

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WS9XNH

(Call Sign)

1055-EX-ST-2021

(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:

Consistent with US GOV (DARPA) contract No. FA-8750-18-C-2058, this effort is to develop a system conceptual design, validate by using modeling and simulation (M&S) tools, and

Station Locations

(1) San Diego (SAN DIEGO), CA - NL 32-59-27; WL 117-04-44

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-59-27; WL 117-04-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.44 GHz	FX	1M20G1D 4M00G1D 2M00G1D	1.6 mW (ERP)	
1.535 GHz	FX	2M00G1D 1M20G1D 4M00G1D	1.6 mW (ERP)	

This authorization effective August 23, 2021 and
will expire 3:00 A.M. EST October 24, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Diego (SAN DIEGO), CA - NL 32-59-27; WL 117-04-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.65 GHz	FX	2M00G1D 1M20G1D 4M00G1D	1.6 mW (ERP)	
1.8 GHz	FX	2M00G1D 1M20G1D 4M00G1D	1.6 mW (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Western Area Frequency Coordinator (WAFC) who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the WAFC as necessary to ensure compatibility with existing uses.
- (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) All operations in the 1435-1452 MHz band shall comply with Footnote US338A.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Government (DARPA) contract no. FA-8750-18-C-2058. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) Non-interference basis to Flight Test telemetry operations.
- (6) Development of system conceptual design, validation of same, and basic demo.
- (7) Pre-scheduling via DoD Western AFC office is required a minimum of 72 hours prior to testing/operations.