

Request For Permissive Change

DATE : July 7, 2025

To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for

FCC ID: 2AF77-H2211810, Original grant date: July 13, 2023

The replacement chip, **AC1003C0**, is fully pin-for-pin compatible with the original chip **AC1003B2** involves a firmware update to the internal LoRa chip, with the following modifications:

1. Fix for a CDC issue when using an external oscillator with WDT.
2. Correction of an ABB bug related to the 1.8V level shifter, which may affect RF behavior.
3. Added support for programmable FSK frequency deviation. The programmable FSK frequency deviation feature is not user-accessible. It is controlled solely through the manufacturer's proprietary Blink App, which does not allow arbitrary frequency selection by the user.
4. Due to the fix involving the ABB and potential RF impact, full EMC tests were conducted to ensure compliance.

This change does **not involve modification to the transmitter's hardware layout or RF circuitry** and falls under the scope of **a change subset** as defined in **KDB 178919 D01 Section IV**. The modification does not constitute a change to the overall transmitter.

Sincerely,



Name / Title: Jim Chang, RF Manager

On behalf of: SGS Taiwan Ltd.

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