telemics

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Modular Approval Request Letter
for
FCC ID: QC5-09-MSS1 and Industrie Canada ID: 4435A-09-MSS1

Gentlemen,

Telemics would like to request that the 900 MHz Frequency hopping product, Model 100-0002 Verics™ Module be certified as a module pursuant to FCC Public notice DA00-1407 to allow placement of the module into additional Telemics products in the future without pursuing a individual Certification for each product.

The above-mentioned public notice outlines 8 requirements that must be met in order for the device to be considered a "module". The table below summarizes these 8 requirements and how the Verics™ Module meets these requirements.

DA00-1407 Module Requirement	Telemics Model 100-0002 Verics™ Module
1: The modular transmitter must have its own shielding	The Verics™ Module has its own RF. Refer to the pictures of the module included in this application.
2: The modular transmitter must have its own buffered modulation / data inputs	The Verics™ Module incorporates data I/O buffering on the modulation and data inputs. This buffering is internal to the Atmel AT91R40008-66AI microprocessor of the module.
3: The modular transmitter must have its own power supply regulation	The power derived from the host system that powers the RF section of the module is regulated on the Verics™ Module.
4: The modular transmitter must comply with the antenna connector requirements of 15.203 and 15.204(C)	The Verics™ Module has two antenna configurations. Both meet the requirements of 15.203. One of the antennas is soldered directly to the module PCA. If that antenna is not going to be used, then an external antenna can be connected via a MMCX connector on the module PCA. Recall that the module is a professionally installed device, thus meeting the 15.203 requirements.
5: The modular transmitter must be tested in a "Stand-Alone" configuration. The transmitter cannot be installed within a "host" system during testing.	The Verics™ Module was tested in a stand alone configuration outside of any enclosure. Refer to the test setup photos. The "Test Fixture" board in the photos is there only to provide power and the correct data I/O to the module.
6: The modular transmitter must be labeled with its own FCC ID number and if the FCC ID is not visible when the module is installed inside a host device, then the outside of the host device must be labeled as containing an internal transmitter module.	The Verics™ Module will be clearly labeled with the FCC ID. Refer to the Regulatory drawing placement drawing.
7: The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide instructions along with the module to explain any such requirements. A copy of these documents must be included in the Certification application.	Details of proper operation will be included in the users manual. Please refer to the users manual included with this application.
8: The Frequency hopping modular transmitter must comply with an applicable RF exposure requirements such as FCC 2.1091 , 2.1093 and specific sections of Part 15, such as 15.247(b)(4)	The Verics™ Module will comply with the RF exposure safety requirements outlined by the FCC. Please refer to the MPE statement included in this application.