

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

EXPERIMENTAL

(Nature of Service)

WH2XVV

(Call Sign)

XT      FX MO

(Class of Station)

0011-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) Annapolis (ANNE ARUNDEL), MD - NL 39-00-21; WL 76-24-28
- (2) MOBILE: Chesapeake Bay, MD, within 20 km, centered around NL 38-55-10; WL 76-24-30

Frequency Information

Annapolis (ANNE ARUNDEL), MD - NL 39-00-21; WL 76-24-28

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2212-2277 MHz | FX            | 12M0A2D             | 24.2 W (ERP)     |                           |
| 2412-2427 MHz | FX            | 12M0A2D             | 24.2 W (ERP)     |                           |
| 2452-2467 MHz | FX            | 12M0A2D             | 24.2 W (ERP)     |                           |

This authorization effective February 01, 2020 and  
will expire 3:00 A.M. EST August 01, 2021

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COMMUNICATIONS  
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| 2452-2467 MHz | MO            | 12M0A2D             | 24.2 W (ERP)     |                           |

**Special Conditions:**

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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](https://www.sbe.org/sections/freq_local.php) to find the appropriate coordinator.
- (5) Prior to operation in 2212-2277 MHz, licensee must coordinate with GSFC spectrum manager, 301-286-5089.
- (6) Operation in 2212-2277 MHz is subject to immediate cessation upon notification from the FCC if operation causes harmful interference to NASA operations in Laurel, MD or to Department of Commerce operations at Wallops Island.