

November 14, 2022

Federal Communications Commission
 Equipment Authorization Branch
 7435 Oakland Mills Road
 Columbia, MD 21046

Request for Modular / Limited Modular Approval

FCC ID: 2A8MUA11638

The following attestation addresses the requirements to support modular approval:

Modular approval requirement	Yes (provide brief statement)	No *
(1) The radio elements must have its own radio frequency circuitry shielded. The physical crystal and tuning capacitor(s) may be located external to the shield, but must be on the module assembly		Housing is made of PBT, a non-conductive material. RF circuitry IS NOT shielded.
(2) The module must have buffered modulation/data inputs (if provided) to ensure that the device will comply with FCC requirements under conditions of excessive data rates or over-modulation.	The module has buffered modulation/data inputs to ensure that the device will comply with FCC requirements. See provided description filed with this application	
(3) The module must contain its own power supply regulation on the module. This is intended to ensure that the module will comply with FCC requirements regardless of the design of the power supplying circuitry in the device into which the module is installed.	The module has its own power supply regulation, present on the module itself. Please see filed schematics.	
(4) The module must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b), 15.204(c), 15.212(a), and 2.929(b). 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). The "professional installation" provision of § 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph 15.212(b). 15.212(a)(1)(iv)	The module contains a permanently attached antenna and it is soldered.	
(5) The module must demonstrate compliance in a stand-alone configuration, the module must not be inside another device during testing. This is intended to demonstrate that the module can comply with Part 15 emission limits regardless of the device into which it is eventually installed.	The module was tested both stand-alone and in host. As we are filing for LSMT, we have included tests in host.	
(6) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	There is a label on the module as shown in the labelling exhibit filed with this application. Host specific labelling instructions are shown in the installation manual filed with this application.	
(7) The module must comply with all specific rule or operating requirements applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee. A copy of these instructions must be included in the application for equipment authorization.	The module complies with operating requirements applicable to the transmitter. Integration instructions to the OEM installer are provided in the with this application.	
(8) The module must comply with any applicable RF exposure requirements	The module meets Portable exclusion levels as shown in the RF exposure information filed with this application.	

Limited Module Description

The applicant is seeking Limited Modular Approval.

The above requirement (a) to have a shield circuitry is not met. This is due to a space constraint in the host for the module & the fact that the housing material of the host is made of PBT material.

The module is only approved for use when installed in a Taiga A11596 Host.


The Key Module is installed in its host through a potting process that prevents access to the module's electronics & its soldered antenna. Thus, the applicant ensures hardware compliance and prevents user modification or alteration of the device.

Control of the device is achieved through CAN protocol communication which is accessible on wires attached to a connector. As the device is buffered, full digital communication compliance is ensured.

Finally, the module is powered by an external 12VDC signal. The module has its own power supply regulation. Thus, the Key Module ensures power compliance.

Sincerely,

Signed by:

DocuSigned by:

423622DBD2D84C3
Signature

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