

TEST REPORT

JNM Korea Testing Center Co. Ltd. 135-60 Gyeongchung-daero, Gonjam-eup, Gwangju-si, Gyeonggi-do, Korea 12813 Tel: +82-31-727-8300 Fax: +82-31-764-0800	Report No.: TR-W2609-019 Page (1) / (7) Pages	
Project Number : EA2609C-028 Test Report Number : TR-W2609-019 Type of Equipment : ELECTRIC INDUCTION RANGE Model Name : LSIU6338XE Additional Model Name(s) : LSIU6338NE Applicant : LG Electronics Inc. Address : 222, LG-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 17709, Republic of Korea Manufacturer : LG Electronics Inc. Address : 170, Seongsanpaechongr, Seongsan-gu, Changwon-si, Gyeongsangnam-do, 51533, Republic of Korea FCC Rule : CFR 47 Part 18 - INDUSTRIAL, SCIENTIFIC, AND MEDICAL EQUIPMENT Date of Receipt : 2026-09-02 Date(s) of tests : 2026-09-18 Date of Issue : 2026-09-22 Test Result : PASS The results shown in this test report refer only to the sample(s) tested unless otherwise stated. It shall not be reproduced except in full, without the written approval of the JNM Korea Testing Center Co. Ltd.		
Prepared by  _____ Park, Jun-il / Engineer	Approved by  _____ Hwang, Jin-young / Team Leader	

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Revision History

Date	Report No.	Description	Revised By	Reviewed By
2026-09-22	TR-W2609-017	Initial report	Park, Jun-il	Hwang, Jin-young

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1. Equipment information

FCC ID	2BO3LS47A11KB
Product	ELECTRIC INDUCTION RANGE
Test Model	LSIU6338XE

2. Limit

2.1 According §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/ <i>f</i>	2.19/ <i>f</i>	#(180/ <i>f</i> ²)	30
30-300	27.5	0.073	0.2	30
300-1 500			<i>f</i> /1500	30
1 500-100 000			1.0	30

Note: *f* = frequency in MHz.

#=Plane-wave equivalent power density.

2.2 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 in paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

3. 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

4. RESULT

4.1 MPE calculation

DTS

Max output Power at antenna input terminal	19.00	dBm
Max output Power at antenna input terminal	79.43	mW
Prediction distance	20.00	cm
Prediction frequency	2412 - 2462	MHz
Antenna Gain(typical)	1.72	dBi
Antenna Gain(numeric)	1.486	-
Power density at prediction frequency (S)	0.0235	mWcm ²
MPE Exemption limit for uncontrolled exposure at prediction frequency	1.00	mWcm ²

DTS output power reference report No. [HCT-RF-2308-FI002]

Bluetooth

Max output Power at antenna input terminal	6.50	dBm
Max output Power at antenna input terminal	4.47	mW
Prediction distance	20.00	cm
Prediction frequency	2402 - 2480	MHz
Antenna Gain(typical)	1.72	dBi
Antenna Gain(numeric)	1.486	-
Power density at prediction frequency (S)	0.0013	mWcm ²
MPE Exemption limit for uncontrolled exposure at prediction frequency	1.0	mWcm ²

Bluetooth output power reference report No. [HCT-RF-2308-FI001]

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

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.

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

	EIRP [mW]	Pth [mW]	S [mWcm ²]	MPE Limit [mWcm ²]	TER
Cooking Coil+WLAN	118.03	1	0.0235	1	0.0235
Cooking Coil+Bluetooth	6.64	1	0.0013	1	0.0013

Publication

(End of report)