

Information about the Applicant

Applicant:	Tripod Data Systems, Inc.
Address:	345 SW Avery Ave
City, State, Zip	Corvallis, OR 97333
Test Requested By:	Dennis York
Model:	Cirronet installed in the Pocket PC Handheld Data Collector
FCC ID:	S9E-RNGR2410
Agent	Northwest EMC, Inc.
Approval Type	Certification
Equipment Type	Low power intentional radiator
Rule Part	15.247

Overview

This application for the certification of Tripod's Cirronet radio module, FCC ID: S9E-RNGR2410. It is a frequency hopping spread spectrum radio operating in the 2.4 GHz band. The radio module is installed in Tripod's Ranger X Series handheld computer and is seeking limited modular approval for that mobile host configuration. Ranger X handheld computer will also contain a second radio module (USI) that is currently seeking limited modular approval under FCC ID: S9E-RNGR80BT. It is an 802.11b / Bluetooth combo radio. All radios in the Ranger X can transmit simultaneously – each radio through its own antenna. The Cirronet radio utilizes a single integral antenna. This configuration satisfies the requirements of 47 CFR 15.203. The Cirronet radio was previously certified under FCC ID: HSW-2410M. This new application for certification is required for the co-located exposure condition in Tripod's Ranger X handheld. However, all the antenna direct connect test data from the previous certification continues to be representative, and is used in support of this application. New radiated spurious emissions data and AC powerline conducted emissions data was taken for Tripod's Ranger X configuration and is documented in the Northwest EMC test report.

Findings

Finding:	The FCC ID in the form 410 is missing the hyphen
Resolution:	Corrected document (with client approval)

Recommendation

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

Signature

Opinion

Specification Requirements	Description
15.207	Conducted Power Line Emissions

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
15.247(d)	Spurious Emissions, Radiated Emissions

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
2.1091/15.247	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

Specification Requirements	Description
Additional Requirements	FCC Compliance requirements for Limited Modular Approval

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

Discussion: The Applicant has submitted the required information in the test report.

Reference: Letter supporting Limited Modular Approval