

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

EXPERIMENTAL

(Nature of Service)

XR FX

(Class of Station)

WC2XZO

(Call Sign)

0048-EX-ML-2005

(File Number)

NAME University of Alaska Fairbanks Institute of Marine Science

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(c) of the Commission's Rules

Station Locations

- (1) Kenai, AK - NL 60-25-31; WL 151-17-20
- (2) Kenai, AK - NL 60-38-50; WL 151-21-24
- (3) Homer, AK - NL 59-39-26; WL 151-39-12
- (4) Homer, AK - NL 59-29-02; WL 151-38-50
- (5) Seward, AK - NL 59-50-07; WL 149-22-44
- (6) Middleton Island, AK - NL 59-24-33; WL 146-22-22
- (7) Cordova, AK - NL 60-41-19; WL 146-30-57
- (8) Cordova, AK - NL 60-26-42; WL 146-39-37
- (9) Deadhorse (North Slope), AK - NL 70-24-48; WL 148-31-53
- (10) Deadhorse (North Slope), AK - NL 70-21-12; WL 147-57-59

Frequency Information

Kenai, AK - NL 60-25-31; WL 151-17-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12060 kHz	FX	170KP0N	80 W (ERP)	0.001 %
12200 kHz	FX	170KP0N	80 W (ERP)	0.001 %

This authorization effective June 23, 2005 and
will expire 3:00 A.M. EST November 01, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Kenai, AK - NL 60-25-31; WL 151-17-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13460 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13510 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13570 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13630 KHZ	FX	170KP0N	80 W (ERP)	0.001 %

Kenai, AK - NL 60-38-50; WL 151-21-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12060 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
12200 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13460 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13510 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13570 KHZ	FX	170KP0N	80 W (ERP)	0.001 %

Frequency Information

Kenai, AK - NL 60-38-50; WL 151-21-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13630 kHz	FX	170KP0N	80 W (ERP)	0.001 %

Homer, AK - NL 59-39-26; WL 151-39-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
4600 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
4800 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
4900 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
5100 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
12060 kHz	FX	170KP0N	40 W (ERP)	0.001 %
12200 kHz	FX	170KP0N	40 W (ERP)	0.001 %
13460 kHz	FX	170KP0N	80 W (ERP)	0.001 %

Frequency Information

Homer, AK - NL 59-39-26; WL 151-39-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13510 KHZ	FX	170KP0N	40 W (ERP)	0.001 %
13570 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13630 KHZ	FX	170KP0N	80 W (ERP)	0.001 %

Homer, AK - NL 59-29-02; WL 151-38-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %
4600 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %
4800 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %
4900 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %
5100 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %
12060 KHZ	FX	170KP0N	40 W (ERP)	0.001 %

Frequency Information

Homer, AK - NL 59-29-02; WL 151-38-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12200 KHZ	FX	170KP0N	40 W (ERP)	0.001 %
13460 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13510 KHZ	FX	170KP0N	40 W (ERP)	0.001 %
13570 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13630 KHZ	FX	170KP0N	80 W (ERP)	0.001 %

Seward, AK - NL 59-50-07; WL 149-22-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %
4600 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %
4800 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %
4900 KHZ	FX	55K0P0N	40 W (ERP)	0.001 %

Frequency Information

Seward, AK - NL 59-50-07; WL 149-22-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5100 kHz	FX	55K0P0N	40 W (ERP)	0.001 %

Middleton Island, AK - NL 59-24-33; WL 146-22-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
4600 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
4800 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
4900 kHz	FX	55K0P0N	40 W (ERP)	0.001 %
5100 kHz	FX	55K0P0N	40 W (ERP)	0.001 %

Cordova, AK - NL 60-41-19; WL 146-30-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12060 kHz	FX	170KP0N	80 W (ERP)	0.001 %

Frequency Information

Cordova, AK - NL 60-41-19; WL 146-30-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12200 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13460 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13510 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13570 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13630 KHZ	FX	170KK0N	80 W (ERP)	0.001 %

Cordova, AK - NL 60-26-42; WL 146-39-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12060 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
12200 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13460 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13510 KHZ	FX	170KP0N	80 W (ERP)	0.001 %

Frequency Information

Cordova, AK - NL 60-26-42; WL 146-39-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13570 kHz	FX	170KP0N	80 W (ERP)	0.001 %
13630 kHz	FX	170KP0N	80 W (ERP)	0.001 %

Deadhorse (North Slope), AK - NL 70-24-48; WL 148-31-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12060 kHz	FX	170KP0N	80 W (ERP)	0.001 %
12200 kHz	FX	170KP0N	80 W (ERP)	0.001 %
13460 kHz	FX	170KP0N	80 W (ERP)	0.001 %
13510 kHz	FX	170KP0N	80 W (ERP)	0.001 %
13570 kHz	FX	170KP0N	80 W (ERP)	0.001 %
13630 kHz	FX	170KP0N	80 W (ERP)	0.001 %
24700 kHz	FX	170KP0N	80 W (ERP)	0.001 %

Frequency Information

Deadhorse (North Slope), AK - NL 70-24-48; WL 148-31-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25100 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
25500 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
25900 KHZ	FX	170KP0N	80 W (ERP)	0.001 %

Deadhorse (North Slope), AK - NL 70-21-12; WL 147-57-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12060 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
12200 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13460 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13510 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13570 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
13630 KHZ	FX	170KP0N	80 W (ERP)	0.001 %

Frequency Information

Deadhorse (North Slope), AK - NL 70-21-12; WL 147-57-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24700 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
25100 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
25500 KHZ	FX	170KP0N	80 W (ERP)	0.001 %
25900 KHZ	FX	170KP0N	80 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.