

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

EXPERIMENTAL

(Nature of Service)

WK9XKL

(Call Sign)

XT FX MO

(Class of Station)

1337-EX-ST-2016

(File Number)

NAME General Dynamics Mission Systems

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 2GHz LTE system.

Station Locations

- (1) Quantico (PRINCE WILLIAM), VA - NL 38-30-44; WL 77-18-39; MOBILE:within 16 km, centered around NL 38-30-44; WL 77-18-39
- (2) Quantico (PRINCE WILLIAM), VA - NL 38-30-44; WL 77-18-39; MOBILE:within 16 km, centered around NL 38-30-44; WL 78-18-39

Frequency Information

Quantico (PRINCE WILLIAM), VA - NL 38-30-44; WL 77-18-39; MOBILE:within 16 km, centered around NL 38-30-44; WL 77-:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2085.5-2097.5 MHz	MO	10M0W7W 10M0G7W	20 W (ERP)	0.001 %
2085.5-2097.5 MHz	FX	10M0W7W 10M0G7W	40 W (ERP)	1.0E-6 %

This authorization effective September 26, 2016 and
will expire 3:00 A.M. EST October 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Quantico (PRINCE WILLIAM), VA - NL 38-30-44; WL 77-18-39; MOBILE:within 16 km, centered around NL 38-30-44; WL 78-:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-768 MHz	FX	5M00W7W 10M0G7W 5M00G7W 10M0W7W	16 W (ERP)	0.00001 %
788-798 MHz	MO	5M00G7W 10M0W7W 10M0G7W 5M00W7W	200 mW (ERP)	0.001 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (2) Licensee agrees that project limited to testing, experimentation or trial and may not involve live-duty operations by first responders or others to protect life, property, or safety.
- (3) Licensee agrees that any press release to be issued regarding the STA, surrounding demonstration, or use of Band 14 spectrum relating to the STA must be coordinated with and receive written signoff from FirstNet prior to release (POCs: ryan.oremland@firstnet.gov and justin.shore@firstnet.gov).
- (4) Licensee certifies that the Governor-appointed FirstNet Single Point of Contact within the proposed STA location has been notified of STA application (contact information available at www.firstnet.gov/consultation).
- (5) Licensee must accept interference from any other user of Band 14 and must coordinate operation with other authorized Band 14 STAs/ELs. Failure to effectively coordinate shall result in immediate suspension of STA until such time, as determined by FirstNet, that project may continue.
- (6) Licensee must not cause interference to FirstNet operations or those approved to operate in Band 14 per license (i.e. Virginia State Police). Failure to effectively coordinate shall result in immediate suspension of STA until such time, as determined by FirstNet, that project may continue.
- (7) Licensee certifies that it has verified with reasonable supporting detail no current potential for interference with FirstNet operations or those approved to operate in Band 14 per STA/EL or license (i.e. Virginia State Police).

Special Conditions:

- (8) POC is established and sent to FirstNet upon STA approval with "kill switch" authority; Licensee agrees to immediately cease operations at request of FirstNet upon receipt (in any form and for any reason) of request to kill switch POC until such time, as determined by FirstNet, that project may continue.