

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

EXPERIMENTAL

(Nature of Service)

WL9XFK

(Call Sign)

XC FX MO

(Class of Station)

0549-EX-ST-2017

(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 develop a Synthetic Aperture Radar and Moving Target indicator surveillance system for use on military aircraft.

Station Locations

- (1) Linthicum (ANNE ARUNDEL), MD - NL 39-11-08; WL 76-41-11
- (2) MOBILE: Georgetown, DE:Max altitude 18,000 ft MSL, within 350 km, centered around NL 38-41-22; WL 75-21-36

Frequency Information

Linthicum (ANNE ARUNDEL), MD - NL 39-11-08; WL 76-41-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.4-10.2 GHz	FX	724MQ3N	10.6 MW (ERP)	
		348MQ3N		
		216MQ3N		
		72M0Q3N		

This authorization effective June 05, 2017 and
will expire 3:00 A.M. EST December 05, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



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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) At least 3 days prior to the start of operations within 50 km of NASA-Goddard Space Flight Center (GSFC) [39° 01' 14" N, 76° 49' 39" W] or Wallops Flight Facility (WFF) [37° 56' 02" N, 75° 28' 15" W], coordination of operational dates and times is required with the NASA/GSFC Spectrum Manager, Scott Galbraith at 301.286.5089, vincent.s.galbraith@nasa.gov and the NASA/WFF Spectrum Manager, Felipe Arroyo at 757.824.1623, felipe.arroyo-1@nasa.gov .
- (3) A Stop Buzzer POC shall be provided to the NASA/GSFC Spectrum Manager, Scott Galbraith at 301.286.5089, vincent.s.galbraith@nasa.gov and the NASA/WFF Spectrum Manager, Felipe Arroyo at 757.824.1623, felipe.arroyo-1@nasa.gov, and this phone shall be manned at all times during operations.