



Date: Wednesday, December 08, 2010

Federal Communications Commission
Equipment Approval Services
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Pittsburgh, PA 15251-3315

Industry Canada
Head, Equipment Approval Unit
Department of Communications
1241 Clyde Avenue
Ottawa, Ontario
K2C 1Y3

Applicant: TransCore
8600 Jefferson St NE
Albuquerque, New Mexico 87113

Equipment: 05726 FCC ID: FIH05726 IC: 1584A-05726
Rules: CFR47 Part 2 and 15.212, 15.249 (Modular Transmitter), and Industry Canada RSS-210

Re: Modular transmitter approval

Gentlemen

As required in CFR47 15.212 and Industry Canada RSS-GEN regarding unlicensed modular transmitter approval, the following information has been addressed. The transmitter module is a complete RF transmitter containing its own reference oscillator, antenna etc. The connections available on the module are for power and data interface only. Below please find information, addressing each requirement from RSS-GEN and CFR47 15.212.

Per RSS-GEN

- (a) The module is a complete radio transmitter with its own reference oscillator, antenna, etc.
The only connectors to the module are power supply and modulation/data inputs.
- (b) The module has its own RF shielding.
- (c) The module utilizes buffered modulation/data input(s) to ensure that the module will comply with RSS-210 requirements under conditions of excessive data rates or over-modulation.
- (d) The module has its own power supply regulation. This is to ensure that the module will comply with RSS-210 requirements regardless of the design of the power supplying circuitry in the host device, which houses the module.
- (e) The certification submission contains a detailed description of the configuration of all antennas that will be used with the module.



Per CFR 47 15.212

- (i) The radioelements of the modular transmitter have their own shielding.
- (ii) The modular transmitter utilizes buffered modulation/data inputs to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.
- (iii) The modular transmitter utilizes power supply regulation.
- (iv) The modular transmitter utilizes a unique antenna connection (MMCX) and complies with the antenna connection requirements of 15.203.
- (v) The module was tested in a stand-alone configuration utilizing a test fixture for interface allowing for testing. The module complies with part 15 emissions limits regardless of the device into which it is eventually installed.
- (vi) The module has the FCC ID number permanently affixed to the equipment and information supplied to the end OEM regarding label placement on the outside of the device into which the module is contained.
- (vii) The unit complies with CFR47 regulations as stated in the user manual. Adequate instructions are supplied with the unit to explain the requirements.
- (viii) The unit complies with the RF exposure requirements as stated in 2.1091, 2.1093, and part 15.

Sincerely
Scot D. Rogers