



Federal Communications Commission
445 12th SW Washington, D.C
USA

03 April 2023

Attention: Application Examiner / Review Engineer

Subject: Request for a Class II Permissive Change

FCC ID: ZSS-ZSNBL10001

Grant Date(s): 07/30/2020

Pursuant to CFR47 §2.1043, the Grantee hereby requests a Class II Permissive Change for the above identified device.

This licensed transmitter module is already certified via C2PC for the integration by the Grantee into his own end-product using an individual antenna trace design and a set of external WWAN antennas.

There are no changes made to the transmitter module or the antenna trace design – but the dedicated host device (IoT Leak Logger) has been modified:

- A tilt sensor and its support components have been added to the schematics and connected to the application processor. (IC7, C21, C34 and C35)
- There is no change in any functional part except for the adding the tilt sensor and its support parts.
- There are some minor changes of the PCB layout in the non-RF part to allow adding the tilt sensor and its supporting components to the PCB.
- There are no modifications made to the RF path, modem module, communication with the modem or the power supply of the modem.
- The firmware was updated for the application processor to ensure that the tilt sensor and modem are never used at the same time. When the modem is powered, the tilt sensor is in sleep mode and vice versa.
- Due to standard safety requirements for detachable antennas all certified antennas are now equipped with a thicker tip (6 mm)

Evaluation of the output power and spot checks of the unwanted emissions are performed reflecting the worst-case scenarios documented in the original test report of the stand-alone modular transmitter. The not repeated test results continue to be representative of and applicable also to this device.

Sincerely,

Bernd STEINER
Sectionmanager Radiolaboratory and authorized agent