

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

EXPERIMENTAL

(Nature of Service)

WI2XRK

(Call Sign)

XD      FX MO

(Class of Station)

0306-EX-CN-2016

(File Number)

NAME Liquid Robotics Inc.

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: Kawaihae, HI and Coastal Waters, within 30 km, centered around NL 20-02-10; WL 155-49-33
- (2) Sunnyvale (SANTA CLARA), CA - NL 37-24-37; WL 122-00-15

Frequency Information

MOBILE: Kawaihae, HI and Coastal Waters, within 30 km, centered around NL 20-02-10; WL 155-49-33

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2400-2482 MHz | MO            | 32M5D1D             | 15.5 W (ERP)     |                           |
|               |               | 3M85G1D             |                  |                           |
|               |               | 7M70G1D             |                  |                           |
|               |               | 15M4G1D             |                  |                           |

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2400-2482 MHz | FX            | 32M5D1D             | 15.5 W (ERP)     |                           |

This authorization effective February 06, 2017 and  
will expire 3:00 A.M. EST February 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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

| Frequency     | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------|------------------|---------------------------|
| 2400-2482 MHz | FX            | 3M85G1D<br>7M70G1D<br>15M4G1D | 15.5 W (ERP)     |                           |

## Special Conditions:

- (1) 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](http://freq.sbe.org/pdf_files/coordinators.pdf) to find the appropriate coordinator.
- (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.