

LETTER OF REQUEST

PERMISSIVE CHANGE

February 3, 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 Grant C2PC	24 January 2025
	Equipment Type	PCS Licensed Transmitter
ISED	IC Certification Number	2703H-TFGMEIBBCD1
	Approved Date of C2PC Grant	23 January 2025
	HVIN/PMN	TFGMEIBBCD1, TFGMEIBBCD2, TFGMEIBBCD3

A. External Antenna Information

We have additional antenna called 85846852 and 85846853, 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.

B. 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 85846852, 85846853 antennas.

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

C. 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.

D. SAR

The manufacture of the Vehicles mounts external Antennas [85846852 and 85846853] on a car, the minimum distance between this device and the user could be each 9cm and 4cm.

SAR test performed with 85846852, 85846853 antennas for specific bands.

E. 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

