

**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)

0129-EX-CR-2016

(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 February 01, 2017 and
will expire 3:00 A.M. EST February 01, 2019

**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) 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.