

Re: Modular Transmitter Approval
FCC ID: VJB-OPTICOMGPS2
IC: 7275A-OPTICOM2

Gentlemen,

The following information is being provided per the requirements of 15.212 regarding modular approval of Part 15 devices. For Canada, per the requirements of RSS-GEN 7.1.1 (2007).

This transceiver is a complete RF module with an integral reference oscillator.

External connections are provided for power and data communication.

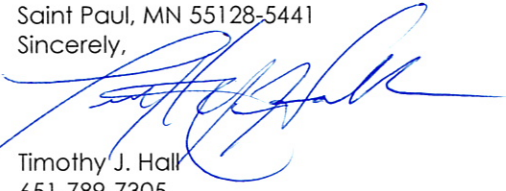
The following numbered items correspond to similarly numbered paragraphs in 15.212. Each item is a response to the requirements of that document.

- 1) The module has integral RF shielding to isolate it from surrounding equipment and the larger environment in general.
- 2) All inputs are processed as data by the on-board microcontroller. The outside user has no direct control of transmit modulation.
- 3) There is a 3.0V voltage regulator on board that powers the radio transceiver. The power amplifier supply is monitored by the microcontroller and transmission is disabled if the source voltage is greater than 5.25V.
- 4) The antennas that are available for this device are:
 - a. Laird # MAF94192
 - b. HOW TSEN # S-001-1
 - c. Mobile Mark # DM2-2400/1575

This is in accordance with Part 15.203.

- 5) The module was tested in a stand-alone configuration and found to be compliant with Part 15 regulations.
- 6) An FCC ID label is affixed to each unit at the time of manufacture. Information is also clearly presented in the user guide about labeling requirements for the final assembly.
- 7) This unit is compliant with Part 15.247. Installation and other requirements are presented in the user guide to allow the unit to be correctly installed.
- 8) The unit is compliant with the RF exposure requirements of Parts 15.247 and 2.1091.

Further information may be obtained from:
Global Traffic Technologies LLC
7800 Third Street North
Saint Paul, MN 55128-5441
Sincerely,



Timothy J. Hall
651-789-7305
800-224-7334 Fax

IC: 7275A-OPTICOM2
Model #: OPTICOMGPS2

Industry Canada Modular Approval Checklist:

Modular Approval Requirement	Yes	No
(a) The radio elements must have the radio frequency circuitry must be shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.	X	
(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable RSS standard under conditions of excessive data rates or over-modulation.	X	
(c) The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.	X	
(d) The module shall comply with the provision for external power amplifiers and antennas detailed in this standard. The equipment certification submission shall contain a detailed description of the configuration of antennas that will be used with the module.	X	
(e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing.	X	
(f) The module shall comply with the Category I equipment labeling requirements.	X	
(g) The module shall comply with applicable RSS-102 exposure requirements, which are based on the intended use/configurations.	X	
(h) Is the modular device for an Industry Canada licensed exempt service?	X	