

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

EXPERIMENTAL

(Nature of Service)

WG9XHQ

(Call Sign)

XT FX MO

(Class of Station)

0720-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:

Operation of a trial 700 MHz LTE network for use in the development of solutions intended to advance the FirstNet program and the development of the FirstNet Nationwide Network.

Station Locations

(1) McLean, VA - NL 38-55-17; WL 77-12-23; MOBILE: Indoors, within 0.02 km

Frequency Information

McLean, VA - NL 38-55-17; WL 77-12-23; MOBILE: Indoors, within 0.02 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	10M0F9W	1 W (ERP)	0.001 %
788-798 MHz	MO	10M0F9W	317 mW (ERP)	0.001 %

Special Conditions:

(1) FirstNet can request the FCC to order the licensee to cease operations within 24 hours.

This authorization effective July 30, 2015 and
will expire 3:00 A.M. EST January 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) Northrop understands that FirstNet has the right to monitor its operations.
- (4) Project limited to proof of concept demonstrations and testing and will not involve live-duty operations to protect life, property, or safety.
- (5) Licensee must accept interference from any other user of Band 14 and all operations by licensee will be on a secondary basis.
- (6) Licensee must verify that there is no current potential for interference with FirstNet operations or those approved to operate in Band 14 per license (i.e., any Band 14 incumbents to include the Virginia State Police).
- (7) POC is established and sent to FirstNet upon STA approval with "kill switch" authority; licensee agrees to cease operations at request of FirstNet immediately upon receipt of request to kill switch POC until such time, as determined by FirstNet, that interference issues are no longer at issue.