

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WJ9XOX

(Call Sign)

XT FX MO

(Class of Station)

0297-EX-ST-2016

(File Number)

NAME Liquid Robotics Inc.

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 test equipment.

Station Locations

- (1) MOBILE: Waters West of Kona coast near Kawaihae Harbor, within 25 km, centered around NL 20-01-33; WL 155-55-02
- (2) Sunnyvale (SANTA CLARA), CA - NL 37-24-38; WL 122-00-15
- (3) MOBILE: Waters east of Virginia Beach, within 45 km, centered around NL 36-55-33; WL 75-40-06
- (4) Portsmouth, VA - NL 36-49-48; WL 76-17-50

Frequency Information

MOBILE: Waters West of Kona coast near Kawaihae Harbor, within 25 km, centered around NL 20-01-33; WL 155-55-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO	230KF1D	0.785 W (ERP)	
2400-2507 MHz	MO	32M5D1D	15.32 W (ERP)	

This authorization effective April 05, 2016 and
will expire 3:00 A.M. EST October 02, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Sunnyvale (SANTA CLARA), CA - NL 37-24-38; WL 122-00-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	230KF1D	0.785 W (ERP)	
2400-2507 MHz	MO	32M5D1D	15.32 W (ERP)	

MOBILE: Waters east of Virginia Beach, within 45 km, centered around NL 36-55-33; WL 75-40-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO	230KF1D	0.785 W (ERP)	
2400-2507 MHz	MO	32M5D1D	15.32 W (ERP)	

Portsmouth, VA - NL 36-49-48; WL 76-17-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	230KF1D	0.785 W (ERP)	
2400-2507 MHz	MO	32M5D1D	15.32 W (ERP)	

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.

Special Conditions:

- (3) Operation is subject to prior coordination in 2400-2500 MHz band with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (4) Operation is subject to prior coordination in 2500-2507 MHz band with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (5) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (6) Licensee is required to coordinate operations in 2400-2500 MHz band with existing microwave users in the area to avoid interference.