

NORTHWEST EMC, INC.

22975 NW Evergreen Parkway, Suite 400
Hillsboro, OR 97124

November 16, 2004

Dear Application Examiner:

On behalf of Intermec Corporation, Northwest EMC Inc is submitting this application for the Class II Permissive Change of Intermec's 2011B radio module, FCC ID: HN22011B-2. There have been no changes to the 2011B radio module or antennas. Approval is sought for use with two other co-located radios. Please reference the attached email to Tim Harrington of the FCC outlining the overall compliance strategy for the 700C.

The 2011B is a 802.11(b) radio module installed inside Intermec's handheld computer, Model 700C. The 700C contains previously certified co-located radio modules (FCC ID: HN22011B-2 (802.11b), HN2ABTM3-3 (Bluetooth), HN2SB555-2 (CDMA) or EHA700C-SMC45-1 (GSM)). CDMA and GSM radio modules can't 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 2011B is co-located with a new Bluetooth module, FCC ID: EHABTS080; and a new CDMA module, FCC ID: EHAEM3420. These co-location configurations occur when the radio modules are installed inside Intermec's 700C. SAR and EMC measurements were made with the radios transmitting simultaneously.

The technical reports and exhibits demonstrate compliance with FCC rules 15.247.

Your efforts in reviewing this application are greatly appreciated.

Best regards,

A handwritten signature in blue ink, appearing to read "G. Kiemel", with a stylized flourish at the end.

Greg Kiemel, Director of Engineering
Northwest EMC, Inc.

Date: Thu, 02 Sep 2004 19:29:47 -0700
To: tim.harrington@fcc.gov
From: Greg Kiemel <gkiemel@nwemc.com>
Subject: Intermec FCC applications
Cc: dghizzone@nwemc.com, valbertson@nwemc.com, dtolman@nwemc.com, kvalleen@nwemc.com
Bcc:
X-Attachments:
In-Reply-To:
References:

Tim,

Due to obsolescence, Intermec is replacing the various radio modules approved for use in their 700C hand held computer. Unfortunately, all the radio modules are not being replaced simultaneously.

The first radio module to be replaced is the CDMA radio FCC ID: HN2SB555-2. Its replacement is FCC ID: EHAEM3420 and is currently under technical review at the FCC.

The second radio module to be replaced is the Bluetooth radio FCC ID: HN2ABTM3-3. Its replacement is FCC ID: EHABTS080 and is currently under technical review at the FCC.

The third radio module to be replaced is the 802.11b radio FCC ID: HN22011B-2. Its replacement was just received in our test lab this week. The application won't be submitted to the FCC for at least 3 more weeks.

Our hope is that the first two radios, FCC ID: EHAEM3420 and FCC ID: EHABTS080 will be granted shortly. Then the following C2PC applications will be made to permit colocation and simultaneous transmission:

- HN22011B-2 to permit co-location with EHAEM3420 and EHABTS080 (Submitted to the FCC.)
- EHARFID915PCC-6 to permit co-location with EHAEM3420 (Submitted to TCB because it is only for the mobile exposure configuration - 700C with IP3. Note that HN2ABTM3-3 or EHABTS080 cannot simultaneously transmit with EHARFID915PCCC-6 because they share the same IRDA port on the 700C.)
- EHABTS080-1 to permit co-location with EHAEM3420 and EHABTS080 (Submitted to TCB because it is only for a mobile exposure configuration.)
- EHA700C-SMC45-1 to permit co-location with EHABTS080 (Submitted to the FCC. Note that EHAEM3420 cannot be installed with EHA700C-SMC45-1 in the 700C.)

Each radio module used in the 700C can be used individually or in combination with the other one or two radio modules. The exception is the CDMA and GSM radios cannot be installed in the same 700C. The 700C can also be co-located with two mobile devices - the IP3 (RFID tag reader) and the 6820 Bluetooth enabled printer.

I hope this overview is useful. Please let me know if you have any more questions. I am happy to provide as much detail as required.

Best regards,
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