

LETTER OF REQUEST

PERMISSIVE CHANGE

November 26, 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 for the 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	12 SEPTEMBER 2025
	Equipment Type	PCS Licensed Transmitter
ISED	IC Certification Number	2703H-TFGMEIBBCD1
	Approved Date of C2PC Grant	05 SEPTEMBER 2025
	HVIN/PMN	TFGMEIBBCD1, TFGMEIBBCD2, TFGMEIBBCD3, TFGMEIBBCD1_MY27, TFGMEIBBCD2_MY27, TFGMEIBBCD3_MY27

A. External Antenna Information

We have additional antenna called 85737594 and 85737595, and gain was measured in each band.

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. Tests performed

- RF

The test was performed using an external glass antenna, and as shown in the table above, the glass antenna exhibits the highest gain only in the ISED 3450-3900 MHz band. Therefore, the EIRP test was performed only in the ISED n77/n78 (3450-3900 MHz) band, and the Radiated spurious emissions was performed only in bands NR n13, 66, 77 and ULCA 7C as the worst-case.

Band	84933920 [Original Grant]	87832572	85015365	85015378	Y2XX 86784729, 85647584	85846852 (BT1UG), 85846853 (BT1FG)	Glass ant. (L246) 85737594, 85737595
B71(n71)	0.37	0.67	-0.47	0.09	4.37	-1.50	2.31
B12(n12)	-1.05	0.67	-0.38	0.24	4.91	-1.30	2.14
B13(n13)	-0.53	3.72	0.00	0.36	5.86	-1.70	3.25
B14(n14)	-0.53	3.72	0.73	1.05	6.37	-1.70	3.25
B5(n5)	0.37	5.22	0.37	0.62	4.51	-2.20	1.52
n26	0.37	5.22	0.73	1.05	4.51	-2.20	1.52
B4	5.19	-1.24	0.23	0.40	4.05	1.20	5.07
B66/B4(n66)	5.54	2.50	0.23	0.40	4.05	1.20	5.07
B2(n2)	5.12	5.18	0.08	1.27	4.39	0.80	4.34
n25	5.12	5.18	0.08	1.27	4.39	0.80	4.34
B7(n7)	5.99	4.16	1.10	-1.14	6.13	-2.70	4.03
n41	0.09	3.52	2.21	1.75	4.43	5.10	3.24

n77/n78_FCC Low	3.24	2.89	2.94	2.88	1.78	1.80	2.06
n77/n78_FCC High	3.24	2.76	3.31	3.89	1.78	1.20	3.46
n77/n78_ISED Low	3.24	2.89	2.94	2.88	1.78	1.80	<u>3.46</u>
n77/n78_ISED High	3.24	0.63	3.31	3.89	1.78	1.20	3.46
n41_MIMO	6.54	6.86	5.50	5.09	8.17		6.65
n77/n78_FCC Low_MIMO	7.91	6.42	4.70	4.75	4.79		4.81
n77/n78_FCC High_MIMO	7.91	6.36	5.82	6.10	6.37		5.83
n77/n78_ISED Low_MIMO	7.91	6.42	4.70	4.75	4.79		6.17
n77/n78_ISED High_MIMO	7.91	5.43	5.82	6.10	6.37		6.17

- **SAR**

The SAR test was measured at a distance of 25mm from the antenna on the surface exposed to the user in the device's installation environment. This distance is the SAR separation distance declared by the manufacturer.

C. 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



Heejae Cho
Director, Regulatory and Environmental Affairs
LG Electronics USA, Inc.