

Information about the Applicant	
Company Name	Schweitzer Engineering Laboratories, Inc.
Grantee	Don MacArthur
Address	2350 NE Hopkins Court
City, State, Zip	Pullman, WA 99163
Job Number	SCHW0069
Model	SEL-8310
FCC ID	R34SEL-8310
Agent	Northwest EMC
Approval Type	Original
Equipment Class	DXT Part 15, Low Power Transceiver, Rx Verified
Rule Part	15.249

Industry Canada Information	
Model	SEL-8310
Industry Canada ID	4468A-SEL8310
Rule Part	RSS210

### Overview

This device is a Wireless Remote Fault Reader. The radio operates in the 902-928 MHz band and uses FSK modulation. The SEL-8310, as part of the RadioRANGER system, helps locate underground faults. The SEL-8310 communicates with an underground SEL-8300 that monitors fault conditions on up to four 3-phase circuits per installation. It is battery operated with no provision for connection to the AC mains either directly, or indirectly from another device.

The radio works with two different types of antennas: an internal coaxial dipole or a remote ¼ wave stub with a magnetic base. The remote antenna is connected through 10 feet of RG-58U coax cable and is intended for use on the roof of a vehicle. Testing was performed with both types of antennas. These configurations satisfy the requirements of 47 CFR 15.203.

### Recommendation

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

### Signature



Dave Tolman, TCB Committee  
3/8/2007

<b>Findings</b>	
<b>Specification</b>	<b>Finding</b>
<b>47 Cfr 15.21</b>	Information for user
<b>Finding</b>	The necessary information was not found. The user manual shall instruct the user that modification to the device could void the user's authority to operate the device.
<b>Resolution</b>	The information was provided the necessary information and inserted into the user manual.