

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WP9XAS

(Call Sign)

1477-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:

The purpose of the operation is to support the Navy NCTA. The communications component being tested and demonstrated during the exercise will use standard CDL, Link-16

Station Locations

- (1) Patuxent River (ST MARYS), MD - NL 38-17-07; WL 76-24-30; MOBILE: airborne maximum height 30,000 feet AGL, within 371 km, centered around NL 38-17-07; WL 76-24-30

Frequency Information

Patuxent River (ST MARYS), MD - NL 38-17-07; WL 76-24-30; MOBILE: airborne maximum height 30,000 feet AGL, within 371 km, centered around NL 38-17-07; WL 76-24-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
969-1206 MHz	FX	14M6G1D 21M4G1D 42M8G1D 89M5G1D 800KG1D	200 W (ERP)	
969-1206 MHz	MO	14M6G1D	200 W (ERP)	

This authorization effective August 28, 2019 and
will expire 3:00 A.M. EST February 29, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Patuxent River (ST MARYS), MD - NL 38-17-07; WL 76-24-30; MOBILE: airborne maximum height 30,000 feet AGL, within 3:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
969-1206 MHz	MO	21M4G1D 42M8G1D 89M5G1D 800KG1D	200 W (ERP)	
1358-1841 MHz	FX	14M6G1D 21M4G1D 42M8G1D 89M5G1D 800KG1D	1000 W (ERP)	
1358-1841 MHz	MO	14M6G1D 21M4G1D 42M8G1D 89M5G1D 800KG1D	1000 W (ERP)	
14415-14815 MHz	FX	14M6G1D 21M4G1D 42M8G1D 89M5G1D 800KG1D	300 W (ERP)	
14415-14815 MHz	MO	14M6G1D 21M4G1D 42M8G1D 89M5G1D 800KG1D	300 W (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) 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) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) Frequency assignment(s) in the bands of 1435-1525 MHz and 2360-2395 MHz must be coordinated prior to authorization with the Area Frequency Coordinator (AFC), who also coordinates, as appropriate, with Aerospace and Flight Test Radio Coordinating Council. Use of these frequencies under the authority is subject to such further coordination with the AFC to ensure compatibility with existing uses.
- (5) Operations are non-interference basis to Flight Test telemetry and Air Force Spectrum Dependent System.
- (6) Prior coordination with the FAA is required for the frequencies 969-1206 MHz and 1358-1841 MHz requested in this application.
- (7) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
1390-1392 MHz Band Licensees
1392-1395 MHz/1432-1435 MHz Band licensees
1670-1675 MHz Band licensee (Crown Castle International,) and the lessee (One Dot Six Corp)
- (8) NTIA objects to the use of the 969-1206 MHz bands at both locations. This band overlaps GPS frequencies and this is the Link 16 band which must be pre-coordinated with the NMSC. The POC for Link 16 pre-coordination is, Hank Beard, armand.beard.ctr@navy.mil, or Chhean Thao, chhean.thao.ctr@navy.mil.
- (9) NTIA objects to the use of the 14415-14815 MHz band at both locations due to potential interference to multiple federal agencies with numerous assignments in the requested areas.
- (10) NTIA can concur with the use of 1427-1525 MHz and 1723-1784 MHz only, due to ongoing operations and other protected bands within the remainder of the 1358-1841 MHz band.
- (11) The stop buzzer contact for this project is Name: Ron Werle
Phone: 661-266-5024
Email: Ronny.Werle@ngc.com