Modular Approval Request FCC (KDB 996369 D01 & Part 15.212)

FCC ID: VPYLBEE5ZZ1XL

Items to be covered by ***Single modular transmitters.***	*Answer from applicant*
1. The modular transmitter must have its own RF shielding.	Yes, the EUT provides the RF shielding
2. The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation.	Yes, the module and data input(s) are buffered. The EUT has buffered data inputs, it is integrated in IC chip.
3. The modular transmitter must have its own power supply regulation.	No, some power lines that affect RF characteristics do not go through internal regulators.
4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(b)(c). The antenna must either be permanently attached or employ a "unique" antenna coupler (at all connections between the module and the antenna, including the cable).	Yes, the EUT meets the FCC antenna Requirements. Instructions are described in Operational Description.
5. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing. This is intended to demonstrate that the module is capable of complying with Part 15 emission limits regardless of the device into which it is eventually installed.	Yes, the modular transmitter has been performed the testing in a state of being installed on a test jig board simulating the board of the installed end product. It has been performed the testing as a stand-alone and then confirmed the compliance. The module and antenna will be mounted on a board similar to the one shown in the test set photo, and the board will be installed in the end product.
6. The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number in accordance with 15.212 (a)(1)(vi)(A) / (B).	Yes, the FCC ID is laser printed on the module body.
7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization. For example, there are very strict operational and timing requirements that must be met before a transmitter is authorized for operation under Section 15.231. For instance, data transmission is prohibited, except for operation under Section 15.231(e), in which case there are separate field strength level and timing requirements. Compliance with these requirements must be assured.	Yes, the EUT is compliant with all applicable FCC rules. Details instructions for maintaining compliance are given in the User Manual.
8. The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 1.1310, 2.1091, 2.1093, and specific Sections of Part 15, including 15.319(i), 15.407(f), 15.253(f) and 15.255(g), require that Unlicensed PCS, UNII and millimeter wave devices perform routine environmental evaluation for RF Exposure to demonstrate compliance. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF Exposure compliance. Modular transmitters approved under other Sections of Part 15, when necessary, may also need to address certain RF Exposure concerns, typically by providing specific installation and operating instructions for users, installers and other interested parties to ensure compliance.	Yes, the EUT is comply with RF exposure re requirement. RF exposure is addressed in the User Manual.

Note: A limited modular approval (LMA) may be granted for *single* or *split* modular transmitters that comply partially with the requirements above.

Name and surname of applicant (or authorized representative): Kenji Hayashikoshi

Date: 13/06/2022 **Signature:** K. Hayashikoshi