

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

EXPERIMENTAL

(Nature of Service)

WG2XWS

(Call Sign)

XT FX MO

(Class of Station)

0078-EX-CR-2016

(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) MOBILE: Bel Air, MD: airborne max altitude 17,000 feet, within 27.8 km, centered around NL 39-32-53; WL 76-22-16
- (2) Georgetown (SUSSEX), DE - NL 38-41-20; WL 75-21-30; MOBILE: airborne max altitude 17,000 feet, within 55.6 km
- (3) Middle River (BALTIMORE), MD - NL 39-12-31; WL 76-40-52
- (4) Linthicum (ANNE ARUNDEL), MD - NL 39-11-35; WL 76-40-59

Frequency Information

MOBILE: Bel Air, MD: airborne max altitude 17,000 feet, within 27.8 km, centered around NL 39-32-53; WL 76-22-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2390 MHz	MO	20M0W7D 10M0W7D 5M00W7D	8 W (ERP)	

This authorization effective November 01, 2016 and
will expire 3:00 A.M. EST December 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Georgetown (SUSSEX), DE - NL 38-41-20; WL 75-21-30; MOBILE: airborne max altitude 17,000 feet, within 55.6 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2390 MHz	MO	5M00W7D 10M0W7D 20M0W7D	8 W (ERP)	
2360-2390 MHz	FX	5M00W7D 10M0W7D 20M0W7D	545 W (ERP)	

Middle River (BALTIMORE), MD - NL 39-12-31; WL 76-40-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2390 MHz	FX	5M00W7D 10M0W7D 20M0W7D	545 W (ERP)	

Linthicum (ANNE ARUNDEL), MD - NL 39-11-35; WL 76-40-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2390 MHz	FX	5M00W7D 10M0W7D 20M0W7D	545 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Licensee must coordinate with MIDAFC, 301-342-1194, (Mr. Rob Goddard).
- (5) Testing must be approved/scheduled with the Regional Telemetry Scheduler: Mr. Joe White, 301-342-1542, paxrtpsched@navy.mil or joseph.white@navy.mil.