



Attention: Application Examiner

August 10, 2020

Subject: Request for FCC Module Certification

Applicant: Inovonics Corporation

FCC ID: HCQ3B6F

To whom it may concern:

Pursuant to Title 47, Chapter I, Subchapter A, Part 15, Subpart C, Section 15.212 rules for unlicensed modules, Inovonics Corporation requests full single modular approval for the following device:

- EchoStream FFR Transceiver Module

We declare that the aforementioned module complies with all requirements described in Section 15.212 (a)(1)(i-viii), namely:

Requirement of Public Notice 15.212	Reference to FFR Module
The module transmitter must have its own RF shielding.	The module has its own RF shielding. Please see Module Photos - FFR.pdf
The modular transmitter must have buffered modulation/data inputs.	The module has buffered data inputs. It is integrated in IC EFR32FG12 MCU
The modular transmitter must have its own power supply regulation.	The module has its own power supply regulation regardless of the quality or level of external DC supplying the module from the host unit.
The module transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c)	The EchoStream FFR Transceiver Module is permanently mounted on the PCB, and its antennas comply with the FCC antenna requirements.
The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing.	The EchoStream FFR Transceiver Module was tested in a stand-alone configuration. Please see conducted Test Setup Photos Rev1.pdf.
The modular transmitter must be labeled with its own FCC ID.	The module is labeled with its own FCC ID, and is located on top side of the device on the shield can. Please see Label Artwork.pdf
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.	The EchoStream FFR Transceiver Module is compliant with all applicable FCC rules. Detailed instructions are given in the Installation Instruction Manual. Please see Installation Instructions Manual.pdf.
The modular transmitter must comply with any applicable RF exposure requirements.	The EchoStream FFR Transceiver Module is compliant with applicable RF exposure requirements. Please see FFR RF Exposure R3 test results



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Additionally, this module is intended to be installed exclusively in Inovonics' end-radio-devices. The module will not be sold or distributed to any outside party.

Thank you for your assistance with this submittal.

Sincerely,

A handwritten signature in black ink, appearing to read 'Corey Leavitt', with a long horizontal flourish extending to the right.

Corey Leavitt

Regulatory Compliance Engineer
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