

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WE2XCL

(Call Sign)

0124-EX-ML-2009

(File Number)

NAME ReconRobotics, LLC

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Minnetonka (HENNEPIN), MN, within 1 km, centered around NL 44-54-21; WL 93-24-16
- (2) MOBILE: Oceanside (SAN DIEGO), CA, within 20 km, centered around NL 33-13-34; WL 117-19-49
- (3) MOBILE: San Bernardino (SAN BERNARDINO), CA, within 30 km, centered around NL 34-06-16; WL 117-21-32
- (4) MOBILE: South St. Paul (DAKOTA), MN, within 1 km, centered around NL 44-53-23; WL 93-01-32
- (5) MOBILE: Glencoe (MCLEOD), MN, within 1 km, centered around NL 44-43-29; WL 94-07-54
- (6) MOBILE: Alameda County, California, within 50 km, centered around NL 37-48-15; WL 122-16-11

Frequency Information

MOBILE: Minnetonka (HENNEPIN), MN, within 1 km, centered around NL 44-54-21; WL 93-24-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
913-919 MHz	FX	5M75C3F	1 W (ERP)	

This authorization effective February 16, 2010 and
will expire 3:00 A.M. EST February 16, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Minnetonka (HENNEPIN), MN, within 1 km, centered around NL 44-54-21; WL 93-24-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
913-919 MHz	FX	250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Oceanside (SAN DIEGO), CA, within 20 km, centered around NL 33-13-34; WL 117-19-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
913-919 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: San Bernardino (SAN BERNARDINO), CA, within 30 km, centered around NL 34-06-16; WL 117-21-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: San Bernardino (SAN BERNARDINO), CA, within 30 km, centered around NL 34-06-16; WL 117-21-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
913-919 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: South St. Paul (DAKOTA), MN, within 1 km, centered around NL 44-53-23; WL 93-01-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
913-919 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Glencoe (MCLEOD), MN, within 1 km, centered around NL 44-43-29; WL 94-07-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Frequency Information

MOBILE: Glencoe (MCLEOD), MN, within 1 km, centered around NL 44-43-29; WL 94-07-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
913-919 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

MOBILE: Alameda County, California, within 50 km, centered around NL 37-48-15; WL 122-16-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430.92-436.92 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
913-919 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	
2449-2455 MHz	FX	5M75C3F 250KF3E	1 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Licensee should be aware that the band 430.92-436.92 MHz is allocated for primary government radiolocation operations.

Special Conditions:

- (5) Operation is subject to prior coordination with Fixed Microwave licensees in the immediate area of the tests.