

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WP9XCF

(Call Sign)

1426-EX-ST-2019

(File Number)

NAME Northrop Grumman Systems Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

This is a demonstration effort to collect data for ground dismounted target location and tracking, and transmission of data information to a ground station.

Station Locations

- (1) Grand Forks AFB (GRAND FORKS), ND - NL 47-57-24; WL 97-23-37; MOBILE:
maximum altitude of 25,000 feet MSL, within 110 km, centered around NL 47-57-24;
WL 97-23-37

Frequency Information

Grand Forks AFB (GRAND FORKS), ND - NL 47-57-24; WL 97-23-37; MOBILE: maximum altitude of 25,000 feet MSL, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.77 GHz	MO	800KG1D 8M00G1D 21M4G1D 45M0G1D 64M0G1D	485 W (ERP)	
15.2 GHz	FX	800KG1D	485 W (ERP)	

This authorization effective August 21, 2019 and
will expire 3:00 A.M. EST January 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Grand Forks AFB (GRAND FORKS), ND - NL 47-57-24; WL 97-23-37; MOBILE: maximum altitude of 25,000 feet MSL, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.2 GHz	FX	8M00G1D 21M4G1D 45M0G1D 64M0G1D	485 W (ERP)	
16-17.4 GHz	MO	600MQ3N	1.06 MW (ERP)	

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) NTIA notes the use of the 16-16.2 GHz band in this STA is a proof-of-concept one time operation and Northrop Grumman Systems Corporation should have no expectations of automatic approval in this band in future submissions.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.