



Federal Communications Commission
Office of Engineering and Technology

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Organization: Recognition Source, LLC
Product: MIRL 902-928 MHz Transceiver

FCC ID: PM7-DCMI2001

We have the following new configurations (class II permissive changes) for the above FCC ID:

1. This PIM-OTD has TWO new External Antenna Options: The PIM-OTD's internal "C" antenna would not be installed when using either external antenna. The external antennas are manufactured in a NEMA-4 enclosure and intended for outdoor installations. The external antennas can be used up to 15 feet from the PIM-OTD location. The external antennas are used where the internal "C" antenna cannot be used to obtain reliable communications or where obstructions are present. The following are the two remote antennas:

- a) PIM-OTD with ANT-REMOTE antenna.
This antenna is the same "C" antenna mounted externally.
- b) PIM-OTD with ANT-6DB-FLAT antenna
This antenna is a MAXRAD Model MP8906PT, 5.4 dBi gain antenna

The PIM-OTD with internal C antenna has been previously certified as a permissive change.

2. WUSI with internal "C" antenna
The WUSI is a DCMI like product. This configuration is intended for line powered wireless access control. It is intended for a single reader and door system. It accepts standard third party readers. It shares its baseband board design with the WRI. The base board is different from the PIM-OTD. The baseband board is the unintentional radiator portion of the EUT.
3. WRI with internal "C" antenna
This configuration is intended for line powered wireless access control. It is manufactured in a NEMA-4 enclosure and intended for outdoor installations. Typical installations include parking garages and the like. It shares its baseband board design with the WUSI.

The WRI has THREE antenna configurations.

This WRI configuration also has one internal and two External Antenna Options: The WRI's internal "C" antenna would not be installed when using either external antenna. The external antennas are manufactured in a NEMA-4 enclosure and intended for outdoor installations. The external antennas can be used up to 15 feet from the WRI location. The external antennas are used where the internal "C" antenna cannot be used to obtain reliable communications or where obstructions are present. The following are the two remote antennas

- a) WRI with ANT-REMOTE antenna.
This antenna is the same "C" antenna mounted externally.
- b) WRI with ANT-6DB-FLAT antenna
This antenna is a MAXRAD Model MP8906PT, 5.4 dBi gain antenna

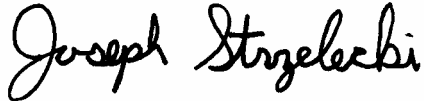
The Rated power was not changed. All of these items use the same DSSS RF transceiver that was previously certified.

Once we complete the permissive change, we would like to market the old and new versions of the product.

We are attaching 5 manuals. The WAS manual (Wireless Access System) is the manual for all configurations. There is also a PIM, WRI and WUSI manuals for the configurations listed above. The RAM Manual (Remote antenna Module) is for the external antennas for the PIM and the WRI.

Radiometrics is an authorized agent for Recognition Source, Inc. If there are any questions about the testing or this submittal, please contact me, Joseph Strzelecki. My email is joe@radiomet.com and phone number is 815-293-0772.

Sincerely,

A handwritten signature in black ink that reads "Joseph Strzelecki". The signature is written in a cursive, flowing style.

Joseph Strzelecki, NCE
Radiometrics Midwest Corporation
Authorized Agent for Recognition Source, LLC