

**Federal Communications Commission
Authorization and Evaluation Division**

Date: February 6, 2025

Subject: Compliance to Permissive Change Policy for Functional Variants Regarding Application for FCC ID: 2ALEPT0008814

The CHICKADEE Sensor Module, and CHICKADEE Sensor Module, Contact Charging are LoRa sensors for IoT applications. Sensors can support multiple RF regions, including North America. Both variants are powered by an internal single 3.7 V LI-ION rechargeable battery, which can be charged by connecting a charger to the USB-C connector, which exists on both variants. The Contact Charging variant adds two metal contacts on opposite sides of the USB-C for charging the battery. Both variants share the same printed circuit board and are not different in RF circuitry.

The functional variants are compliant to the requirements outlined in Section III of KDB Publication 178919 D01 (Permissive Change Policy) to be authorized under one FCC ID. Specifics for the compliance to each subpart are described below.

Section III Part A: Each variant is considered electrically equivalent as per the permitted changes described in § 2.1043(a).

Section III Part B: The same transmitters are populated on each variant.

Section III Part C: There are no changes in the integral active hardware components between functional variants that would otherwise result in different radio parameters or cause the device to be non-electrically identical.

Section III Part D: There are no substitutions of non-electrically identical parts required between variants.

Section III Part E: There are no changes in transmitter amplifiers between variants.

Section III Part F: There are no changes to circuitry.

Sincerely,



David Tholl
Chief Technology Officer
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