

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WJ2XMI

(Call Sign)

0386-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) Hanover (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-22

Frequency Information

Hanover (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	FX	10M0Q3N 10M0P0N	40 W (ERP)	
902-928 MHz	FX	10M0Q3N 10M0P0N	40 W (ERP)	
2360-2395 MHz	FX	10M0Q3N	40 W (ERP)	
2417-2483 MHz	FX	10M0Q3N	40 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Hanover (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2417-2483 MHz	FX	10M0P0N	40 W (ERP)	
2950-3650 MHz	FX	10M0Q3N 10M0P0N	40 W (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.
- (2) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) 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.
- (6) Prior to commencing testing operations, the licensee must obtain consent from Location & Monitoring Service licensees (902-928 MHz) within 80 km of the contours of the testing area.
- (7) Northrop Grumman Systems Corporation must
 - a. Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in the frequency range from 2450 MHz to 2483 MHz.
 - b. Coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R., Part 101.103(d) prior to operation in frequency range from 2450 MHz to 2483 MHz.
- (8) Prior to commencing any operations in Aeronautical and Fixed frequencies (2360-2395 MHz), the applicant must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).