

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

EXPERIMENTAL

(Nature of Service)

WK2XXXK

(Call Sign)

XT      FX

(Class of Station)

0227-EX-CN-2020

(File Number)

NAME Poker Flat Research Range

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) Fairbanks (Fairbanks North Star), AK - NL 65-07-56; WL 147-27-17

Frequency Information

Fairbanks (Fairbanks North Star), AK - NL 65-07-56; WL 147-27-17

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 1-1.15 MHz      | FX            | 82K0V7D<br>82K0V7D  | 1.829 kW (ERP)   | 0.001 %                   |
| 1.2-2.475 MHz   | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 2.525-2.825 MHz | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 3.175-3.375 MHz | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |

This authorization effective April 14, 2020 and  
will expire 3:00 A.M. EST April 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Fairbanks (Fairbanks North Star), AK - NL 65-07-56; WL 147-27-17

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 3.525-4.625 MHz   | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 4.775-4.975 MHz   | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 5.025-5.425 MHz   | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 5.75-6.5 MHz      | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 6.8-8.8 MHz       | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 9.05-9.975 MHz    | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 10.025-11.15 MHz  | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 11.425-13.3 MHz   | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 13.45-14.975 MHz  | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |
| 15.125-17.875 MHz | FX            | 82K0V7D             | 1.829 kW (ERP)   | 0.001 %                   |

## Frequency Information

Fairbanks (Fairbanks North Star), AK - NL 65-07-56; WL 147-27-17

| Frequency        | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------------|---------------|---------------------|------------------|---------------------------|
| 18.05-19.975 MHz | FX            | 82K0V7D             | 1.829 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee shall notch out the following frequencies:  
5900-6200KHz  
7200-7450KHz  
9400-9900KHz  
11600-12100KHz  
13570-13870KHz  
15125-15800KHz  
17480-17875KHz  
18900-19020KHz