

Dear Application Examiner:

Schweitzer Engineering Laboratories, Inc., 9630-9110, FCC ID R34-900FLTR is seeking limited modular approval. The radio meets only some of the requirements for modular approval as detailed in FCC 15.212; hence the reason for limited modular approval. Compliance to each of the requirements is described below:

1. **“The modular transmitter must have its own RF shielding.”** The radio portion of the module is contained in its own RF shielding. The shielding is installed at the factory. Please see the Internal Photos exhibit.
2. **“The modular transmitter must have buffered modulation/data inputs.”** The EUT has buffered data inputs to insure compliance with Part 15 requirements under conditions of excessive data rates or over-modulation. Please see the Schematics exhibit.
3. **“The modular transmitter must have its own power supply regulation.”** The EUT’s compliance with Part 15 requirements is met by a combination of on-board power supply regulation and explicitly defined and tested ranges of DC voltages into the two power rails. Please see Test Report exhibit and Integration Manual exhibit. Also, the Test Report exhibit contains AC power line conducted emissions data taken with the EUT powered from a linear power supply that contains no EMC suppression components.
4. **“The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).”** The EUT meets the FCC antenna requirements for professional installation. The module will only be installed by the grantee in their equipment. Please see Antenna Information exhibit and Integration Manual exhibit.
5. **“The modular transmitter must be tested in a stand-alone configuration.”** The EUT was tested in a stand-alone configuration. Please see Test Setup Photos exhibit and Test Report exhibit.
6. **“The modular transmitter must be labeled with its own FCC ID number.”** The EUT is labeled with its own FCC ID number. Please see FCC ID Label & Location exhibit. If the FCC ID number will not be visible when the module is installed inside a host device, another label with the FCC ID will be applied to the exterior of the host device.
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.”** The EUT is compliant with all applicable FCC rules. Detail instructions for maintaining compliance are given in the Integration Manual.

8. **"The modular transmitter must comply with any applicable RF exposure requirements."** The EUT is compliant with all applicable RF exposure requirements. Please see RF Exposure exhibit.

Please contact me if you have additional questions. Your attention to this matter is greatly appreciated.

Best regards,

A handwritten signature in dark ink that reads "William B. Morse". The script is cursive and fluid, with the first name "William" being the most prominent.

William Morse

Senior Compliance Engineer

Date: Monday, December 11, 2017