

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

EXPERIMENTAL

(Nature of Service)

WK9XYI

(Call Sign)

XT FX MO

(Class of Station)

0235-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 evaluate a new very broad band antenna design.

Station Locations

- (1) Hanover (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-22
- (2) Linthicum (ANNE ARUNDEL), MD - NL 39-11-01; WL 76-41-03
- (3) MOBILE: Georgetown, DE: max altitude 18,000 feet MSL, within 350 km, centered around NL 38-41-13; WL 75-40-21

Frequency Information

Hanover (ANNE ARUNDEL), MD - NL 39-11-06; WL 76-42-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
445 MHz	FX	10M0N0N	55.5 kW (ERP)	
910 MHz	FX	10M0N0N	55.5 kW (ERP)	

This authorization effective April 01, 2017 and
will expire 3:00 A.M. EST October 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Linthicum (ANNE ARUNDEL), MD - NL 39-11-01; WL 76-41-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
445 MHz	FX	10M0N0N	55.5 kW (ERP)	
910 MHz	FX	10M0N0N	55.5 kW (ERP)	

MOBILE: Georgetown, DE: max altitude 18,000 feet MSL, within 350 km, centered around NL 38-41-13; WL 75-40-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
445 MHz	MO	10M0N0N	55.5 kW (ERP)	
910 MHz	MO	10M0N0N	55.5 kW (ERP)	

Special Conditions:

- (1) NTIA non-concurs with the use 74.7 MHz and 75.3 MHz due to the power exceeding 1 watt limit for protection of the 75 MHz ILS Beacon at local airports.
- (2) Northrop Grumman must notify Location & Monitoring Service licensees (902-928 MHz) within 80 km of the test area.