

NORTHWEST EMC, INC.

22975 NW Evergreen Parkway, Suite 400
Hillsboro, OR 97124

August 25, 2003

Dear Application Examiner:

Intermec Corporation's Model 802MIG2, mini PCI radio card, FCC ID: HN2802MIG2 is seeking modular approval. The EUT meets the requirements for modular approval as detailed in FCC Public Notice DA00-1407. Compliance to each of the requirements is described below:

1. **"The modular transmitter must have its own RF shielding."** The radio portion of the module is contained in its own RF shielding. The shielding is installed at the factory. Please see Exhibit "External Photos.pdf" for photos of the shielding.
2. **"The modular transmitter must have buffered modulation/data inputs."** The EUT has buffered data inputs to insure compliance with Part 15 requirements under conditions of excessive data rates or over-modulation. Please see Exhibit "Schematic.pdf" for radio schematics of the module.
3. **"The modular transmitter must have its own power supply regulation."** The EUT has its own power supply regulation to insure compliance with Part 15 requirements regardless of the quality or level of external DC supplying the module from the host unit. Please see Exhibit "Schematic.pdf" for schematics of DC regulation.
4. **"The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c)."** The EUT meets the FCC antenna requirements. Please see Exhibit "Antenna Info.pdf" for antenna information.
5. **"The modular transmitter must be tested in a stand-alone configuration."** The EUT was tested in a stand-alone configuration. Please see Exhibit "Test Setup Photos.pdf" for test setup photos, and Exhibit "Report-INMC0086.pdf" for the technical report.
6. **"The modular transmitter must be labeled with its own FCC ID number."** The EUT is labeled with its own FCC ID number. Please see Exhibit "FCC ID Label and Location on card.pdf" for a photograph of the label and its location on the device. Since the FCC ID number will not be visible when the module is installed inside a host printer, another label with the FCC ID will be applied to the exterior of the printer. Please see Exhibit "FCC ID Label on host device.pdf" for an example.

7. **“The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.”** The EUT is compliant with all applicable FCC rules. Detail instructions for maintaining compliance are given in the User Manual (see Exhibit “Users Manual.pdf”) .
8. **“The modular transmitter must comply with any applicable RF exposure requirements.”** The EUT is compliant with all applicable RF exposure requirements. RF Exposure is addressed in Exhibit “RF Exposure.pdf”.

Please contact me if you have additional questions. Your attention to this matter is greatly appreciated.

Best regards,

A handwritten signature in blue ink, appearing to read "G. Kiemel". The signature is stylized with a large "G" and a long horizontal stroke.

Greg Kiemel, Director of Engineering
Northwest EMC, Inc.