

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

EXPERIMENTAL
(Nature of Service)

XC FX
(Class of Station)

WM2XAE
(Call Sign)

0471-EX-CR-2026
(File Number)

NAME University of Alaska Fairbanks Geophysical Institute

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) Gakona (Valdez-Cordova), AK - NL 62-23-43; WL 145-10-20

Frequency Information

Gakona (Valdez-Cordova), AK - NL 62-23-43; WL 145-10-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-19.99 MHz	FX	500HN0N	3.8 kW (ERP)	0.001 %

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.

This authorization effective August 05, 2026 and
will expire 3:00 A.M. ET August 01, 2031

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Special Conditions:

- (2) Experimental licensee must notch the following frequency bands:
- a. 2.495 - 2.505 MHz
 - b. 2.850 - 3.025 MHz
 - c. 3.400 - 4.000 MHz
 - d. 4.650 - 4.700 MHz
 - e. 4.995 - 5.005 MHz
 - f. 5.450 - 5.680 MHz
 - g. 6.525 - 6.685 MHz
 - h. 7.000 - 7.300 MHz
 - i. 8.815 - 8.965 MHz
 - j. 9.995 - 10.150 MHz
 - k. 11.275 - 11.400 MHz
 - l. 13.260 - 13.600 MHz
 - m. 14.000 - 14.350 MHz
 - n. 14.990 - 15.010 MHz
 - o. 17.900 - 17.970 MHz
 - p. 18.068 - 18.168 MHz
 - q. 19.990 - 20.010 MHz.
- (3) Experimental licensee must notch the following frequency bands:
- a. 5.9 - 6.2 MHz
 - b. 7.2 - 7.45 Mhz
 - c. 9.4 - 9.9 MHz
 - d. 11.6 - 12.1 MHz
 - e. 13.57 - 13.87 MHz
 - f. 15.1 - 15.8 MHz
 - g. 17.48 - 17.9 MHz
 - h. 18.9 - 19.02 MHz
- (4) Experimental licensee must
- a. set an antenna height at a value where TOWAIR indicates that FAA notification is not required at that given location; or
 - b. file an FAA notification (and seek a determination of no hazard) where TOWAIR indicates that FAA notification is required at the given location and height.
- (5) Stop Buzzer is Jessica Matthews
Telephone: (907) 474-5099
Email: uaf-gi-harp@alaska.edu
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Naval Research Laboratory PUR116103. 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.