

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

EXPERIMENTAL

(Nature of Service)

WK2XWA

(Call Sign)

XD FX MO

(Class of Station)

0191-EX-CN-2020

(File Number)

NAME Hydroid, 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: Atlantic Ocean (LANT), Virginia Beach, VA, within 50 km, centered around NL 36-55-51; WL 75-40-23
- (2) Virginia Beach, VA - NL 36-55-51; WL 75-40-23; MOBILE: Atlantic Ocean (LANT), within 50 km, centered around NL 36-55-51; WL 75-40-23
- (3) MOBILE: Atlantic Ocean (LANT), Virginia Beach, VA, within 50 km, centered around NL 36-55-51; WL 75-40-23

Frequency Information

MOBILE: Atlantic Ocean (LANT), Virginia Beach, VA, within 50 km, centered around NL 36-55-51; WL 75-40-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	500 W (ERP)	0.00003 %

This authorization effective March 26, 2020 and
will expire 3:00 A.M. EST April 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Virginia Beach, VA - NL 36-55-51; WL 75-40-23; MOBILE: Atlantic Ocean (LANT), within 50 km, centered around NL 36-55-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	1000 W (ERP)	0.00003 %

MOBILE: Atlantic Ocean (LANT), Virginia Beach, VA, within 50 km, centered around NL 36-55-51; WL 75-40-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	10 W (ERP)	0.00003 %

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) Operations must be an Non Interference Basis(NIB)/Non Protected Basis(NPB)/Not Prejudice to future decisions(NPFD).
- (4) Operations in the 5852 - 5872 MHz, licensee must avoid pointing the transmitting antenna main beam within 15 degrees of any point on the geostationary orbit arc located towards south, south-east and south-west.