

TEST REPORT

FCC MPE Test for CBOX-240816
Certification

APPLICANT
LG Electronics Inc.

REPORT NO.
HCT-RF-2512-FC007-R1

DATE OF ISSUE
January 13, 2026

Tested by
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Applicant LG Electronics Inc.
128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea

Product Name RF Module
Model Name CBOX-240816

FCC ID 2B03L-CBOX-240816

Frequency range 922 MHz ~ 926.8 MHz

Date of Test November 25, 2025 ~ December 12, 2025

Test Standard Used FCC Rule Part(s): § 1.1310, § 2.1091

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 Results PASS

Brand LG

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	December 16, 2025	Initial Release
1	January 13, 2026	Revised the Model Name. Revised the Product Name. Deleted the data of Additional Model.

Notice

Content

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 FCC 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).

RF Exposure Statement

1. Limit

According to § 1.1310, § 2.1091 RF exposure is calculated.

(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	^(a) (100)	30
1.34 - 30.....	824/f	2.19/f	^(a) (180/ f ²)	30
30 - 300.....	27.5	0.073	0.2	30
300 - 1500.....			f/1500	30
1500 - 100.000.....			1.0	30

F = frequency in MHz

^(a) = Plane-wave equivalent power density

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 to the antenna in the direction of interest relative to an isotropic radiator

R = Distance to the center of radiation of the antenna

3. RESULTS

3-1. Wi-SUN

Average output Power at antenna input terminal	16.00	dBm
Average output Power at antenna input terminal	39.81	mW
Prediction distance	20.00	cm
Prediction frequency	922.0 – 926.8	MHz
Antenna Gain(typical)	0.23	dBi
Antenna Gain(numeric)	1.054	-
Power density at prediction frequency(S)	0.0084	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.6147	mW/cm ²