

October 12, 2009

Dear Application Examiner:

Ecotech Marine, LLC is seeking full modular approval for product model number 10169 with FCC ID number VKB271829. The radio meets the requirements for full modular approval as detailed in FCC 15.212. Compliance to each of the requirements is described below:

1. **"The modular transmitter must have its own RF shielding."** All of the electronic components, including the radio portion, 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 has its own power supply regulation to insure compliance with Part 15 requirements regardless of the quality or level of external DC supplying the module from the host unit. Please see the Schematics exhibit. Also, the technical 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. Please see the Antenna Information exhibit and Internal Photos exhibit.
5. **"The modular transmitter must be tested in a stand-alone configuration."** The EUT was tested in a stand-alone configuration. The module was greater than 10cm from the host device. Please see the test setup photos exhibit and the technical 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 the FCC ID label & location exhibit. Since the FCC ID number will not be visible when the module is installed inside a host device, another label with the FCC ID number 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. Detailed instructions for maintaining compliance are given in the User 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 the RF Exposure exhibit.

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

Best regards,



Justin Lawyer  
Ecotech Marine, LLC  
Director of Research and Development