



## LETTER OF REQUEST

### PERMISSIVE CHANGE

January 20, 2025

We, LG Electronics USA, Inc., as a manufacturer of following product, hereby submit Class 2 Permissive Change application for the FCC and Class 2 Permissive Change application ISED in the filings following changes applied to additional Antenna in the filings and compliance of product throughout additional testing.

|      |                             |                                       |
|------|-----------------------------|---------------------------------------|
| FCC  | FCC ID                      | BEJTFGMEIBBCD1                        |
|      | Date of C2PC Grant          | 19 August 2024                        |
|      | Equipment Type              | PCS Licensed Transmitter              |
| ISED | IC Certification Number     | 2703H-TFGMEIBBCD1                     |
|      | Approved Date of C2PC Grant | 15 August 2024                        |
|      | HVIN/PMN                    | TFGMEIBBCD1, TFGMEIBBCD2, TFGMEIBBCD3 |

\* Hardware Version: Rev.F

\* Software Version: SW176

#### A. Software change note

\* Refer to operational description (Appendix)

#### B. External Antenna Information

We have additional antenna called 86784729 and 85647584, and gain was measured in each band.

\* Refer to operational description (Appendix)

This product is a professional installation equipment and installed by vehicle manufacturer.

As antennas will be installed by vehicle manufacturer.

Vehicle manufacturer will implement specific software version for each antenna and vehicle.

#### C. Worst case selections\_Radiated Spurious Emissions

The worst-case scenarios have been chosen testing modes based on the worst margin of original Radiated spurious emission on testing result (below 1GHz, above 1GHz) with 86784729, 85647584 antenna.

| No | Item         |            | Worst Band |
|----|--------------|------------|------------|
| 1  | Worst margin | below 1GHz | 5G NR n13  |
| 2  | Worst margin | above 1GHz | 5G NR n66  |

#### D. E.R.P./ E.I.R.P.

Due to increasing some antenna gain, E.R.P./ E.I.R.P. was calculated and measured to comply the limits in FCC rules and RSS standards.

#### E. SAR

The manufacture of the Vehicles mounts external Antenna [86784729, 85647584] on a car, the minimum distance between this device and the user could be 2cm. SAR test performed with 86784729, 85647584 antennas for all bands.

#### F. Declaration

The changed model with Additional antenna complies ERP/EIRP, SAR requirements and the limits in FCC rules and RSS standards. Based on technical analysis mentioned above, we hereby request permissive change for both FCC and ISED certification.



Sincerely Yours

A handwritten signature in black ink, appearing to read 'David Kim', positioned above a horizontal line.

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David Kim  
Team leader, LGE US NA Policy & Regulatory Affairs  
LG Electronics USA, Inc.