | 54.50 | 70.83 | 16.33 |
| 4236.47 | 48.94 | Ave. | 316 | 1.7 | V | 5.80 | 54.74 | 70.83 | 16.09 |
| 4907.36 | 37.17 | Ave. | 264 | 1.6 | Н | 9.21 | 46.38 | 70.83 | 24.45 |
| 4907.36 | 35.89 | Ave. | 113 | 1.4 | V | 9.21 | 45.10 | 70.83 | 25.73 |
| 8360.23 | 27.11 | Ave. | 156 | 1.9 | Н | 16.48 | 43.59 | 70.83 | 27.24 |
| 8360.23 | 26.91 | Ave. | 96 | 1.0 | V | 16.48 | 43.39 | 70.83 | 27.44 |

Report No.: RSZ181109557-00

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 *****

FCC Part 18 Page 22 of 22