

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WI2XRK

(Call Sign)

0638-EX-CR-2020

(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 01, 2021 and
will expire 3:00 A.M. EST February 01, 2023

**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 7M70G1D 15M4G1D	15.5 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (5) Licensee is required to coordinate operations in 2400-2482 MHz band with existing microwave users in the area to avoid interference.