

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

EXPERIMENTAL

(Nature of Service)

WH2XSA

(Call Sign)

XT      FX MO

(Class of Station)

0140-EX-CR-2017

(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(a & j) of the Commission's Rules

Station Locations

- (1) Hanover (ANNE ARUNDEL), MD - NL 39-11-10; WL 76-42-11
- (2) MOBILE: Georgetown, DE: Max altitude 26,000 feet MSL, within 371 km, centered around NL 38-41-33; WL 75-21-43
- (3) Hanover (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-22

Frequency Information

Hanover (ANNE ARUNDEL), MD - NL 39-11-10; WL 76-42-11

| Frequency    | Station Class | Emission Designator          | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|------------------------------|------------------|---------------------------|
| 9.3-10.5 GHz | FX            | 240MQ3N<br>20MQ3N<br>640MQ3N | 3.16 MW (ERP)    |                           |

MOBILE: Georgetown, DE: Max altitude 26,000 feet MSL, within 371 km, centered around NL 38-41-33; WL 75-21-43

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| 9.3-10.5 GHz | MO            | 240MQ3N             | 3.16 MW (ERP)    |                           |

This authorization effective May 01, 2017 and  
will expire 3:00 A.M. EST May 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Georgetown, DE: Max altitude 26,000 feet MSL, within 371 km, centered around NL 38-41-33; WL 75-21-43

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 9.3-10.5 GHz | MO            | 20M0Q3N<br>640MQ3N  | 3.16 MW (ERP)    |                           |

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

| Frequency    | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|-------------------------------|------------------|---------------------------|
| 9.3-10.5 GHz | FX            | 20M0Q3N<br>240MQ3N<br>640MQ3N | 3.16 MW (ERP)    |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Upon notification from the FCC, operation is subject to immediate cessation if it causes harmful interference to Navy and Marine Corps operations.