

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

EXPERIMENTAL

(Nature of Service)

WE2XUH

(Call Sign)

XC MO

(Class of Station)

0328-EX-PL-2008

(File Number)

NAME iRobot Corporation

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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Operation in and around Plymouth MA airport, within 40.2 km, centered around NL 41-54-30; WL 70-43-42
- (2) MOBILE: Area in and about the Gardner Municipal Airport, within 40.2 km, centered around NL 42-32-54; WL 72-00-54
- (3) MOBILE: In or around the Pepperell MA airport, within 40.2 km, centered around NL 42-41-42; WL 71-33-00
- (4) MOBILE: In or around 8 Crosby Drive, Bedford MA 01730 (iRobot Corp. manufacturing and test facility), within 40.2 km, centered around NL 42-30-23; WL 71-14-36
- (5) MOBILE: In and around 401 Leo St, Dayton OH (GEM City Manufacturer), within 40.2 km, centered around NL 39-46-58; WL 84-11-27
- (6) MOBILE: In and around 15 Barnabas Rd, Marion, MA 02758 (Polaris Co. manufacturer), within 40.2 km, centered around NL 41-42-33; WL 70-46-19
- (7) MOBILE: In or around 3484 Sacramento Dr, San Luis Obispo, CA, 93401 (iRobot field sales office), within 40.2 km, centered around NL 35-15-27; WL 120-38-41

Frequency Information

MOBILE: Operation in and around Plymouth MA airport, within 40.2 km, centered around NL 41-54-30; WL 70-43-42

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4940-4990 MHz | MO | 17M0D2D | 6.31 W (ERP) | |

This authorization effective October 03, 2008 and will expire 3:00 A.M. EST October 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Area in and about the Gardner Municipal Airport, within 40.2 km, centered around NL 42-32-54; WL 72-00-54

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4940-4990 MHz | MO | 17M0D2D | 8.91 W (ERP) | |

MOBILE: In or around the Pepperell MA airport, within 40.2 km, centered around NL 42-41-42; WL 71-33-00

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4940-4990 MHz | MO | 17M0D2D | 8.91 W (ERP) | |

MOBILE: In or around 8 Crosby Drive, Bedford MA 01730 (iRobot Corp. manufacturing and test facility), within 40.2 km, centered around NL 42-30-23; WL 71-14-36

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4940-4990 MHz | MO | 17M0D2D | 8.91 W (ERP) | |

MOBILE: In and around 401 Leo St, Dayton OH (GEM City Manufacturer), within 40.2 km, centered around NL 39-46-58; WL 84-11-27

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4940-4990 MHz | MO | 17M0D2D | 8.91 W (ERP) | |

Frequency Information

MOBILE: In and around 15 Barnabas Rd, Marion, MA 02758 (Polaris Co. manufacturer), within 40.2 km, centered around NL 41-42-33; WL 70-46-19

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4940-4990 MHz | MO | 17M0D2D | 8.91 W (ERP) | |

MOBILE: In or around 3484 Sacramento Dr, San Luis Obispo, CA, 93401 (iRobot field sales office), within 40.2 km, centered around NL 35-15-27; WL 120-38-41

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 4940-4990 MHz | MO | 17M0D2D | 8.91 W (ERP) | |

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Army; contract number W900KK-08-D-0033. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.