

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

EXPERIMENTAL

(Nature of Service)

WO9XQC

(Call Sign)

XT MO

(Class of Station)

2134-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 investigate performance of a modular, tile-based antenna array for radar operations during flight.

Station Locations

- (1) MOBILE: Georgetown, DE: max altitude 17,500 feet MSL, within 370 km, centered around NL 38-41-20; WL 75-21-38

Frequency Information

MOBILE: Georgetown, DE: max altitude 17,500 feet MSL, within 370 km, centered around NL 38-41-20; WL 75-21-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	10K0P0N 1M00P0N 1M20Q1N 10M0Q3N	746 kW (ERP)	
3100-3550 MHz	MO	10K0P0N 1M00P0N 1M20Q1N	29700 kW (ERP)	

This authorization effective January 16, 2019 and
will expire 3:00 A.M. EST June 01, 2020

**FEDERAL
COMMUNICATIONS
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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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) Northrop Grumman Systems Corporation must coordinate planned operations under this license with the Middle Atlantic Area Frequency Coordination Office (MIDLANTAFC) at NAS Patuxent River, MD at least one week prior to testing. Coordination shall be via e-mail to: scott.hoschar@navy.mil, 301-342-9549 and robert.n.goddard@navy.mil, 301-342-1194. Please include dates/times of planned flights, the maximum flight levels, a STOP BUZZER POC with cell phone number, and an electronic copy of the final FCC license.
- (5) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 187 miles of the contours of the testing area: Location & Monitoring Service licensees (902-928 MHz)