

Information about the Applicant

Applicant:	Intermec Corporation
Address:	6001 36 th Avenue West
City, State, Zip	Everett, WA 98203-9280
Test Requested By:	Carl Turk
Model:	SB555 Radio in 700C
FCC ID:	HN2SB555
Agent	Northwest EMC, Inc.
Approval Type	Reference Northwest EMC Technical Report – General Information
Equipment Type	Reference Northwest EMC Technical Report – General Information
Rule Part	Reference Northwest EMC Technical Report – General Information

Overview

This application is for the certification of Intermec's SB555 radio, FCC ID: HN2SB555. It is a dual-band wireless modem that supports both the 800 MHz and 1900 MHz PCS bands. It operates from 824 – 849 MHz and from 1850 – 1910 MHz, with a peak output power of 224 mW. This RF module will only be used in the applicant's 700C hand held terminal as a mobile transmitter.

The EUT can be configured with one of two different antennas. The EUT will be co-located with two other radios: FCC ID:HN22011B (802.11(b) radio), and FCC ID:HN2ABTM3-2 (Bluetooth radio). Any two of the three radios can transmit simultaneously. All three radios cannot transmit simultaneously. Each radio transmits through its own antenna. The Northwest EMC technical report and associated spurious emissions data are supplied in support of the two antennas and simultaneous transmission of the co-located radios. The RF exposure exhibit also addresses the exposure conditions of the co-located radios.

Sierra Wireless Inc. was previously granted certification for this same radio module (FCC ID: N7NSB555). The applicant is not seeking to modify or alter the Sierra Wireless grant in any way.

Separate technical reports prepared by Compliance Certification Services for the Sierra Wireless application documents compliance of the radio. The applicant certifies that the radios described in both technical reports are identical.

The technical reports and exhibits demonstrate compliance with FCC rules 47 CFR 22H and 47 CFR 24E.

Review of this application has been done taking the Sierra Wireless report at face value, only thoroughly evaluating the additional information and data.

General Comments

Item	Replace RF Exposure exhibit with the new exhibit provided in the file.
Resolution	Exhibit has been replaced.
Item	Replace the Antenna analysis exhibit provided with the new RF Exposure exhibit in the file.
Resolution	Exhibit has been replaced.

Opinion

Specification Requirements	Description
2.1091	RF Exposure

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

Discussion: The Applicant has submitted MPE estimates demonstrating compliance.

Reference: Exhibit N

Specification Requirements	Description
15.207	Conducted 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: Exhibit L, M, and N

Specification Requirements	Description
2.1049	Occupied Bandwidth

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: Exhibit W

Specification Requirements	Description
2.1046	RF Power Output

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: Exhibit W and J

Specification Requirements	Description
2.1051, 22.901(d), 22.917(f), 22438(a)	Spurious Emissions, Antenna Conducted

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: Exhibit W

Specification Requirements	Description
2.1043	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: Exhibit W and U

Specification Requirements	Description
2.1055	Frequency Stability

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: Exhibit W