

TEST REPORT

FCC MPE Test for LSIU6339XE
Certification

APPLICANT
LG Electronics Inc.

REPORT NO.
HCT-SR-2602-FC004-R3

DATE OF ISSUE
March 10, 2026

Tested by
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Applicant

LG Electronics Inc.
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51533, Republic of Korea

Product Name

Electric Range

Model Name

LSIU6339XE

FCC ID

2B03LS47A11KA

Date of Test

February 20, 2026

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing
(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

Test Standard Used

FCC Part 18.313

Test Results

PASS

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	February 20, 2026	Initial Release
1	February 25, 2026	Remove Sec 3.2
2	March 04, 2026	Added Cooking Coil results
3	March 10, 2026	Revised FCC ID

Notice

Content

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the ISED Rules under normal use and maintenance.

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

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. LIMITS

1.1 According to § 1.1310 and § 2.1091 RF exposure is calculated.

Table 7: RF field strength and power density limits for devices used by the general public
(uncontrolled environment)

(B) Limits for General Population/Uncontrolled Exposures				
Frequency Range (MHz)	Electric field Strength (V/m)	Magnetic field Strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
0.3-1.34	614	1.63	#(100)	30
1.34-30	$824/f$	$2.19/f$	$\#(180/f^2)$	30
30-300	27.5	0.073	0.2	30
300-1 500			$f/1500$	30
1 500-100 000			1.0	30

Note: f = frequency in MHz.

=Plane-wave equivalent power density.

1.2 FCC Part 18.313 according to § 1.1307 (b)(3)(ii)(A)

The available maximum time-averaged Power of each source is no more than 1mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1mW during the time-averaging period, in which case they may be treated as a single source(separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those is paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

2. MAXIMUM PERMISSIBLE EXPOSURE Prediction

Prediction of MPE limit at a given distance

$$S = PG/4\pi R^2$$

S = Power density

P = power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

3. According to KDB 447498 D04 Interim General RF Exposure Guidance v01

2.2.1 1-mW Test Exemption for Multiple Sources

As discussed in § 1.1307 (b)(3)(ii)(A), the 1-mW exemption intended for single transmitters may be also applied to simultaneous transmission conditions, with in the same host device, according one of the following criteria:

- a) When Maximum available power each individual transmitting antenna within the same time averaging period is ≤ 1 mW, and the nearest parts of the antenna structures of the simultaneously operating transmitters are separated by at least 2cm.
- b) When the aggregate maximum available power of all transmitting antennas is ≤ 1 mW in the same time-averaging period. This exemption may not be combined with any other exemption.

Cooking Coil	Highest Emissions @10m [dBuV/m]	EIRP [dBm]	EIRP [mW]
Center Rear	66.34	-18.43	0.01
Left Front	78.50	-6.27	0.24
Left Rear	77.79	-6.98	0.20
Right Front	72.66	-12.11	0.06
Warm Zone	34.89	-49.88	0.00
Summation			0.51
These values are most conservative values based on measured emission regardless voltage and polarization			

$$\text{EIRP[dBm]} = E + 20 \log(10[m]) - 104.77$$

Highest Emissions Result from the report No. [HCT-EM-2602-FC005]

4. RESULTS

4.1 MPE calculation

WLAN 2.4 GHz

Max output Power at antenna input terminal	18.00	dBm
Max output Power at antenna input terminal	63.10	mW
Prediction distance	20.00	cm
Prediction frequency	2 462.0	MHz
Antenna Gain(typical)	2.600	dBi
Antenna Gain(numeric)	1.82	-
Power density at prediction frequency (S)	0.022 8	mW/cm ²
MPE Exemption limit for uncontrolled exposure at prediction frequency	1.0	mW/cm ²

Bluetooth

Max output Power at antenna input terminal	8.00	dBm
Max output Power at antenna input terminal	6.31	mW
Prediction distance	20.00	cm
Prediction frequency	2 480.0	MHz
Antenna Gain(typical)	2.600	dBi
Antenna Gain(numeric)	1.82	-
Power density at prediction frequency (S)	0.002 3	mW/cm ²
MPE Exemption limit for uncontrolled exposure at prediction frequency	1.0	mW/cm ²

4.2 Simultaneous Transmission according to KDB 447498 D04 Interim General RF Exposure Guidance v01

2.2.2 Simultaneous Transmission with both SAR-based and MPE-Based Test Exemptions

This case is described in detail § 1.1307 (b)(3)(ii)(B) and covers the situations where both SAR-based and MPE-based exemption may be considered for test exemption in fixed, mobile, or portable device exposure conditions. For these cases, a device with multiple RF sources transmitting simultaneously will be considered an RF exempt device if the condition of Formula (1) is satisfied.

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure\ limit_k} \leq 1 \quad (1)$$

	EIRP [mW]	Pth [mW]	S [mW/cm ²]	MPE Limit [mW/cm ²]	TER
Cooking Coil +WLAN	0.51	1	0.0228	1	0.535178
Cooking Coil +BT	0.51	1	0.0023	1	0.514678

End.