

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WQ9XLM

(Call Sign)

XT FX MO

(Class of Station)

1717-EX-ST-2020

(File Number)

NAME Northrop Grumman Systems Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The purpose of the operation is to experiment with wide-band radar applications incorporating new designs for RF antenna apertures and digital synthesizers.

Station Locations

- (1) Linthicum (ANNE ARUNDEL), MD - NL 39-11-09; WL 76-41-11
- (2) MOBILE: Max Altitude 31,000 feet MSL, Georgetown, DE, within 370 km, centered around NL 38-41-33; WL 75-21-43

Frequency Information

Linthicum (ANNE ARUNDEL), MD - NL 39-11-09; WL 76-41-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.4-36 GHz	FX	600MQ3N 800MQ3N 1G40Q3N	6.1 MW (ERP)	

This authorization effective November 19, 2020 and
will expire 3:00 A.M. EST February 09, 2021

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Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (4) Northrop Grumman Systems Corporation must notch out the 35.1115 - 35.8885 GHz band.
- (5) Northrop Grumman Systems Corporation avoid operations within the National Radio Quiet Zone (NRQZ).