

# TEST REPORT

EMC Test for LSIU6339XE

APPLICANT  
LG Electronics Inc.

REPORT NO.  
HCT-EM-2602-FC004 -R2

DATE OF ISSUE  
March 10, 2026

Tested by  
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# TEST REPORT

## FCC Certification

**REPORT NO.**

HCT-EM-2602-FC004-R2

**DATE OF ISSUE**

March 10, 2026

**FCC ID.**

2B03LS47A11KA

**Applicant****LG Electronics Inc.**

170, Seongsan Pachong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do  
51533, Republic of Korea

**Product Name**

Electric Range

**Model Name**

LSIU6339XE

**Date of Test**

February 06, 2026 to February 12, 2026

**Location of Test**☒ Permanent Testing Lab☐ On Site Testing Lab

(Address: See clause 1.2)

**Test Standard Used**

FCC 47 CFR Ch. I PART 15 Subpart B Class B  
ANSI C63.4-2014

**Test Results**

Refer to the present document

**Manufacturer**

LG Electronics Inc.

**Brand Name**

LG

## REVISION HISTORY

The revision history for this test report is shown in table.

| Revision No. | Date of Issue     | Description                                   |
|--------------|-------------------|-----------------------------------------------|
| 0            | February 13, 2026 | Initial Release                               |
| 1            | February 27, 2026 | The FCC 47 CFR Part 18 test has been deleted. |
| 2            | March 10, 2026    | Changed the FCC ID                            |

## Notice

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### Content

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked \*.

Information provided by the applicant is marked \*\*.

Test results provided by external providers are marked \*\*\*.

When confirmation of authenticity of this test report is required, please contact [www.hct.co.kr](http://www.hct.co.kr)

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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## 1. TESTING LABORATORY

### 1.1 General Information

|                          |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| <b>Organization Name</b> | HCT Co., Ltd.                                                                            |
| <b>Address</b>           | 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do,<br>Republic of Korea |
| <b>Telephone</b>         | +82 31 645 6300                                                                          |
| <b>FAX</b>               | +82 31 645 6401                                                                          |

### 1.2 Location of the Test Site

The test site is located at the following address.;

|                  |                                                                                          |
|------------------|------------------------------------------------------------------------------------------|
| <b>Address</b>   | 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do,<br>Republic of Korea |
| <b>Telephone</b> | +82 31 645 6300                                                                          |
| <b>FAX</b>       | +82 31 645 6401                                                                          |

## 2. SUMMARY OF TEST STANDARD APPLIED

| FCC 47 CFR Ch. I PART 15 - RADIO FREQUENCY |                    |
|--------------------------------------------|--------------------|
| Subpart B § 15.107                         | Conducted emission |
| Subpart B § 15.109                         | Radiated emission  |

### 3. GENERAL INFORMATION

#### 3.1 Description of EUT

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| <b>FCC ID.</b>         | 2B03LS47A11KA                                                  |
| <b>Product Name</b>    | Electric Range                                                 |
| <b>Model Name</b>      | LSIU6339XE                                                     |
| <b>Clock Frequency</b> | 133 MHz                                                        |
| <b>Frequency Range</b> | Wi-Fi: 2412 MHz to 2462 MHz<br>Bluetooth: 2402 MHz to 2480 MHz |
| <b>Power Rating</b>    | AC 208 V, AC 240 V                                             |
| <b>Manufacturer</b>    | LG Electronics Inc.                                            |

#### 3.2 Debug Information

Not applicable

#### 3.3 Power Source

During the test, the following power supply levels are utilized/provided.;

Power supply: AC 208 V / 60 Hz, AC 240 V / 60 Hz

### 3.4 Tested System Details

All equipment descriptions used in the tested system (including inserted cards) are:

| Product Name         | Model Name | Serial Number | Manufacturer                 | Note |
|----------------------|------------|---------------|------------------------------|------|
| Electric Range (EUT) | LSIU6339XE | -             | LG Electronics Inc.          |      |
| Mobile phone         | SM-S928N   | -             | Samsung Electronics Co., Ltd |      |

### 3.5 Cable Description

| Product Name | Port  | Power Cord Shielded (Y/N) | I/O Cable Shielded (Y/N) | Length (m) |
|--------------|-------|---------------------------|--------------------------|------------|
| EUT          | AC IN | N/A                       | N/A                      | (P) 1.2    |

(D) Data cable, (P) Power cable

### 3.6 Noise Suppression Parts on Cable (I/O Cable)

| Product Name | Port  | Ferrite Bead (Y/N) | Location | Metal Hood (Y/N) | Location |
|--------------|-------|--------------------|----------|------------------|----------|
| EUT          | AC IN | N                  | N/A      | N                | N/A      |

## 4. DESCRIPTION OF TEST

### 4.1 Measurement of Conducted Emission

The test procedure was in accordance with ANSI C63.4-2014, Clause 7.3

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN).

If the EUT is connected to the PC through USB, the AC power-line adapter of the PC is directly connected to a line impedance stabilization network (LISN).

Other support units were connected to the power mains through another LISN.

The two LISNs provide  $50\ \Omega$  /  $50\ \mu\text{H}$  of coupling impedance for the measuring instrument.

b. Both conducted lines are measured in Quasi-Peak and Average mode, including the worst-case data points for each tested configuration.

c. The frequency ranges from 150 kHz to 30 MHz was searched.

#### FCC Part 15 Subpart B § 15.107 Conducted emission limits

| Frequency<br>(MHz) | Class A                    |                         | Class B                    |                         |
|--------------------|----------------------------|-------------------------|----------------------------|-------------------------|
|                    | Quasi-Peak<br>(dB $\mu$ V) | Average<br>(dB $\mu$ V) | Quasi-Peak<br>(dB $\mu$ V) | Average<br>(dB $\mu$ V) |
| 0.15 to 0.5        | 79                         | 66                      | 66 to 56*                  | 56 to 46*               |
| 0.5 to 5           | 73                         | 60                      | 56                         | 46                      |
| 5 to 30            | 73                         | 60                      | 60                         | 50                      |

## 4.2 Antenna Conducted Power Measurements

The test procedure was in accordance with ANSI C63.4-2014, Clause 12.2.6

Antenna-conducted power measurements shall be performed on each broadcast reception tuner input in accordance with the requirements of the applicable regulatory authority. For example, see 47 CFR paragraph 15.111 and ANSI C63.4 paragraph 12.1.5 and Appendix H5 (test method) with the following clarifications:

- a. With the TV tuned to each channel [e.g., channel 2 to channel 69], the level of the local oscillator frequency and the second harmonic shall be measured and recorded for each tuner.
- b. Antenna-conducted power measurements shall be performed with the EUT antenna terminals connected directly to either a spectrum analyzer or another measurement instrument conforming to ANSI C63.2 or CISPR 16-1 or the latest revision thereof, if the antenna impedance matches the impedance of the measuring instrument.

Otherwise, use a balun or impedance-matching network to connect the measuring instrument to the antenna terminals of the EUT. Manufacturer-supplied interconnect cabling or wiring shall be used, or if none is supplied, the cable shall be commercially available and a maximum of 2 m in length. Losses in decibels in any balun or impedance-matching network used shall be added to the measured value in dB $\mu$ V.

### FCC Part 15 Subpart B Antenna Conducted Power Emission limits

| Frequency<br>(MHz) | Limits (dB $\mu$ V) |      |
|--------------------|---------------------|------|
|                    | Quasi-Peak          | Peak |
| 30 to 1 000        | 51.7                | -    |
| 1 000 to 2 150     | -                   | 51.7 |

### 4.3 Measurement of Radiated Emission

The test procedure was in accordance with ANSI C63.4-2014, Clause 8 and Clause 12.2.5

- a. The EUT was placed on the top of a turn table 0.8 meters above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 m away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from 1 m to 4 m above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 m to 4 m and the turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to Peak and Average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- g. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. (1 GHz to 40 GHz)

### FCC Part 15 Subpart B § 15.109 Radiated Emission limits

| Frequency<br>(MHz) | Class A                 |                          |                        | Class B                 |                          |                        |
|--------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|------------------------|
|                    | Antenna Distance<br>(m) | Field Strength<br>(μV/m) | Quasi-Peak<br>(dBμV/m) | Antenna Distance<br>(m) | Field Strength<br>(μV/m) | Quasi-Peak<br>(dBμV/m) |
| 30 to 88           | 10                      | 90                       | 39.0                   | 3                       | 100                      | 40.0                   |
| 88 to 216          | 10                      | 150                      | 43.5                   | 3                       | 150                      | 43.5                   |
| 216 to 960         | 10                      | 210                      | 46.4                   | 3                       | 200                      | 46.0                   |
| Above 960          | 10                      | 300                      | 49.5                   | 3                       | 500                      | 54.0                   |
| Frequency<br>(MHz) | Antenna Distance<br>(m) | Class A                  |                        | Class B                 |                          |                        |
|                    |                         | Peak<br>(dBμV/m)         | Average<br>(dBμV/m)    | Peak<br>(dBμV/m)        | Average<br>(dBμV/m)      |                        |
| Above 1 000        | 3                       | 80                       | 60                     | 74                      | 54                       |                        |

**Frequency Range of Radiated Measurements;**

An unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a Radiated Emission limit is specified, up to the frequency shown in the following table

**FCC Part 15 Subpart B**

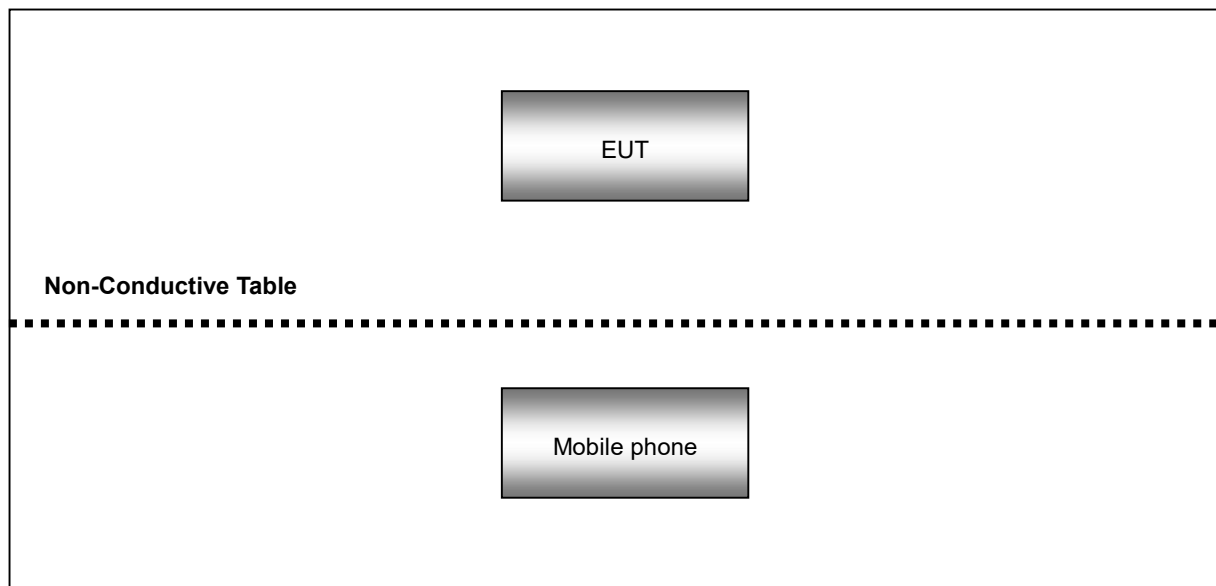
| Highest frequency generated or used in the device<br>or on which the device operates or tunes (MHz) | Upper frequency of measurement range<br>(MHz)                          |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Below 1.705                                                                                         | 30                                                                     |
| 1.705 to 108                                                                                        | 1 000                                                                  |
| 108 to 500                                                                                          | 2 000                                                                  |
| 500 to 1 000                                                                                        | 5 000                                                                  |
| Above 1 000                                                                                         | 5th harmonic of the highest frequency<br>or 40 GHz, whichever is lower |

#### 4.4 Configuration of Tested System

The EUT was configured in the following manner.

The layout was configured according to the manufacturer's guide.

[Oven+Camera+WiFi+BT Idle mode]



#### 4.5 Operating Mode of The Test

During the preliminary and final tests, the following operating mode was investigated.

The following operating mode was tested after connecting all peripheral devices.

##### **Oven+Camera+WiFi+BT Idle mode**

The oven and camera functions were activated simultaneously. Since the camera function requires a Wi-Fi connection between the EUT and mobile phone, the test was conducted with Wi-Fi turned on and Bluetooth was idle state. Tests were conducted at 208 V/60 Hz and 240 V/60 Hz.

## 5. TEST FACILITY REGISTRATIONS

### 5.1 Test Facility

The SAC (Semi Anechoic Chamber) and conducted measurement facilities used for collecting radiated data were constructed in accordance with the requirements of ANSI C63.4-2014 + C63.4a-2017 and ANSI C63.25.1-2018. Our laboratories are accredited and designated in accordance with the provisions of Radio Waves ACT and International Standard ISO/IEC 17025:2017. (National Radio Research Agency, CABID No. KR0032)

### 5.2 Measuring Instrument Calibration

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturers recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5:2017.

### 5.3 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95 % level of confidence. The measurement data shown herein meets or exceeds the UCISPR measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

| Phenomenon                       | Test Site (Chamber)           | Expanded Uncertainty |        |
|----------------------------------|-------------------------------|----------------------|--------|
| Conducted Emission               | EMI Shield Room               | 2.4 dB               |        |
| Antenna Conducted Power Emission | EMI Shield Room               | N/A                  |        |
| Radiated emission                | 10 m Semi Anechoic Chamber #1 | 30 MHz to 1 GHz      | 5.0 dB |
|                                  | 10 m Semi Anechoic Chamber #1 | 1 GHz to 18 GHz      | 4.8 dB |
|                                  | 10 m Semi Anechoic Chamber #1 | 18 GHz to 40 GHz     | N/A    |

### 5.4 Decision Rules and Statements of Conformity

Simple Acceptance

## 6. MEASURING EQUIPMENT

| Type | Model Name | Manufacturer | Serial Number | Cal. Cycle | Next Cal. Date (yy.mm.dd) |
|------|------------|--------------|---------------|------------|---------------------------|
|------|------------|--------------|---------------|------------|---------------------------|

### Conducted emission

|                                     |                   |        |                 |        |        |            |
|-------------------------------------|-------------------|--------|-----------------|--------|--------|------------|
| <input checked="" type="checkbox"/> | EMI Test Receiver | ESR7   | ROHDE&SCHWARZ   | 101910 | 1 year | 2026.08.20 |
| <input checked="" type="checkbox"/> | LISN              | ENV432 | Rohde & Schwarz | 101352 | 1 year | 2026.12.23 |
| <input checked="" type="checkbox"/> | Software          | EMC32  | ROHDE&SCHWARZ   | -      | N/A    | -          |

### Antenna conducted power emission

|                          |                        |        |               |        |        |            |
|--------------------------|------------------------|--------|---------------|--------|--------|------------|
| <input type="checkbox"/> | EMI Test Receiver      | ESCI   | ROHDE&SCHWARZ | 100584 | 1 year | 2026.05.07 |
| <input type="checkbox"/> | Impedance Matching Pad | PE7070 | PASTERNAK     | 5      | 1 year | 2027.01.07 |
| <input type="checkbox"/> | Software               | EMC32  | ROHDE&SCHWARZ | -      | N/A    | -          |

### Radiated emission up to 1 GHz (30 MHz to 1 GHz)

|                                     |                     |           |               |           |        |            |
|-------------------------------------|---------------------|-----------|---------------|-----------|--------|------------|
| <input checked="" type="checkbox"/> | EMI Test Receiver   | ESU26     | ROHDE&SCHWARZ | 100241    | 1 year | 2026.05.27 |
| <input checked="" type="checkbox"/> | Bilog Antenna       | VULB 9168 | Schwarzbeck   | 847       | 2 year | 2026.04.23 |
| <input checked="" type="checkbox"/> | Antenna Mast        | MA4000-EP | INNCO SYSTEM  | -         | N/A    | -          |
| <input checked="" type="checkbox"/> | Turn Table          | DT3000-3t | INNCO SYSTEM  | DT3000/69 | N/A    | -          |
| <input type="checkbox"/>            | Low Noise Amplifier | TK-PA01S  | TESTEK        | 160014-L  | 1 year | 2026.09.01 |
| <input checked="" type="checkbox"/> | Software            | EMC32     | ROHDE&SCHWARZ | -         | N/A    | -          |

| Type                                                    | Model Name   | Manufacturer    | Serial Number | Cal. Cycle | Next Cal. Date (yy.mm.dd) |
|---------------------------------------------------------|--------------|-----------------|---------------|------------|---------------------------|
| <b>Radiated emission above 1 GHz</b>                    |              |                 |               |            |                           |
| <input checked="" type="checkbox"/> EMI Test Receiver   | ESU26        | Rohde & Schwarz | 100241        | 1 year     | 2026.05.27                |
| <input checked="" type="checkbox"/> Horn Antenna        | HF907        | Rohde & Schwarz | 103161        | 1 year     | 2026.10.14                |
| <input checked="" type="checkbox"/> Antenna Mast        | MA4640-XP-ET | INNCO SYSTEM    | -             | N/A        | -                         |
| <input checked="" type="checkbox"/> Turn Table          | DT3000-3t    | INNCO SYSTEM    | DT3000/69     | N/A        | -                         |
| <input type="checkbox"/> Amplifier                      | CBLU1183540  | CERNEX          | 21691         | 1 year     | 2026.05.27                |
| <input checked="" type="checkbox"/> Low Noise Amplifier | TK-PA18H     | TESTEK          | 170034-L      | 1 year     | 2026.10.02                |
| <input checked="" type="checkbox"/> Software            | EMC32        | Rohde & Schwarz | -             | N/A        | -                         |
| <input type="checkbox"/> EMI Test Receiver              | ESW44        | Rohde & Schwarz | 101946        | 1 year     | 2026.11.04                |
| <input type="checkbox"/> Horn Antenna                   | HF907        | Rohde & Schwarz | 103160        | 1 year     | 2026.10.14                |
| <input type="checkbox"/> Power Amplifier                | TK-PA18H     | TESTEK          | 170034-L      | 1 year     | 2026.10.02                |
| <input type="checkbox"/> Horn Antenna                   | BBHA 9170    | Schwarzbeck     | BBHA9170 #786 | 1 year     | 2026.10.27                |
| <input type="checkbox"/> Power Amplifier                | TK-PA1840H   | TESTEK          | 170030-L      | 1 year     | 2026.10.27                |
| <input type="checkbox"/> Antenna Mast                   | MA4640-XP-ET | INNCO SYSTEM    | -             | N/A        | -                         |
| <input type="checkbox"/> Turn Table                     | DS2000-S     | INNCO SYSTEM    | -             | N/A        | -                         |

## 7. SUMMARY OF TEST RESULTS

### 7.1 Conducted Emission

#### 7.1.1 Operating Conditions

The test results of conducted emission at mains ports provide the following information:

|                         |                                                                                                         |                   |             |
|-------------------------|---------------------------------------------------------------------------------------------------------|-------------------|-------------|
| Date of Test (yy.mm.dd) | 2026.02.06                                                                                              |                   |             |
| Temperature             | min. 19.0 °C                                                                                            | Relative Humidity | min. 27.4 % |
|                         | max. 23.3 °C                                                                                            |                   | max. 32.8 % |
| Test Site               | EMI Shield Room                                                                                         |                   |             |
| Test Standard Used      | FCC 47 CFR Ch. I PART 15 Subpart B Class B<br>ANSI C63.4-2014                                           |                   |             |
| Frequency Range         | 9 kHz to 30 MHz                                                                                         |                   |             |
| Bandwidth               | 9 kHz to 150 kHz / RBW: 200 Hz(6 dB), VBW: 500 Hz<br>150 kHz to 30 MHz / RBW: 9 kHz (6 dB), VBW: 30 kHz |                   |             |
| Detector Type           | Quasi-Peak, CAverage                                                                                    |                   |             |
| Operating Mode          | [208 V] Oven+Camera+WiFi+BT Idle                                                                        |                   |             |
| Test Result             | PASS                                                                                                    |                   |             |

A disturbance voltage is calculated by the following equation;

$$A = B + C$$

Where

A: QuasiPeak or CAverage in dBμV

B: Meter reading in dBμV

C: Corr. in dB (Cable loss + LISN factor)

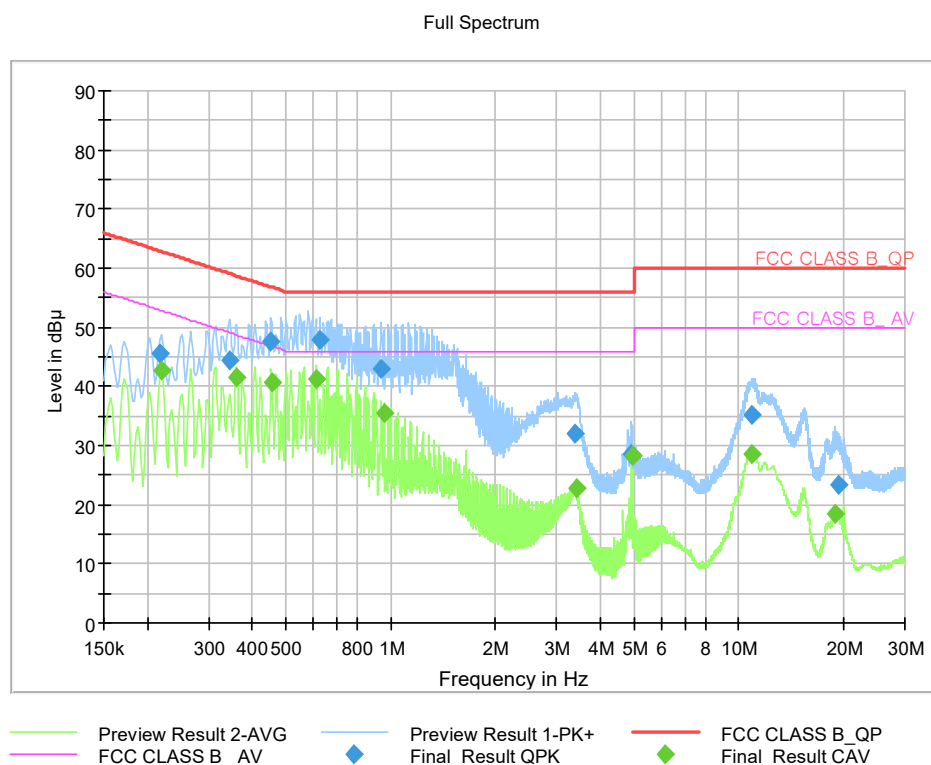
Margin in dB: Limit - A

If it's an AC mains cable, the readings includes both Live (L1, L2) and Neutral (N).

The measurements for both Live (L1, L2) and Neutral (N) from the LISN are combined into a single graph.

## 7.1.2 Measurement Data

[208 V] Oven+Camera+WiFi+BT Idle mode



| Frequency (MHz) | QuasiPeak (dBμV) | Limit (dBμV) | Margin (dB) | Bandwidth (kHz) | Line |
|-----------------|------------------|--------------|-------------|-----------------|------|
| 0.2175          | 45.58            | 62.91        | 17.33       | 9.000           | N    |
| 0.3458          | 44.39            | 59.06        | 14.67       | 9.000           | N    |
| 0.4538          | 47.48            | 56.81        | 9.33        | 9.000           | N    |
| 0.6270          | 48.00            | 56.00        | 8.00        | 9.000           | N    |
| 0.9420          | 42.95            | 56.00        | 13.05       | 9.000           | N    |
| 3.3698          | 31.92            | 56.00        | 24.08       | 9.000           | L1   |
| 4.9268          | 28.62            | 56.00        | 27.38       | 9.000           | L2   |
| 10.8983         | 35.14            | 60.00        | 24.86       | 9.000           | L2   |
| 19.3673         | 23.26            | 60.00        | 36.74       | 9.000           | L2   |

| Frequency (MHz) | CAverage (dBμV) | Limit (dBμV) | Margin (dB) | Bandwidth (kHz) | Line |
|-----------------|-----------------|--------------|-------------|-----------------|------|
| 0.2198          | 42.75           | 52.83        | 10.07       | 9.000           | N    |
| 0.3615          | 41.50           | 48.69        | 7.20        | 9.000           | N    |
| 0.4560          | 40.64           | 46.77        | 6.13        | 9.000           | N    |
| 0.6090          | 41.16           | 46.00        | 4.84        | 9.000           | N    |
| 0.9555          | 35.60           | 46.00        | 10.40       | 9.000           | N    |
| 3.4125          | 22.90           | 46.00        | 23.10       | 9.000           | L1   |
| 4.9335          | 28.21           | 46.00        | 17.79       | 9.000           | L2   |
| 10.8623         | 28.63           | 50.00        | 21.37       | 9.000           | L2   |
| 18.8700         | 18.60           | 50.00        | 31.40       | 9.000           | L2   |

## 7.2 Antenna Conducted Power Emission (Not Applicable)

### 7.2.1 Operating Condition

The test results of antenna conducted power emission provide the following information.;

|                         |                                                    |    |                   |      |   |
|-------------------------|----------------------------------------------------|----|-------------------|------|---|
| Date of Test (yy.mm.dd) | ---                                                |    |                   |      |   |
| Temperature             | min.                                               | °C | Relative Humidity | min. | % |
|                         | max.                                               | °C |                   | max. | % |
| Test Site               | EMI Shield Room                                    |    |                   |      |   |
|                         |                                                    |    |                   |      |   |
| Test Method Used        | ANSI C63.4-2014                                    |    |                   |      |   |
| Frequency Range         | 30 MHz to 2150 MHz                                 |    |                   |      |   |
| Detector / Bandwidth    | For frequencies $\leq 1$ GHz: Quasi-peak / 120 kHz |    |                   |      |   |
|                         | For frequencies $\geq 1$ GHz: Peak / 1 MHz         |    |                   |      |   |
| Operating Mode          | ---                                                |    |                   |      |   |
|                         |                                                    |    |                   |      |   |
| Test Result             | ---                                                |    |                   |      |   |

### 7.2.2 Measurement Data

Not applicable

## 7.3 Radiated Emission up to 1 GHz

### 7.3.1 Operating Condition

The test results of radiated emission provide the following information:

|                         |                                                               |                   |             |
|-------------------------|---------------------------------------------------------------|-------------------|-------------|
| Date of Test (yy.mm.dd) | 2026.02.08 ~ 2026.02.09                                       |                   |             |
| Temperature             | min. 19.1 °C                                                  | Relative Humidity | min. 33.2 % |
|                         | max. 23.6 °C                                                  |                   | max. 43.5 % |
| Test Site               | 10 m Semi Anechoic Chamber #1                                 |                   |             |
| Used Test Standard      | FCC 47 CFR Ch. I PART 15 Subpart B Class B<br>ANSI C63.4-2014 |                   |             |
| Frequency Range         | 30 MHz to 1 000 MHz                                           |                   |             |
| Bandwidth               | RBW: 120 kHz (6 dB), VBW: 300 kHz                             |                   |             |
| Detector Type           | Quasi-Peak                                                    |                   |             |
| Measurement Distance    | 3 m                                                           |                   |             |
| Antenna Height          | 1 m to 4 m                                                    |                   |             |
| Antenna Polarity        | Horizontal, Vertical                                          |                   |             |
| Operating Mode          | [208 V] Oven+Camera+WiFi+BT Idle                              |                   |             |
| Test Result             | PASS                                                          |                   |             |

A field strength is calculated by the following equation.;

$$A = B + C \quad \text{Where}$$

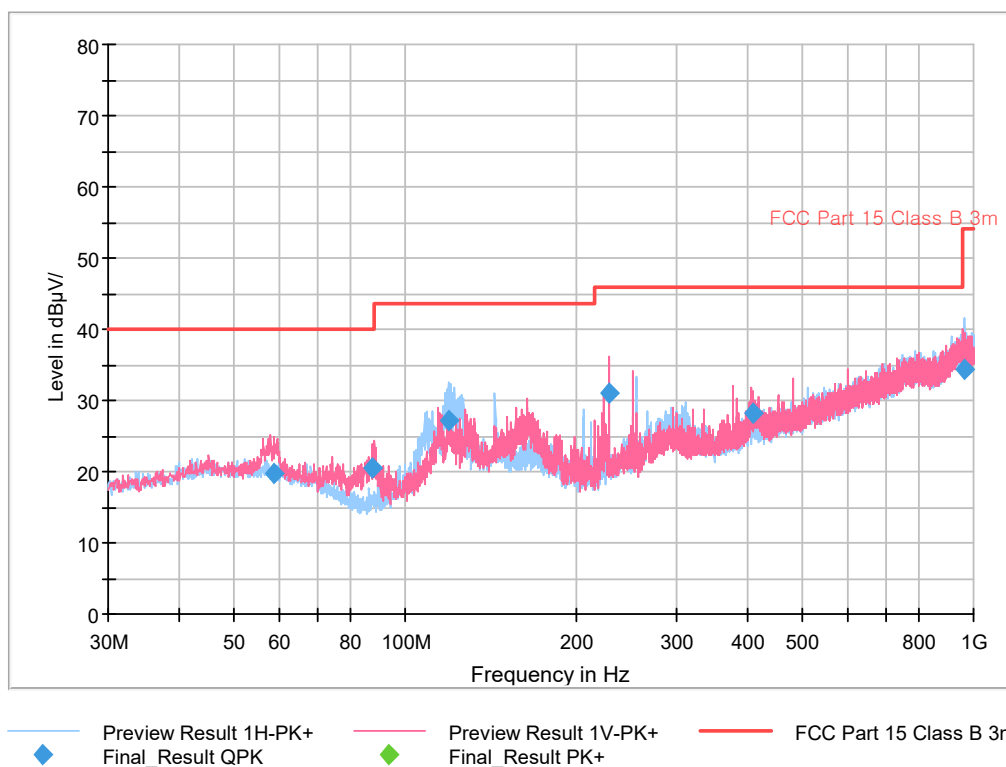
A: Field strength (Quasi Peak) in dBμV/m  
B: Meter reading in dBμV/m  
C: Corr. in dB (Cable loss + Antenna factor)  
Margin in dB: Limit - A

The measurements' polarities are H and V, where H means horizontal and V means vertical.

## 7.4.2 Measurement Data

[208V] OVEN+CAMERA+WIFI+BT Idle

Full Spectrum



| Frequency | QuasiPeak | Height | Pol.  | Azimuth | Corr. | Margin | Limit    |
|-----------|-----------|--------|-------|---------|-------|--------|----------|
| [MHz]     | [dBμV/m]  | [cm]   | [H/V] | [deg]   | [dB]  | [dB]   | [dBμV/m] |
| 58.9082   | 19.84     | 100.0  | V     | 287.0   | 20.3  | 20.16  | 40.00    |
| 87.6436   | 20.51     | 100.0  | V     | 186.0   | 15.2  | 19.49  | 40.00    |
| 119.3936  | 27.17     | 174.7  | H     | 201.0   | 18.3  | 16.33  | 43.50    |
| 227.9788  | 31.12     | 100.0  | V     | 247.0   | 19.0  | 14.88  | 46.00    |
| 409.9018  | 28.26     | 100.0  | V     | 12.0    | 25.3  | 17.74  | 46.00    |
| 965.9114  | 34.35     | 109.6  | H     | 3.0     | 35.4  | 19.65  | 54.00    |

## 7.4 Radiated Emission above 1 GHz

### 7.4.1 Operating Condition

The test results of radiated emission provide the following information:

|                         |                                                               |                   |             |
|-------------------------|---------------------------------------------------------------|-------------------|-------------|
| Date of Test (yy.mm.dd) | 2026.02.08                                                    |                   |             |
| Temperature             | min. 19.1 °C                                                  | Relative Humidity | min. 33.2 % |
|                         | max. 23.4 °C                                                  |                   | max. 42.8 % |
| Test Site               | 10 m Semi Anechoic Chamber #1                                 |                   |             |
| Used Test Standard      | FCC 47 CFR Ch. I PART 15 Subpart B Class B<br>ANSI C63.4-2014 |                   |             |
| Detector / Bandwidth    | Peak, CISPR-Average / RBW: 1 MHz, VBW: 3 MHz                  |                   |             |
| Highest Frequency       | 2462 MHz                                                      |                   |             |
| Tested Frequency Range  | 1 GHz to 18 GHz                                               |                   |             |
| Measurement Distance    | 3 m                                                           |                   |             |
| Antenna Height          | 1 m to 4 m                                                    |                   |             |
| Antenna Polarity        | Horizontal, Vertical                                          |                   |             |
| Operating Mode          | [208 V] Oven+Camera+WiFi+BT Idle                              |                   |             |
|                         | [240 V] Oven+Camera+WiFi+BT Idle                              |                   |             |
| Test Result             | PASS                                                          |                   |             |

A field strength is calculated by the following equation:

$$A = B + C$$

Where

A: Field strength (Peak or CAverage) in dBμV/m

B: Meter reading in dBμV/m

C: Corr. in dB (Cable loss + Antenna factor - Amplifier gain)

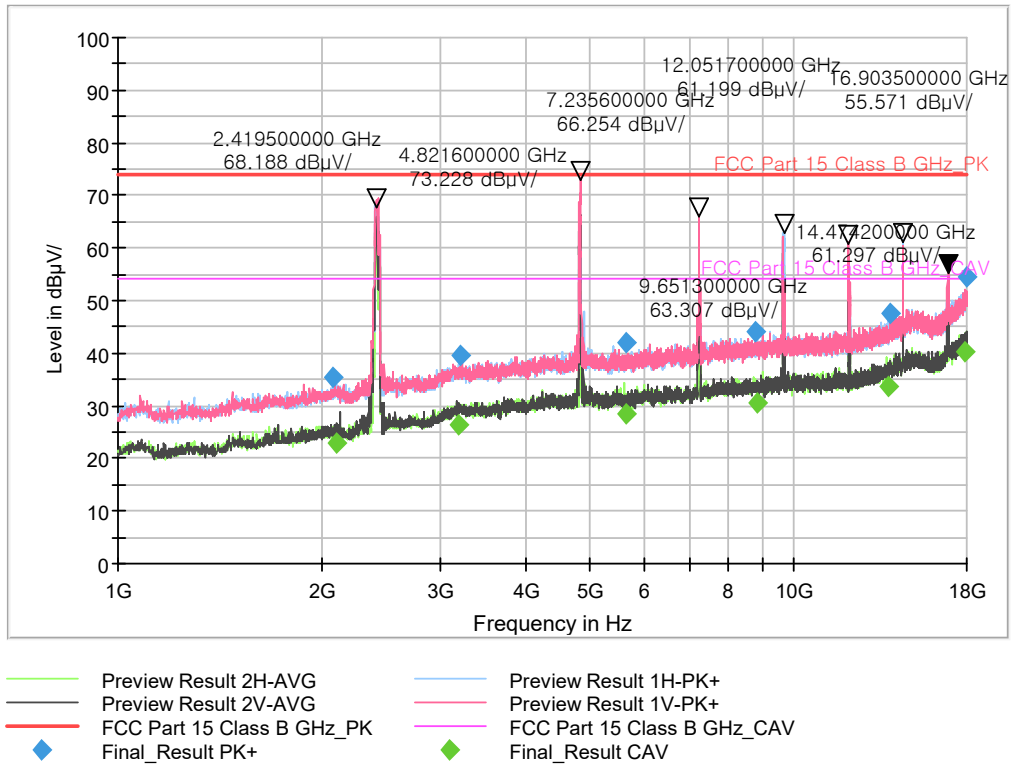
Margin in dB: Limit - A

The measurements' polarities are H and V, where H means horizontal and V means vertical.

## 7.4.2 Measurement Data

[208V] OVEN+CAMERA+WIFI+BT Idle

Full Spectrum



## [ Peak ]

| Frequency  | Peak     | Height | Pol.  | Azimuth | Corr. | Margin | Limit    |
|------------|----------|--------|-------|---------|-------|--------|----------|
| [MHz]      | [dBμV/m] | [cm]   | [H/V] | [deg]   | [dB]  | [dB]   | [dBμV/m] |
| 2084.6000  | 35.25    | 300.3  | H     | 103.0   | -24.4 | 38.75  | 74.00    |
| 3199.8000  | 39.52    | 300.0  | H     | 84.0    | -18.3 | 34.48  | 74.00    |
| 5659.7000  | 41.85    | 100.0  | H     | 96.0    | -12.9 | 32.15  | 74.00    |
| 8748.6000  | 43.94    | 100.0  | H     | 0.0     | -8.2  | 30.06  | 74.00    |
| 13874.1000 | 47.47    | 100.0  | V     | 190.0   | -0.6  | 26.53  | 74.00    |
| 17966.0000 | 54.43    | 300.0  | H     | 0.0     | 8.7   | 19.57  | 74.00    |

## [ CAverage ]

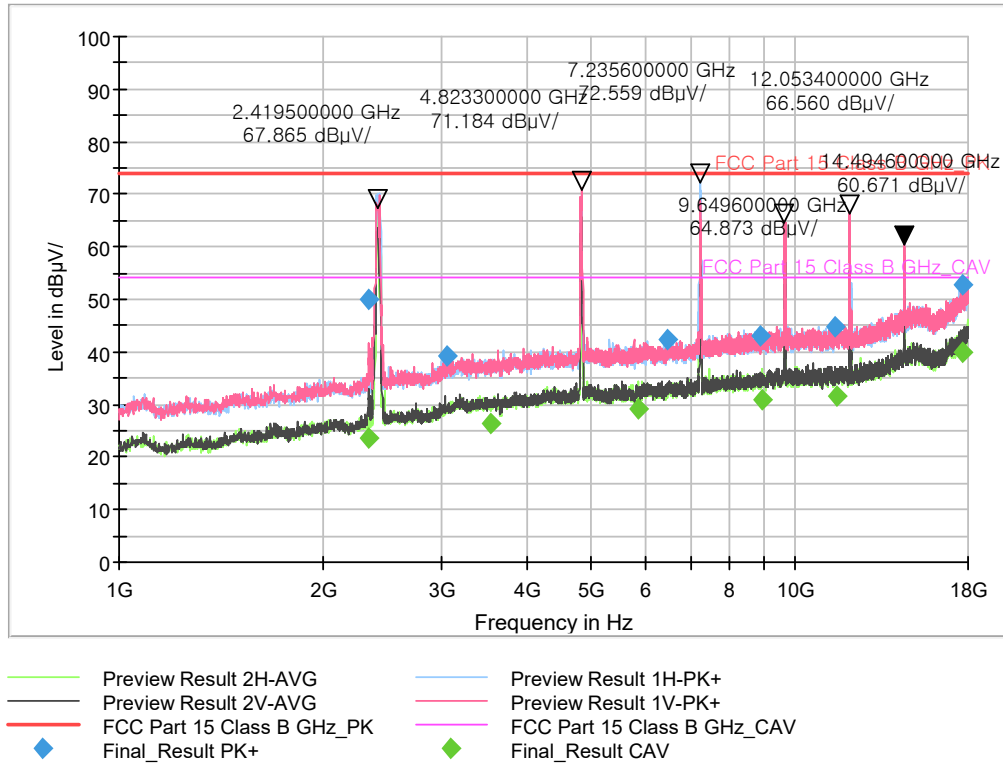
| Frequency  | CAverage | Height | Pol.  | Azimuth | Corr. | Margin | Limit    |
|------------|----------|--------|-------|---------|-------|--------|----------|
| [MHz]      | [dBμV/m] | [cm]   | [H/V] | [deg]   | [dB]  | [dB]   | [dBμV/m] |
| 2103.3000  | 22.77    | 300.2  | H     | 313.0   | -24.4 | 31.23  | 54.00    |
| 3193.0000  | 26.34    | 300.2  | V     | 62.0    | -18.4 | 27.66  | 54.00    |
| 5659.7000  | 28.36    | 100.0  | H     | 96.0    | -12.9 | 25.64  | 54.00    |
| 8842.1000  | 30.45    | 300.2  | V     | 51.0    | -8.0  | 23.55  | 54.00    |
| 13812.9000 | 33.75    | 300.2  | V     | 69.0    | -0.8  | 20.25  | 54.00    |
| 17853.8000 | 40.22    | 100.0  | H     | 180.0   | 8.0   | 13.78  | 54.00    |

\* 2.4195 GHz: WiFi carrier frequency

\* 4.8216 GHz, 7.2356 GHz, 9.6513 GHz, 12.0517 GHz, 14.4742 GHz, 16.9035 GHz : WiFi harmonic frequency

[240V] OVEN+CAMERA+WIFI+BT Idle

Full Spectrum



## [ Peak ]

| Frequency  | Peak     | Height | Pol.  | Azimuth | Corr. | Margin | Limit    |
|------------|----------|--------|-------|---------|-------|--------|----------|
| [MHz]      | [dBμV/m] | [cm]   | [H/V] | [deg]   | [dB]  | [dB]   | [dBμV/m] |
| 2341.3000  | 49.96    | 294.6  | V     | 95.0    | -23.8 | 24.04  | 74.00    |
| 3055.3000  | 39.16    | 100.0  | V     | 40.0    | -19.3 | 34.84  | 74.00    |
| 6453.6000  | 42.22    | 294.8  | V     | 113.0   | -10.9 | 31.78  | 74.00    |
| 8893.1000  | 42.89    | 100.0  | V     | 192.0   | -8.0  | 31.11  | 74.00    |
| 11470.3000 | 44.71    | 105.2  | H     | 13.0    | -4.4  | 29.29  | 74.00    |
| 17622.6000 | 52.63    | 100.0  | V     | 34.0    | 6.7   | 21.37  | 74.00    |

## [ CAverage ]

| Frequency  | CAverage | Height | Pol.  | Azimuth | Corr. | Margin | Limit    |
|------------|----------|--------|-------|---------|-------|--------|----------|
| [MHz]      | [dBμV/m] | [cm]   | [H/V] | [deg]   | [dB]  | [dB]   | [dBμV/m] |
| 2341.3000  | 23.51    | 294.5  | V     | 103.0   | -23.8 | 30.49  | 54.00    |
| 3555.1000  | 26.32    | 100.0  | V     | 6.0     | -17.8 | 27.68  | 54.00    |
| 5870.5000  | 29.01    | 100.0  | H     | 1.0     | -12.3 | 24.99  | 54.00    |
| 8918.6000  | 30.89    | 305.3  | H     | 210.0   | -8.0  | 23.11  | 54.00    |
| 11517.9000 | 31.57    | 105.3  | V     | 308.0   | -4.3  | 22.43  | 54.00    |
| 17663.4000 | 39.81    | 300.0  | H     | 9.0     | 6.9   | 14.19  | 54.00    |

\* 2.4195 GHz : WiFi carrier frequency

\* 4.8233 GHz, 7.2356 GHz, 9.6496 GHz, 12.0534 GHz, 14.4946 GHz : WiFi Harmonic Frequency

**APPENDIX A. TEST SETUP PHOTO****APPENDIX.B INTERNAL PHOTO OF EUT****APPENDIX.C EXTERNAL PHOTO OF EUT**

Please refer to Appendix file no. as follows;

| File No.               | Date of Issue     | Description     |
|------------------------|-------------------|-----------------|
| HCT-EM-2602-FC004-R1-P | February 27, 2026 | Initial Release |

End of report