

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WJ2XQS

(Call Sign)

0197-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(h & j) of the Commission's Rules

Station Locations

- (1) Elkridge (HOWARD), MD - NL 39-11-53; WL 76-45-16
- (2) Linthicum (ANNE ARUNDEL), MD - NL 39-10-46; WL 76-41-23

Frequency Information

Elkridge (HOWARD), MD - NL 39-11-53; WL 76-45-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	8M00M1D	2 kW (ERP)	
2910-3100 MHz	FX	2M00Q3N	44.5 MW (ERP)	
2910-2947 MHz	FX	2M00Q3N	44.5 MW (ERP)	
2953-3100 MHz	FX	2M00Q3N	44.5 MW (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Linthicum (ANNE ARUNDEL), MD - NL 39-10-46; WL 76-41-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	8M00M1D	2 kW (ERP)	
2910-3100 MHz	FX	2M00Q3N	44.5 MW (ERP)	
2910-2947 MHz	FX	2M00Q3N	44.5 MW (ERP)	
2953-3100 MHz	FX	2M00Q3N	44.5 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.
- (3) All radiation on 1030 MHz must be confined to 275-310 degrees reference to true north. All other azimuth angles must be blanked.
- (4) 2kw represents the max allowed Tx power on 1030 MHz, Tx power should be adjusted to that necessary to cover the 108 nm.