

Northwest EMC	TCB Compliance Opinion	Rev. 9/15/03
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Information about the Applicant	
Company Name	Intermec Technologies Corporation
Grantee	Dave Fry
Address	550 Second St. SE
City, State, Zip	Cedar Rapids, IA 52401-2023
Job Number	ITRM0136
Model	Intellitag RFID Radio
FCC ID	EHARFID915IM5
Approval Type	Class II Permissive Change
Equipment Class	DSS Part 15, Spread Spectrum Transmitter
Rule Part	15.247DSSS

Industry Canada Information	
Model	
Industry Canada ID	
Rule Part	

Overview

Intermec Technologies Corporation, 6001 36th Ave W, Everett WA, 98203 herein submits a Class II Permissive Change request for a Frequency Hopping Spread Spectrum Transceiver FCC ID: EHARFID915IM5. The addition of antennas to this transmitter requires reporting of new data per FCC rules. The data within shows the transmitter continues to comply with FCC rules. Included is RF exposure data to support the continued sales of this radio.

The FCC Knowledge Database, Publication Number: 963678, provides the following guidance: After original approval, new antenna types can be added as a Class II permissive change under Section 15.204 [c][1]). However test data for the new antennas with the highest gain for each type of antenna, must be submitted even if the antennas have lower gain than those listed in the original application. The client has provided a list of antennas in the Test Report. They are all of the same type, of which the highest gain antenna was tested.

Recommendation

All items have been resolved and completed to my satisfaction; therefore I recommend this application for approval.

Signature



Dean Ghizzone, TCB Committee
9/27/2006

Findings

Opinions	
Specification Requirements	Description
47 Cfr 2.1033(b)(3)	Installation guide, operating instructions,user manual
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	User Manual.pdf

Specification Requirements	Description
47 cfr 2.1033(b)(6)	Test Report
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 2.1033(b)(6)	Conversions showing how the test results were achieved
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
Required Exhibit	Test Setup Photo Exhibit
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Photo.pdf

Specification Requirements	Description
47 Cfr 1.1307(b),2.1091,2.1093	RF Exposure Hazard
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit. The RF exposure exhibit in the original filing is still worst case. The antenna gain represented there is still higher than any of the new antennas applied for. The applicant has provided additional information supporting the new antenna continuing compliance.
Reference	Exhibit in Original Filing and Ant List MPE

Specification Requirements	Description
47 Cfr 15.33	Frequency range of tests
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 15.35	Measurement detectors
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 15.203	Antenna Requirements
Opinion	The device meets the requirements of the rule.
Discussion	Further, this requirement does not apply to intentional radiators that must be professionally installed. Each of the antennas also provides unique connectors.
Reference	CFR, Ant List.pdf and Grant specifies this

Specification Requirements	Description
47 Cfr 15.209	Spurious Emissions
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 cfr 15.247	Operation within specified bands
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
47 Cfr 15.247(d)	Spurious Radiated Emissions
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf

Specification Requirements	Description
RSS210 RSS310	Spurious Emissions Requirements
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Report.pdf