

LG Electronics USA

Date: July 01, 2022

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Attn: OET Dept.

Ref: FCC Class II Permissive change for FCC ID: BEJ-TM04ANNABM0

Applicant: LG Electronics USA

Dear Examiner,

This is to request a Class II Permissive change for FCC ID: BEJ-TM04ANNABM0 originally granted on July 14, 2020 (date).

The change under this application is to the Addition of Antenna.

Addition of Antenna Original Antenna Name: 9825131_02	1. Antenna Name: 920-631-001
	2. Antenna Name: 8705921
	3. Antenna Name: 920-631-002

I attest that the certified device will not be capable of ad-hoc mode operation outside of the grant conditions.

LG Electronics USA

1. Antenna Information

We have additional antenna gain was measured in each band.

Frequency-Range UL (MHz)	Band	9825131_02 [Original Grant]	920-631-001 [C2PC]	Increased Gain	8705921 [C2PC]	Increased Gain	920-631-002 [C2PC]	Increased Gain
663 - 698	LTE B71	-4.20 dBi	1.40 dBi	5.60 dB	-3.00 dBi	1.20 dB	1.20 dBi	5.40 dB
699 - 716	LTE B12	-2.10 dBi	1.40 dBi	3.50 dB	3.00 dBi	5.10 dB	1.70 dBi	3.80 dB
704 - 716	LTE B17	-2.10 dBi	1.40 dBi	3.50 dB	3.00 dBi	5.10 dB	1.70 dBi	3.80 dB
777 - 787	LTE B13	-0.10 dBi	1.60 dBi	1.70 dB	3.00 dBi	3.10 dB	1.70 dBi	1.80 dB
814 - 849	B26	-1.10 dBi	2.10 dBi	3.20 dB	3.00 dBi	4.10 dB	2.30 dBi	3.40 dB
824 - 849	WCDMA V, LTE B5, GSM 850	-1.90 dBi	1.20 dBi	3.10 dB	3.00 dBi	4.90 dB	1.10 dBi	3.00 dB
1710 - 1755	WCDMA IV, LTE B4	2.60 dBi	3.30 dBi	0.70 dB	5.00 dBi	2.40 dB	3.30 dBi	0.70 dB
1710 - 1780	LTE B66	2.60 dBi	3.30 dBi	0.70 dB	5.00 dBi	2.40 dB	3.30 dBi	0.70 dB
1850- 1910	WCDMA II, GSM 1900, LTE B2	2.00 dBi	2.40 dBi	0.40 dB	5.00 dBi	3.00 dB	2.00 dBi	0.00 dB
1850 - 1915	LTE B25	2.10 dBi	2.40 dBi	0.30 dB	5.00 dBi	2.90 dB	2.00 dBi	-0.10 dB
2496 - 2690	LTE B41	2.70 dBi	6.60 dBi	3.90 dB	5.00 dBi	2.30 dB	6.50 dBi	3.80 dB
2500 - 2570	LTE B7	2.70 dBi	6.60 dBi	3.90 dB	5.00 dBi	2.30 dB	6.50 dBi	3.80 dB

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

As antennas will be installed by vehicle manufacturer.

2. E.R.P./ E.I.R.P.

Due to increasing some antenna gain, E.R.P./ E.I.R.P. was recalculated to comply the limits in Parts 22, 24, 27, and 90 of FCC rules

Sincerely,

Name: Sung Soo Kim

Date: July 01, 2022

Title: Director, Regulatory and Environmental Affairs



Signature of applicant: