

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

EXPERIMENTAL

(Nature of Service)

WE2XIO

(Call Sign)

XC FX MO

(Class of Station)

0053-EX-CR-2021

(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(cb) of the Commission's Rules

Station Locations

- (1) Linthicum (ANNE ARUNDEL), MD - NL 39-11-08; WL 76-41-11; MOBILE: maximum altitude of 25,000 feet MSL, within 321 km
- (2) Grand Junction (MESA), CO - NL 39-07-21; WL 108-31-36; MOBILE: maximum altitude of 25,000 feet MSL, within 241.4 km
- (3) Sierra Vista (COCHISE), AZ - NL 31-35-18; WL 110-20-40; MOBILE: maximum altitude of 25,000 feet MSL, within 241.4 km
- (4) Victorville (SAN BERNARDINO), CA - NL 34-35-51; WL 117-22-59; MOBILE: maximum altitude of 25,000 feet MSL, within 241.4 km

Frequency Information

Linthicum (ANNE ARUNDEL), MD - NL 39-11-08; WL 76-41-11; MOBILE: maximum altitude of 25,000 feet MSL, within 321 kr

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.4 GHz	FX	600MQ3N	1.06 MW (ERP)	
16.2-17.4 GHz	MO	600MQ3N	1.06 MW (ERP)	

This authorization effective February 01, 2021 and
will expire 3:00 A.M. EST October 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Grand Junction (MESA), CO - NL 39-07-21; WL 108-31-36; MOBILE: maximum altitude of 25,000 feet MSL, within 241.4 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16-17.4 GHz	FX	600MQ3N	1.06 MW (ERP)	
16-17.4 GHz	MO	600MQ3N	1.06 MW (ERP)	

Sierra Vista (COCHISE), AZ - NL 31-35-18; WL 110-20-40; MOBILE: maximum altitude of 25,000 feet MSL., within 241.4 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16-17.4 GHz	FX	600MQ3N	1.06 MW (ERP)	
16-17.4 GHz	MO	600MQ3N	1.06 MW (ERP)	

Victorville (SAN BERNARDINO), CA - NL 34-35-51; WL 117-22-59; MOBILE: maximum altitude of 25,000 feet MSL, within 24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-17.4 GHz	FX	600MQ3N	1.06 MW (ERP)	
16.2-17.4 GHz	MO	600MQ3N	1.06 MW (ERP)	

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.

Special Conditions:

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Army Contracting Command - Aberdeen Proving Grounds contract number W15P7T-17-D-0100. 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.
- (4) DURING TRANSMISSION, AIRCRAFT SHALL NOT EXCEED THE ALTITUDE 25,000 FT MSL.
- (5) OPERATION ON THIS ASSIGNMENT IS SUBJECT TO IMMEDIATE CESSATION, IF IT CAUSES HARMFUL INTERFERENCE TO FEDERAL OPERATIONS.