



# ROGERS LABS, INC.

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February 25, 2002  
Federal Communications Commission  
Equipment Approval Services  
P.O. Box 35815  
Pittsburgh, PA 15251-3315

Applicant:  
Intermec Technologies Corporation  
550 2<sup>nd</sup> Street SE  
Cedar Rapids, IA 52401 USA  
(505) 449-2757

Equipment: FCC ID: EHA-RM91501X04

FCC Rules: Part 15.247 (Frequency Hopping Spread Spectrum Transmitter) Modular Transmitter

Gentlemen:

The Application for Certification for this frequency hopping spread spectrum transmitter module operated in the 902-928 MHz frequency band under part 15.247 has been completed. The 731 form and certification application have been electronically submitted and any attachments will be up loaded to your web site. Please use this information in obtaining a grant of certification for the transmitter module. As requested in the Public Notice DA00-1407 regarding Part 15 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 inputs only. Below please find information, addressing each paragraph from DA00-1407, requested about the unit.

- 1.) The unit has its own RF shield to prevent coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed. Photographs of the unit are included in an exhibit with the application.
- 2.) The unit incorporates a buffer stage on the inputs to limit over-modulation.
- 3.) The unit has power regulation incorporated in the circuitry to ensure continued compliance regardless of the design of the power supplying circuitry.
- 4.) The unit utilizes a unique coupling to the antenna, which is supplied with the unit. The configuration uses a reverse SMA connection at the board and the two antenna options for this unit connect to this unique port. This fulfills the requirements of 15.203.
- 5.) The module was tested in a stand-alone configuration. The module complies with part 15 emissions limits regardless of the device into which it is eventually installed.
- 6.) The module has the FCC ID on a label, which is mounted to the shield of the module, and the end user is supplied with a label and information to affix to the outside of the device, which contains the module.
- 7.) The unit complies with part 15.247 frequency hopping spread spectrum devices. Adequate instructions are supplied with the unit to explain the requirements.
- 8.) The unit complies with the RF exposure requirements as stated in 2.1091, 2.1093, and part 15.

Please keep the information in confidence, as this applicant has requested confidentiality for the submittal. Should you require any further information, please contact the undersigned. Thank you for your consideration in this matter.

Sincerely,

Scot Rogers  
Rogers Labs, Inc.  
Enclosures