

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

EXPERIMENTAL

(Nature of Service)

WQ9XJD

(Call Sign)

XT FX

(Class of Station)

0544-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 operation is to test experimental radar equipment intended for ultimate use on a satellite. The transmitter will be fully enclosed in a near field range.

Station Locations

(1) Dulles (LOUDOUN), VA - NL 39-00-56; WL 77-25-42

Frequency Information

Dulles (LOUDOUN), VA - NL 39-00-56; WL 77-25-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.7-9 GHz	FX	1M00L0N	75.65 MW (ERP)	
9.3-10.4 GHz	FX	1M00L0N	75.65 MW (ERP)	

Special Conditions:

- (1) 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.

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

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COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) All operations shall be enclosed within the near-field range testing facility.
- (4) Northrop Grumman Systems Corporation shall not conduct Radiolocation operations below 8500 MHz, in order to protect Metsat operations.
- (5) Northrop Grumman Systems Corporation must coordinate with and provide primary and alternate Stop Buzzers and referencing this STA to NMSCO LANT, Mrs. Janet M. Baker 757-444-4586, janet.m.baker1@navy.mil, and Mr. Alvin B. Brown 757-444-4780, alvin.b.brown@navy.mil, Navy & Marine Corps Spectrum Office Atlantic (NMCSO LANT) prior to operations.