Information about the Applicant

Applicant:	Intermec Technologies Corporation
Address:	550 Second St. SE
City, State, Zip	Cedar Rapids, IA 52401-2023
Test Requested By:	Scott Holub
Model:	EM3420 with 6820
FCC ID:	EHAEM3420
Agent	Northwest EMC, Inc.
Approval Type	Class II Permissive Change
Equipment Type	CDMA radio module
Rule Part	22H and 24E

Overview

This application for the Class II Permissive Change of Intermec's EM3420 transmitter, FCC ID: EHAEM3420. It is a CDMA radio module. It was granted limited modular approval as a portable device for use in Intermec's handheld computer, Model 700C. There have been no changes to the radio or its antenna. Approval is sought for use two different mobile co-located radio configurations. Please reference the included email from the FCC that approves the TCB eligibility for processing this application.

1st Configuration

Intermec has a previously certified RFID radio module (FCC ID: EHARFID915PCC-6) that is installed inside Intermec's Model IP3. The IP3 is an optional pistol grip accessory that attaches externally to the bottom of Intermec's 700C. The 700C is a handheld computer that contains three co-located radio modules (CDMA (or GSM), 802.11(b) and Bluetooth). All radios have been previously certified for portable, co-located use in the 700C (FCC ID: HN22011B-2 (802.11b), HN2ABTM3-3 (Bluetooth) or EHABTS080 (Bluetooth), HN2SB555-2 (CDMA) or EHA700C-SMC45-1 (GSM)). Please note that the CDMA and GSM radios are never installed in the same 700C. Only one Bluetooth radio can be installed in the same handheld computer. Each radio transmits through its own antenna. This Class II application demonstrates compliance with FCC requirements while the EM3420 module (FCC ID: EHAEM3420) installed in the 700C is co-located with the IP3 (FCC ID: EHARFID915PCC-6). In this configuration, the 700C cannot be used in any body-worn configurations (holsters, belt clips, lanyards, etc). Also, it cannot be used as a cell phone near the head. In this configuration the CDMA (or GSM) radio, is for wide area network (WAN) data transmission only. Since the IP3 uses the same IRDA interface port as the Bluetooth radio, the Bluetooth and RFID radios cannot transmit simultaneously. All other radios can transmit simultaneously. Each radio transmits through its own antenna.

2nd Configuration

Intermec's 6820 printer with Bluetooth transmitter (FCC ID: EHABTS080-1) includes a docking station for Intermec's handheld computers, Models 700C and 730. Each radio transmits through its own antenna. This Class II application demonstrates compliance with FCC requirements while the EM3420 module (FCC ID: EHAEM3420) installed in the 700C is co-located with the 6820 printer (FCC ID: EHABTS080-1). In this configuration, the 700C cannot be used in any body-worn configurations (holsters, belt clips, lanyards, etc). Also, it cannot be used as a cell phone near the head. In this configuration the CDMA (or GSM) radio, is for wide area network (WAN) data transmission only. The technical reports and RF Exposure exhibits are supplied in support of the two mobile collocation conditions described above

The technical reports and exhibits demonstrate compliance with FCC rules 47 CFR 22H and 24E.

Findings

Recommendation

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

Signature

Opinion

Specification Requirements	Description
FCC 22.917(a) and FCC 24.238(a)	Spurious Emissions, Radiated Emissions, Simultaneous Transmit

Opinion: The Equipment meets the intent specified by the requirements listed above.

Discussion: The Applicant has submitted test results in the form of a test report.

Reference: Technical Report

Specification Requirements	Description
1.1307/2.1091	RF Exposure

Opinion: The Equipment meets the intent specified by the requirements listed above.

Discussion: The Applicant has submitted MPE estimates demonstrating compliance.

Reference: RF Exposure Exhibit