FCC 47 CFR PART 18

TEST REPORT

Test Report No.	**: OT-238-RED-068**
Reception No.	**: 2307002116**
Applicant	**: LG Electronics USA, Inc.**
Address	**: 111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, 07632, United States**
Manufacturer	**: LG Electronics USA, Inc.**
Address	**: 170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51533 Korea**
Type of Equipment	**: HOUSEHOLD ELECTRIC RANGE**
Model Name	**: LSIL6334F**
Multiple Model Name	**: LSIL6334***
FCC ID.	**: BEJS47113H**
Serial number	**: N/A**
Total page of Report	**: 7 pages (including this page)**
Date of Incoming	**: July 10, 2023**
Date of Issuing	**: August 28, 2023**

summary

The equipment complies with the requirement of ***FCC CFR 47 PART 18(§ 18.313).***

This test report contains only the results of a single test of the sample supplied for the examination.

It is not a general valid assessment of the features of the respective products of the mass-production.

This report is not correlated with the "KS Q ISO/IEC 17025 and KOLAS accreditation" of Korean Laboratory Accreditation Scheme.

Reviewed by:

Sun-Teak, Oh / Manager
EMC Testing Div.
ONETECH Corp.

Approved by:

Seung-Hyun, Park / Senior Manager
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ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-238-RED-068	August 28, 2023	Initial Release	All

* Please contact us (e-mail: info@onetech.co.kr) for verification of this test report.

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1. VERIFICATION OF COMPLIANCE

APPLICANT	LG Electronics USA, Inc. 111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, 07632, United States
MANUFACTURER	LG Electronics USA, Inc. 170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51533 Korea
FACTORY	LG Electronics USA, Inc. 170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51533 Korea

E.U.T. DESCRIPTION	HOUSEHOLD ELECTRIC RANGE
MEASUREMENT PROCEDURES	MP-5: 1986
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
STANDARDS	FCC Part 18, Section 18.313
MODIFICATIONS ON THE EQUIPMENT TO ACHIEVE COMPLIANCE	None
FINAL TEST WAS CONDUCTED ON	10 m semi anechoic chamber

ONETECH Corp. tested the above equipment in accordance with the requirements set forth in the above standard. The test results show that equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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2. GENERAL INFORMATION

2.1 Product Description

The LG Electronics USA, Inc., Model LSIL6334F (referred to as the EUT in this report) is a HOUSEHOLD ELECTRIC RANGE. The product specification described herein was obtained from product data sheet or user's manual.

CHASSIS TYPE	Metal & Plastic
Temperature Range	-40 °C ~ +85 °C
LIST OF EACH OSC. or CRY. FREQ. (FREQ. >= 1 MHz)	10 MHz
RF OPERATING FREQUENCY	Wi-Fi 2.4 GHz (Wi-Fi Module Model: LCWB-001) * Wi-Fi Module FCC ID : BEJ-LCWB001
NUMBER OF PCB LAYERS	-
P. C. Board name	-
Induction cooking range Operating frequency (ISM frequency band)	26 kHz ~ 75 kHz
ELECTRICAL RATING	120/240 V, 11.4 kW Or 120/208 V, 9.45 kW/ 60 Hz
EXTERNAL CONNECTOR	AC IN

2.2 Alternative type(s)/model(s); also covered by this test report.

LSIL6334F, LSIL6334*		
Variable	Range of variable	Content
1st '*'	A to Z	Cosmetic features.

3. EUT MODIFICATIONS

-. None

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4. Summary of Test Results

Test Date: July 12, 2023

4.1 Test Equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal. (Interval)
■ -	ESW 44	Rohde & Schwarz	Test Receiver	101851	Mar. 07, 2023 (1Y)
■ -	CO3000	Innco Systems GmbH	Controller	N/A	N/A
■ -	DT5000	Innco Systems GmbH	Turn Table	N/A	N/A
■ -	HLA 6121	TESEQ	Loop Antenna	50841	Apr. 13, 2022 (2Y)

All test equipment used is calibrated on a regular basis.

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-. 18.313 Radio frequency exposure requirements

1.1307 (b)(3)(ii)(A)

The available maximum time-averaged power of each source is no more than 1 mW 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 1 mW 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).

-. 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, within 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 2 cm.

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.

Elements	Highest Emissions @ 10m [dBuV/m]	EIRP [dBm]	EIRP [mW]
Element 1	63.4	-27.37	0.002
Element 2	65.1	-25.67	0.003
Element 3	59.9	-30.87	0.001
Element 4	68.5	-22.27	0.006
These values are most conservative values based on measured emission regardless voltage and polarization			

EIRP[dBm] = E [dBμV/m] + 20 log (10 [m]) - 104.77 - 6

Aggregated maximum power = 0.002 + 0.003 + 0.001 + 0.006 = 0.012 mW

Therefore, 1mW test exemption can be applied and this device complies 18.313 requirement in accordance with 1.1307(b)(3)(ii)(A).

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