

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WF2XOY

(Call Sign)

0947-EX-ST-2015

(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:

To demonstrate new technologies.

Station Locations

- (1) Grand Forks (GRAND FORKS), ND - NL 47-56-26; WL 97-10-42; MOBILE: Airborne at a maximum altitude of 13,716 meters, Grand Forks, ND, within 185 km, centered around NL 47-56-26; WL 97-10-42

Frequency Information

Grand Forks (GRAND FORKS), ND - NL 47-56-26; WL 97-10-42; MOBILE: Airborne at a maximum altitude of 13,716 meters,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2305 MHz	FX	5M00F2C	796 W (ERP)	
14.62 GHz	MO	21M4G1D 64M0G1D	30 W (ERP)	
15.15-15.35 GHz	FX	21M4G1D	30 W (ERP)	

This authorization effective September 22, 2015 and
will expire 3:00 A.M. EST November 25, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Grand Forks (GRAND FORKS), ND - NL 47-56-26; WL 97-10-42; MOBILE: Airborne at a maximum altitude of 13,716 meters,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.15-15.35 GHz	FX	64M0G1D	30 W (ERP)	
16.2-17.4 GHz	FX	600MQ3N	1.06 MW (ERP)	
16.2-17.4 GHz	MO	600MQ3N	1.06 MW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) Operation is NOT PERMITTED using the frequency 1760 MHz.
- (4) Northrop Grumman Systems will utilize the following frequency 2302.5 MHz vice the requested frequency of 2305 MHz.