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January 18, 2013

Telecommunication Certification Body (and/or)
Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

Subject: Application for Original Certification, FCC ID: EHA-1000CP01F

Dear Application Examiner,

Intermec Technologies Corporation is submitting this application for certification of models 1000CP01F9 ***(CN70 RFID)***, 1000CP02F9 ***(CN70e RFID)***, and 1001CP01F9 ***(CK70 RFID)***. ***(Marketing brand name)***, under FCC ID: EHA-1000CP01F. The devices are handheld computers containing currently certified radio modules the Intermec Model RC12 FCC ID: EHA-RC12 and IM11 FCC ID: EHA-IM11. The RC12 module is an 802.11 a/b/g/n - Bluetooth radio, the IM11 is a RFID module utilizing 902-928 MHz FHSS to read tags. The original test reports for these modules accurately represent test results when integrated in to the computers listed above. System authorization is sought under FCC 15.247 and FCC 15.407.

The models 1000CP01F9, 1000CP02F9, and 1001CP01F9 are electrically and mechanically identical except in the size of the keyboard and battery. Everything above the keyboard, including the radio module, antenna, main system board, LCD, is electrically and mechanically identical. Internal and external photos for all three models have been submitted with this application. Please note that brand names instead of model numbers are used in the some of the exhibits.

The 802.11 and Bluetooth radios share their antenna and cannot transmit simultaneously. The RFID and 802.11 a/b/g/n transmitters can transmit simultaneously but the antenna spacing is 3.7 cm. Per FCC KDB 648474 the BT transmitter is exempt from SAR with an output bower 7 mW. The RFID and 802.11 radios are greater than $2*P_{ref}$ for all bands and require stand-alone SAR. Sums of the RFID and 802.11 SAR in each model was less than 1.6 W/kg, eliminating the need for simultaneous transmission SAR testing. A SAR evaluation was performed on all three models including analysis of 5 body worn holsters with 5mm minimum spacing.

The radio can operate in the DFS frequency bands as a client device only. It has no radar detection and no ad-hoc capability. A DFS test for a client device was performed.

The antennae are integral to the handheld computer and are not user accessible, therefore compliant to FCC 15.203 unique antenna connector requirements.

Your efforts in reviewing this application are greatly appreciated. Please contact me if there are questions or additional information needed concerning this request.

Sincerely,

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