Steven Neill, 8 Crosby Drive, Bedford, MA 01730

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WJ9XDY
(Nature of Service)	(Call Sign)
XT MO	1174-EX-ST-2015
(Class of Station)	(File Number)

NAME iRobot Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:
To evaluate new radios for military robots command and control link.

Station Locations

(1) MOBILE: Bedford, MA, within 1 km, centered around NL 42-30-23; WL 71-14-36
(2) MOBILE: Ayer, MA (MOORE ARMY AIR FIELD), within 1 km, centered around NL 42-34-18; WL 71-36-12
(3) MOBILE: MANSFIELD, MA (DEVENS BUENA VISTA AVE), within 1 km, centered around NL 42-32-49; WL 71-36-38
(4) MOBILE: PEPPERELL, MA (PEPPERELL AIR FIELD), within 1 km, centered around NL 42-41-42; WL 71-33-00
(5) MOBILE: CLINTON, MA (Clinton Ma Abandoned Train Tunnel), within 1 km, centered around NL 42-24-18; WL 71-41-02
(6) MOBILE: Devens, MA (FT Devens Buena Vista test site), within 1 km, centered around NL 42-32-49; WL 71-36-38

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 (+/-)
1370-1390 MHz	MO	20M0W7D	13.5 W (ERP)	

This authorization effective November 16, 2015 and will expire 3:00 A.M. EST May 01, 2016

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 (+/-)
1370-1390 MHz	MO		13.5 W (ERP)	
		10M0W7D		

MOBILE: Ayer, MA (MOORE ARMY AIR FIELD), within 1 km, centered around NL 42-34-18; WL 71-36-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO		13.5 W (ERP)	
		20M0W7D		
		10M0W7D		

MOBILE: MANSFIELD, MA (DEVENS BUENA VISTA AVE), within 1 km, centered around NL 42-32-49; WL 71-36-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO		13.5 W (ERP)	
		20M0W7D		
		10M0W7D		

MOBILE: PEPPERELL, MA (PEPPERELL AIR FIELD), within 1 km, centered around NL 42-41-42; WL 71-33-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO		13.5 W (ERP)	
		20M0W7D		
		10M0W7D		

Frequency Information

MOBILE: CLINTON, MA (Clinton Ma Abandoned Train Tunnel), within 1 km, centered around NL 42-24-18; WL 71-41-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO		13.5 W (ERP)	
		20M0W7D		
		10M0W7D		

MOBILE: Devens, MA (FT Devens Buena Vista test site), within 1 km, centered around NL 42-32-49; WL 71-36-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO		13.5 W (ERP)	
		20M0W7D		
		10M0W7D		

Special Conditions:

(1) 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.

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

(3) The National Science Foundation notes footnote US 342, urging all practicable steps be taken to protect Radio Astronomy observations in the frequency range 1330 to 1400 MHz. This is a very important frequency range and is actively used by radio astronomers in the US. The NSF does not object to these tests, since these devices are said to be operated on the ground and at low power. The NSF requests that "all practicable steps shall be taken to protect the radio astronomy service from harmful interference."