

Information about the Applicant

Applicant:	PSC Inc.
Address:	959 Terry Street
City, State, Zip	Eugene, OR 97402-9120
Test Requested By:	Jerry Kalina
Model:	Falcon 5500
FCC ID:	O9NFALCON5500
Agent	Northwest EMC, Inc.
Approval Type	Certification
Equipment Type	Low power intentional radiator
Rule Part	15.247

Overview

This application is for the certification of PSC's Falcon 5500 transmitter, FCC ID: O9NFALCON5500. The Falcon 5500 is a hand-held RFID computer used to read barcode labels and Radio Frequency Identification (ID) (RFID) tags for inventory management applications. The integral RFID radio operates in the 902 – 928 MHz band as a frequency hopping spread spectrum transmitter. The Falcon 5500 is battery operated, but can operate while placed in its charging dock. The radio utilizes a single integral patch antenna. This configuration satisfies the requirements of 47 CFR 15.203. The receiver portion of this radio transceiver has been verified to FCC 15B.

Findings

Finding	
Resolution	

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
15.247(d)	Spurious Emissions, 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: Technical Report

Specification Requirements	Description
15.247(d)	Band Edge Compliance

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(b)	Output Power

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(a) (1)	Number of Hopping Frequencies

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(a) (1)	Dwell Time

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(a) (1)	Channel Spacing

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(a)	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: Technical Report

Specification Requirements	Description
2.1091/15.247(b)(5)	RF Exposure

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

Discussion: The Applicant has submitted a RF Exposure Exhibit demonstrating compliance.

Reference: RF Exposure Exhibit