



MicroStrain, Inc.  
459 Hurricane Lane  
Williston, VT 05495

Re: Modular Approval for FCC ID: XJQMSLINK0001

Dear Scott,

This letter describes all how requirements are met to obtain modular approval per FCC Public Notice DA 00-1407. Requirements are listed in bold italics and our statements of how we meet these requirements follow.

***The modular transmitter must have its own RF shielding.***

All radio components including RF oscillator are shielded with a metal can attached to the PCB.

***The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation.***

All data inputs are buffered through a microprocessor, no direct external connections to the radio are provided.

***The modular transmitter must have its own power supply regulation. This is intended to ensure that the module will comply with Part 15 requirements regardless of the design of the power supplying circuitry in the device into which the module is installed.***

An internal voltage regulator is provided, this regulates the system voltage to the transmitter to 3.0 Volts DC fixed.

**The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c). 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).**

This device provides a RP-SMA antenna as a unique connector.

***The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing. This is intended to demonstrate that the module is capable of complying with Part 15 emission limits regardless of the device into which it is eventually installed...***

The device was tested in a standalone configuration as intended for use. These tests were carried out by Retliff Testing Laboratories.

***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 another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.***



The label is included on the shield of the transmitter. In the event this is located inside another enclosure a label is provided on the outside of the enclosure.

***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.***

No specific rules are required to insure with compliance, other than specifying the antenna that is required. This antenna will be supplied with the product and this requirement is documented.

***The modular transmitter must comply with any applicable RF exposure requirements.***

This module meets all RF exposure requirements.

Questions and comments should be directed to:

Chris Townsend  
Vice President Engineering  
MicroStrain, Inc.  
459 Hurricane Lane  
Williston, VT 05495  
8028626629

Signed: July 25, 2009

A handwritten signature in black ink, appearing to read "C. Townsend", written over a horizontal line.

Chris Townsend  
VP Engineering