

WAIVER CONDITION DECLARATION LETTER

UWB Smart Door Locks – FCC and ISED

Applicant / Responsible Party: LG Electronics Inc.

Manufacturer: Hyundai HT Global

Product: UWB Smart Door Lock

Models / HVINs: TMCDD15G and TMCDD15S

Subject: Declaration of compliance with waiver / special authorization operating conditions

To Whom It May Concern:

LG Electronics Inc. (“LG”) hereby declares that the above-referenced UWB Smart Door Locks are designed and controlled to operate in accordance with the technical and operational conditions set out in the August 27, 2026 Order of the U.S. Federal Communications Commission (“FCC”), DA 26-905, granting LG waiver of 47 C.F.R. § 15.519(a) and § 15.519(a)(2), with respect to these devices¹, and with these same limitations as described in the August 21, 2026 letter from Innovation, Science and Economic Development Canada (“ISED”) granting LG special authorization to deviate from RSS-220 solely with respect to installation on an exterior door or doorway.

Although the FCC waiver Order and the separate ISED special authorization relate to different regulatory frameworks, the underlying product configuration, UWB use case, installation concept, and interference-mitigation principles are materially the same. Accordingly, LG applies the following common technical and operational controls to the product for both the United States and Canada, except where a jurisdiction-specific approval imposes an additional or different condition.

Common Technical and Operational Conditions

- UWB operation is used only for secure ranging / proximity determination in connection with an authorized access request and is not used for continuous communications.
- A UWB session is initiated only after Bluetooth Low Energy (BLE) discovery/connection and successful identification or validation of qualifying access credentials.
- The UWB session is intermittent and limited in duration. It terminates upon: (1) cessation of Bluetooth Low Energy communication between the UWB Smart Door Lock and the associated user device; (2) a user device request for UWB ranging session suspension; (3) a successful door opening sequence; (4) determination that the associated user device is inside the area being secured; and/or (5) the user device leaving the UWB Smart Door Lock operational area or no longer satisfying the proximity conditions required for ranging
- The ranging cycle shall occur no more frequently than once within each 192-millisecond interval for a single-user access attempt.
- UWB transmission occurs only when communicating with an associated/authorized receiver.
- UWB operation is confined to the 6–10 GHz range; the implemented product uses UWB Channel 9 in the 7.7–8.2 GHz range.
- The product uses forward-directional patch antennas with the main beam primarily in the azimuthal plane, minimizing radiation in unnecessary upward, downward, and backward directions.

¹ *LG Electronics Inc. Request for Waiver of Sections 15.519 (a) and 15.519 (a)(2) of the Commission’s Rules, Order, DA 26-905, at 5-6 (¶¶ 15 & 16) (OET, rel. Aug. 27, 2026).*

- The product is installed on an exterior residential entrance door or doorway at a height of less than two meters above ground level, with the antenna orientation substantially horizontal.
- The UWB transmitter operates at low power on a no-interference and no-protection basis, with a transmit power of approximately -16 dBm over 500 MHz bandwidth and a power spectral density of approximately -43 dBm/MHz.
- The product shall comply with the applicable FCC/ISED emission limits and all other technical requirements not specifically waived or specially authorized.

Jurisdiction-Specific Conditions

Jurisdiction	Regulatory Basis	Additional / Specific Commitment
FCC (United States)	Waiver of 47 C.F.R. § 15.519(a) and § 15.519(a)(2)	Any device subject to the waiver will be certified through an accredited Telecommunication Certification Body (TCB), with the applicable waiver Order included in the certification application. LG will also comply with any reporting, interference-resolution, cessation-of-sale, or other conditions contained in the FCC waiver Order.
ISED (Canada)	Special authorization under the Radiocommunication Act / RSP-102 to deviate from RSS-220 only as to exterior-door / doorway installation	The device will otherwise comply with RSS-220. LG will comply with the terms and limitations stated in the ISED special authorization, including any reporting, cessation-of-state, certification or other authorization conditions imposed by ISED.

This declaration is intended to provide a single consolidated manufacturer/applicant statement covering the common waiver-related operating conditions for the same UWB Smart Door Lock hardware in the United States and Canada.

LG further certifies that the information stated above is true and correct to the best of its knowledge and that the products will be configured so that end users cannot modify the UWB operating parameters in a manner inconsistent with the applicable waiver or special authorization.

Sincerely,



 Authorized Signatory
 LG Electronics Inc.
 Name: Yongdeok Kwon
 Title: Professional
 Date: August 31, 2026