

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

EXPERIMENTAL

(Nature of Service)

WP9XSE

(Call Sign)

XT FX

(Class of Station)

2219-EX-ST-2019

(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:

This program will develop and demonstrate new antenna hardware, with new control and processing software, for application to line of sight communications. The objective of the research

Station Locations

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

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21.35 GHz	FX	300MG2D	3.7 kW (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.
- (2) Northrop Grumman Systems Corporation must coordinate with the incumbent fixed microwave in accordance with 47 C.F.R., Part 101.103(d) in the 21-22 GHz band prior to conducting the testing.

This authorization effective January 06, 2020 and
will expire 3:00 A.M. EST July 04, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**

