

Information about the Applicant

Company Name	Intermec Technologies Corporation
Grantee	Dave Fry
Address	550 Second St. SE
City, State, Zip	Cedar Rapids, IA 52401
Job Number	ITRM0037
Model	RF Identification PC Card
FCC ID	EHARFID915PCC-6
Agent	none
Approval Type	Class II Permissive Change
Equipment Class	DSS Part 15 Spread Spectrum Transmitter
Rule Part	15.247

Overview

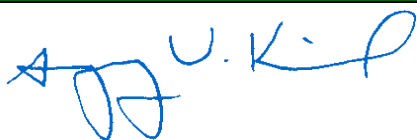
The radio device is a previously certified frequency hopping spread spectrum radio module operating in the band of 902 - 928 MHz under 15.247 of the rules. The original certification included a stand-alone radiated emissions test configuration (external to a notebook PC). In this configuration, panel antennas were approved for use with the radio (Mobile Mark 2 dBi Panel and Astron 3 dBi Raised Panel antennas). In this configuration, the FCC grant specifies a 20 cm separation distance between the antennas and all persons. The grant also prohibits co-location and operating in conjunction with any other antenna or transmitter.

The purpose of this Class II permissive change is to add 2 more panel antennas for use with the same previously approved radio configuration that utilizes panel antennas. The new antennas are lesser gain than the panel antennas already approved in the original application. Due to the reduced gain of these antennas (relative to the already approved antennas), radiated spurious emissions testing was deemed unnecessary by the applicant and not performed.

Also, conducted emissions data was submitted to demonstrate compliance with the new 15.207 limits (FCC Part 15, Version April 23, 2004).

Recommendation

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

Signature

8/12/2004

Greg Kiemel, TCB Committee

Findings

Opinions	
Specification Requirements	Description
47 Cfr 2.1033(b)(4)	Antenna Information
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Antenna Information.pdf

Specification Requirements	Description
47 Cfr 2.1033(b)(6)	Report of measurements
Opinion	The device meets the conducted emissions requirements of 15.207. Radiated emissions tests not required because the antennas are the same type as previously certified, but lower gain.
Discussion	The client has provided the necessary exhibit.
Reference	Test Report.pdf

Specification Requirements	Description
47 Cfr 2.1033(b)(7)	Antenna photos or drawings
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Antenna Information.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	Test Setup Photos.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 requiring MPE estimates.
Discussion	The client has provided the necessary exhibit. The calculations were verified.
Reference	RF Exposure.pdf

Specification Requirements	Description
47 Cfr 15.203	Antenna Requirements
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Test Report.pdf

Specification Requirements	Description
47 Cfr 15.207	Power line Conducted emissions
Opinion	The device meets the requirements of the latest version of FCC Part 15.207.
Discussion	The client has provided the necessary exhibit.
Reference	Test Report.pdf