

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

EXPERIMENTAL

(Nature of Service)

WJ2XST

(Call Sign)

XT FX MO

(Class of Station)

0533-EX-CR-2020

(File Number)

NAME Northrop Grumman Systems Corporation

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) Mojave (KERN), CA - NL 35-03-32; WL 118-09-05; MOBILE: airborne max altitude 60,000 feet AGL, within 350 km
- (2) Grand Forks (GRAND FORKS), ND - NL 47-56-38; WL 97-10-40; MOBILE: airborne max altitude 60,000 feet AGL, within 350 km, centered around NL 47-56-38; WL 97-10-40

Frequency Information

Mojave (KERN), CA - NL 35-03-32; WL 118-09-05; MOBILE: airborne max altitude 60,000 feet AGL, within 350 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2410-2470 MHz	FX	20M0G1D	125 W (ERP)	
2410-2470 MHz	MO	20M0G1D	125 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Grand Forks (GRAND FORKS), ND - NL 47-56-38; WL 97-10-40; MOBILE: airborne max altitude 60,000 feet AGL, within 350

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2410-2470 MHz	FX	20M0G1D	125 W (ERP)	
2410-2470 MHz	MO	20M0G1D	125 W (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.