

**NORTHWEST EMC, INC.**

22975 NW Evergreen Parkway, Suite 400  
Hillsboro, OR 97124

July 10, 2005

Dear Application Examiner:


Tripod's USI radio module, FCC ID: S9E-RNGR80BT is seeking limited modular approval. The radio meets the requirements for limited 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 the Internal Photos exhibit.
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 the Schematics exhibit.
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 Schematics exhibit.
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 Antenna information exhibit and internal photos exhibit.
5. **“The modular transmitter must be tested in a stand-alone configuration.”** The EUT was not tested in a stand-alone configuration. The module was installed in Tripod's Ranger X Series handheld computer. The Ranger X also contains a 2.4 GHz Frequency Hopping Spread Spectrum radio module, FCC ID: S9E-RNGR2410, that is currently seeking certification. This is why Tripod is seeking limited modular approval of their USI radio module in this host-specific configuration.
6. **“The modular transmitter must be labeled with its own FCC ID number.”** The EUT is not labeled with its own FCC ID number since it will always be factory installed by Tripod into their Ranger X Series handheld computer. The exterior of the Ranger X is labeled with the EUT's FCC ID number. Please see FCC ID label & location exhibit.

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.
  
8. **“The modular transmitter must comply with any applicable RF exposure requirements.”** The EUT is compliant with all applicable RF exposure requirements. Please see the RF Exposure exhibit and the User Manual.

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 and includes a large "G" and "K".

Greg Kiemel, Director of Engineering  
Northwest EMC, Inc.