

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WH2XOA

(Call Sign)

0075-EX-ML-2015

(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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Bedford, MA, within 1 km, centered around NL 42-30-23; WL 71-14-36
- (2) MOBILE: Bedford, MA, within 0.1 km, centered around NL 42-29-26; WL 71-18-14
- (3) MOBILE: Billerica, MA, within 0.1 km, centered around NL 42-34-11; WL 71-15-16
- (4) MOBILE: Bedford, MA, within 0.1 km, centered around NL 42-29-48; WL 71-15-16
- (5) MOBILE: Burlington, MA, within 0.1 km, centered around NL 42-31-12; WL 71-11-25
- (6) MOBILE: Bedford, MA, within 0.1 km, centered around NL 42-29-18; WL 71-15-49
- (7) MOBILE: La Canada, CA, within 0.1 km, centered around NL 34-13-07; WL 118-11-27
- (8) MOBILE: Glendale, CA, within 0.1 km, centered around NL 34-10-33; WL 118-15-42
- (9) MOBILE: Pasadena, CA, within 0.1 km, centered around NL 34-09-55; WL 118-07-31
- (10) MOBILE: Melrose, MA, within 0.1 km, centered around NL 47-27-30; WL 71-02-56
- (11) MOBILE: Framingham, MA, within 0.1 km, centered around NL 42-18-47; WL 71-24-56
- (12) MOBILE: Arlington, MA, within 0.1 km, centered around NL 42-25-24; WL 71-11-35

Frequency Information

MOBILE: Bedford, MA, within 1 km, centered around NL 42-30-23; WL 71-14-36

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz  | MO            | 500MW7D             | 400 nW (ERP)     |                           |

This authorization effective June 18, 2015 and  
will expire 3:00 A.M. EST February 01, 2017

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Bedford, MA, within 1 km, centered around NL 42-30-23; WL 71-14-36

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

MOBILE: Bedford, MA, within 0.1 km, centered around NL 42-29-26; WL 71-18-14

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

## Frequency Information

MOBILE: Billerica, MA, within 0.1 km, centered around NL 42-34-11; WL 71-15-16

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

MOBILE: Bedford, MA, within 0.1 km, centered around NL 42-29-48; WL 71-15-16

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

## Frequency Information

MOBILE: Burlington, MA, within 0.1 km, centered around NL 42-31-12; WL 71-11-25

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

MOBILE: Bedford, MA, within 0.1 km, centered around NL 42-29-18; WL 71-15-49

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

## Frequency Information

MOBILE: La Canada, CA, within 0.1 km, centered around NL 34-13-07; WL 118-11-27

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

MOBILE: Glendale, CA, within 0.1 km, centered around NL 34-10-33; WL 118-15-42

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

## Frequency Information

MOBILE: Pasadena, CA, within 0.1 km, centered around NL 34-09-55; WL 118-07-31

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

MOBILE: Melrose, MA, within 0.1 km, centered around NL 47-27-30; WL 71-02-56

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

## Frequency Information

MOBILE: Framingham, MA, within 0.1 km, centered around NL 42-18-47; WL 71-24-56

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

MOBILE: Arlington, MA, within 0.1 km, centered around NL 42-25-24; WL 71-11-35

| Frequency  | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------|---------------------------|
| 3494 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 3993 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |
| 6489.6 MHz | MO            | 1G00W7D             | 400 nW (ERP)     |                           |
| 6490 MHz   | MO            | 500MW7D             | 400 nW (ERP)     |                           |

## Special Conditions:

- (1) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.

**Special Conditions:**

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.