

PRODUCT EQUALITY DECLARATION

Telematics

09 July 2025

FCC Class II Permissive change for FCC ID: BEJTM16FNNABM0

We, LG Electronics Inc., the manufacturer of the product listed below, hereby submit a Class II Permissive Change application for the FCC modular approval.

The module(FCC ID: BEJTM16FNNABM0) was initially certified on November 1, 2024, with the CBE and PCB configurations.

This application includes a hardware version change and software modifications, and we intend to add a new host device by verifying its compliance through cellular functionality testing based on the capabilities supported by the module.

1. Product Information

Model Name: TM16FNNABM0

<Host Version>

Certified Hardware Version: Rev. C3

Changed Hardware Version: Rev. D3

Certified Software Version: V010.046.077

Changed Software Version: v010.047.018

2. Change Note

A. H/W version : Rev. C3 → Rev. D3

Due to the change in item 2, RF tests were conducted to verify the RF impact on HW version update and SAR tests were conducted to verify the RF impact on MIMO ANT#3

No.	Item block	Change Details	Before	After
1	NAD	Add SD Card Level Shifter Enable signal	Please refer to the ICON25 REV Summary of OD	
2	AP	Bootling mode POST config change : Bootling Time Improvement		
3	Power	NAO Current Improvement : Change PU/PD Resistor value		
4	ANT	Apply Internal Antenna Golden pad : Improvement contact to MIMO3 Antenna		
5	AP	Changed TR to resolve S2R Wake-up abnormal function		
6	PCB	Changed PCB Metal Mask to improve Solder crack issue		
7	NAD	Changed NAD SDIO Power Domain : 3.3V → 1.8V		
8	Power	Changed Antenna switch power source for V2X		

		Only mode
9	WIFI	Changed Solid Fill on the WIFI chipset
10	Debug	Deleted 0ohm for debugging
11	HSM	HSM power is separated to support IRTM
12	CAN	Improvement Under Voltage detection of CAN Transceiver
13	Connector	Improvement pin hole on the FAKRA Connector
14	Gasket	Add Conductive foam

B. S/W version : v010.046.077 → v010.047.018

SW changes is only periodical update for the implementation of OEM requirement, it is no impact RF performance and electrical characteristics.

No.	Item	Change Details	Before	After
1	SW version	SW changes is only periodical update for the implementation of OEM requirement	v010.046.077	v010.047.018

3. Compliance justification

A. Radio

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)

No	Item		Worst Band
1	Worst margin	Below 1GHz	LTE 13
2	Worst margin	Above 1GHz	n7

Since the changes do not affect the specifications of Wi-Fi and BT, the version-updated test report has been issued.

B. SAR

For each RATs, The SAR testing was performed by dividing the frequency ranges into below 1 GHz, 1–2 GHz, 2–3 GHz, and above 3 GHz, and setting the existing worst bands for each range. it is determined that there is no impact.

Sincerely,



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