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October 2, 2024

Attn: Reviewing Engineer
Federal Communication Commission
7435 Oakland Mills Road
Columbia, MD 21046

Object: Class II Permissive change request for EMB-LR1302-mPCle LoRaWAN Gateway
Module

FCC ID: Z7HEMBLR1302

HVIN: EMB-LR1302-mPCle

This Letter serves as an official request for FCC approval of a Class II Permissive Change for
EMB-LR1303-mPCle LoRaWAN Gateway Module.

The reason for the Class II permissive change is the modification of the DSP, the addition of
a USB to SPI bridge, and the addition of a feedback transceiver.

The new DSP have higher precision and enable fine timestamp feature on received packets.

The MCU used as a USB to SPI bridge allow to control the radio equipment via USB.

The feedback transceiver enables the frequency scanning on the different channels allowing
to enable Listen Before Talk functionalities.

The laboratory tests are necessary to demonstrate that the device is compliant with the FCC
rules.

The changes described apply to the original object, certified on 29/12/2021.

Sincerely,

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