

Information about the Applicant	
Company Name	Intermec Technologies Corporation
Grantee	Cheryl White
Address	6001 36th Ave W
City, State, Zip	Everett, WA 98203
Job Number	ITRM0056
Model	C30XX
FCC ID	HN2-C30XX
Agent	none
Approval Type	Original
Equipment Class	DTS Digital Transmission System
Rule Part	Bluetooth

Overview

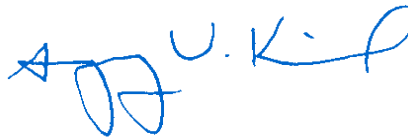
Intermec Technologies Corporation is seeking certification of their Model C30XX Bluetooth radio module under 15.247 of the FCC rules. Intermec Technologies Corporation is requesting Limited Modular Approval of the C30XX radio as a portable module with some mobile exposure conditions. This particular application includes co-location with an RFID radio in a mobile configuration. Future portable integrations will require Class 2 permissive changes that include SAR data.

The Bluetooth radio module is manufactured by Mitsumi and is sourced to Intermec via a USA distributor. A 7 Layers EMC report is included in the filing showing the transmitter conducted characteristics and radiated spurious emissions as a module. The 7 Layers report was originally filed for FCC ID: POOWML-C30XX. An Intermec co-location EMC report is also included in this filing to show compliance during simultaneous transmission with an RFID radio in a mobile configuration.

Recommendation

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

Signature



2/9/2005

Greg Kiemel, TCB Committee

Findings	
Specification	Finding
47 Cfr 2.1033(b)(5)	Schematic diagram
Finding	A model C20AH is listed on the schematics
Resolution	The client provided an updated attestation letter that explains the difference in model numbers. .

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 Info and Compliance Statement.pdf

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

Specification Requirements	Description
47 Cfr 2.1033(b)(5)	Frequency block diagram
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Operational Description.pdf

Specification Requirements	Description
47 Cfr 2.1033(b)(5)	Schematic diagram
Opinion	The device meets the requirements of the rule.
Discussion	The client has submitted the required information.
Reference	Schematics.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	7 Layers Test Report.pdf, Co-location Test 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	7 Layers Test Report.pdf, Co-location Test Report.pdf

Specification Requirements	Description
47 Cfr 2.1033(b)(7)	Internal and external photos
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	Internal Photos.pdf, External Photos.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.
Discussion	The client has provided the necessary exhibit.
Reference	RF Exposure.pdf, RF Exposure - Colocation inside IV6.pdf

Specification Requirements	Description
47 Cfr 15.19	Labeling
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	User Info and Compliance Statement.pdf

Specification Requirements	Description
47 Cfr 15.21	Information for user
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	User Info and Compliance Statement.pdf

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	7 Layers Test Report.pdf, Co-location Test 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	7 Layers Test Report.pdf, Co-location Test Report.pdf

Specification Requirements	Description
ANSI C63.4 EUT Ports	All EUT ports populated, emissions maximized, Antenna height adjusted
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test Report.pdf, Co-location Test Report.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	Antenna Info.pdf

Specification Requirements	Description
47 Cfr 15.205	Restricted bands
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test Report.pdf, Co-location Test Report.pdf

Specification Requirements	Description
47 Cfr 15.207	Power line Conducted emissions
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test Report.pdf, Co-location Test Report.pdf, Co-location AC Conducted Test Data.pdf

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	7 Layers Test Report.pdf, Co-location Test Report.pdf

Specification Requirements	Description
BLUETOOTH FCC Procedure 2-15-02	Bluetooth Common Items
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test Report Annex.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	7 Layers Test Report.pdf, Co-location Test Report.pdf

Specification Requirements	Description
47 Cfr 15.247(a)	Occupied Bandwidth
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test Report.pdf

Specification Requirements	Description
47 Cfr 15.247(b)	Output Power
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test Report.pdf

Specification Requirements	Description
47 Cfr 15.247(d)	Band Edge Compliance
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test Report.pdf

Specification Requirements	Description
47 Cfr 15.247(d)	Spurious Conducted Emissions
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test 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	7 Layers Test Report.pdf, Co-location Test Report.pdf

Specification Requirements	Description
47 Cfr 15.247(e)	Power Spectral Density
Opinion	The device meets the requirements of the rule.
Discussion	The client has provided the necessary exhibit.
Reference	7 Layers Test Report.pdf