

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

EXPERIMENTAL

(Nature of Service)

WC2XQG

(Call Sign)

XR FX MO

(Class of Station)

0192-EX-CR-2021

(File Number)

NAME UC Davis Bodega Marine Laboratory

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(a j) of the Commission's Rules

Station Locations

- (1) Bodega Bay (SONOMA), CA - NL 38-19-02; WL 123-04-19; MOBILE: , within 70 km, centered around NL 38-19-02; WL 123-04-19
- (2) Pt. Reyes Station (MARIN), CA - NL 38-02-52; WL 122-59-19
- (3) Fort Ross (SONOMA), CA - NL 38-34-03; WL 123-19-48; MOBILE: , within 70 km, centered around NL 38-34-03; WL 123-19-48
- (4) Bodega Bay (SONOMA), CA - NL 38-20-16; WL 123-03-02
- (5) Point Arena, CA - NL 38-55-43; WL 123-43-38

Frequency Information

Bodega Bay (SONOMA), CA - NL 38-19-02; WL 123-04-19; MOBILE: , within 70 km, centered around NL 38-19-02; WL 123-C

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.06 MHz	FX	115KP0N	40 W (ERP)	0.001 %
12.14 MHz	FX	115KP0N	40 W (ERP)	0.001 %
12.2 MHz	FX	115KP0N	40 W (ERP)	0.001 %

This authorization effective April 01, 2021 and
will expire 3:00 A.M. EST April 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Bodega Bay (SONOMA), CA - NL 38-19-02; WL 123-04-19; MOBILE: , within 70 km, centered around NL 38-19-02; WL 123-0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.46 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.51 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.57 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.63 MHz	FX	115KP0N	40 W (ERP)	0.001 %

Pt. Reyes Station (MARIN), CA - NL 38-02-52; WL 122-59-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.06 MHz	FX	115KP0N	40 W (ERP)	0.001 %
12.14 MHz	FX	115KP0N	40 W (ERP)	0.001 %
12.2 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.46 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.51 MHz	FX	115KP0N	40 W (ERP)	0.001 %

Frequency Information

Pt. Reyes Station (MARIN), CA - NL 38-02-52; WL 122-59-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.57 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.63 MHz	FX	115KP0N	40 W (ERP)	0.001 %

Fort Ross (SONOMA), CA - NL 38-34-03; WL 123-19-48; MOBILE: , within 70 km, centered around NL 38-34-03; WL 123-19-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.06 MHz	FX	115KP0N	40 W (ERP)	0.001 %
12.14 MHz	FX	115KP0N	40 W (ERP)	0.001 %
12.2 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.46 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.51 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.57 MHz	FX	115KP0N	40 W (ERP)	0.001 %
13.63 MHz	FX	115KP0N	40 W (ERP)	0.001 %

Frequency Information

Bodega Bay (SONOMA), CA - NL 38-20-16; WL 123-03-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4600 kHz	FX	40K0P0N	40 W (ERP)	0.001 %
4795 kHz	FX	40K0P0N	40 W (ERP)	0.001 %

Point Arena, CA - NL 38-55-43; WL 123-43-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4600 kHz	FX	40K0P0N	40 W (ERP)	0.001 %
4795 kHz	FX	40K0P0N	40 W (ERP)	0.001 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NSF contract #9907884. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.