

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WK9XXX

(Call Sign)

0312-EX-ST-2017

(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:

Wave Relay is a Mobile Ad Hoc Networking System (MANET) designed to maintain connectivity on the move.

Station Locations

- (1) MOBILE: Virginia Beach, VA Coastal Waters, within 40 km, centered around NL 36-51-00; WL 75-58-29
- (2) MOBILE: Wallops Island, VA Coastal Waters, within 30 km, centered around NL 37-51-43; WL 75-27-07

Frequency Information

MOBILE: Virginia Beach, VA Coastal Waters, within 40 km, centered around NL 36-51-00; WL 75-58-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2482 MHz	MO	3M85G1D 7M70G1D	3.1 W (ERP)	

This authorization effective April 10, 2017 and
will expire 3:00 A.M. EST July 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Wallops Island, VA Coastal Waters, within 30 km, centered around NL 37-51-43; WL 75-27-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2482 MHz	MO	3M85G1D 7M70G1D	3.1 W (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Operation is subject to prior coordination 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.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) The Stop Buzzer point of contact is John Brennan at (408) 636-4273.
- (6) Liquid Robotics, Inc. must prior coordinate with:

Navy and Marine Corps Spectrum Office – Atlantic

Janet Baker

Email: janet.m.baker1@navy.mil

Phone: 757-444-4586.