

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WK2XDW

(Call Sign)

XT FX MO

(Class of Station)

0176-EX-CN-2019

(File Number)

NAME General Dynamics

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51
- (2) Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51
- (3) Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51
- (4) Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51
- (5) MOBILE: within 20km of the General Dynamics campus

Frequency Information

Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
734-746 MHz	FX	5M00G7W	15.35 W (ERP)	5.0E-6 %
1710-1755 MHz	FX	5M00G7W 5M00G7W	15.35 W (ERP)	5.0E-6 %
2110-2155 MHz	FX	5M00G7W	15.35 W (ERP)	5.0E-6 %

This authorization effective May 17, 2019 and
will expire 3:00 A.M. EST June 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2570 MHz	FX	5M00G7W	15.35 W (ERP)	5.0E-6 %
2620-2690 MHz	FX	5M00G7W	15.35 W (ERP)	5.0E-6 %

Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	FX	10M0G7W 5M00G7W	7.6 W (ERP)	5.0E-6 %
869-894 MHz	FX	10M0G7W 5M00G7W	7.6 W (ERP)	5.0E-6 %
1710-1755 MHz	FX	5M00G7W	7.6 W (ERP)	5.0E-6 %
2110-2155 MHz	FX	5M00G7W	7.6 W (ERP)	5.0E-6 %
2500-2570 MHz	FX	5M00G7W	7.6 W (ERP)	5.0E-6 %
2620-2690 MHz	FX	5M00G7W	7.6 W (ERP)	5.0E-6 %

Frequency Information

Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	FX	20M0G7W 20M0G7W	21.6 W (ERP)	0.00005 %

Taunton (BRISTOL), MA - NL 41-57-03; WL 71-07-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	FX	20M0G7W	21.6 W (ERP)	5.0E-6 %

MOBILE: within 20km of the General Dynamics campus

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M50G1D	340 mW (ERP)	0.00015 %
1920-1980 MHz	MO	2M50G1D	340 mW (ERP)	0.00015 %

Special Conditions:

- (1) 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.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Stop Buzzer POC is Greg Barrett 508-880-4079

Special Conditions:

- (6) Licensee is required to
- > Secure consents from the Advance Wireless Service licensees prior to accessing to 1710-1755 MHz and 2110-2155 MHz bands.
 - > Obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to accessing to 2500-2570 MHz and 2620-2690 MHz bands.
- (7) The applicant must obtain consent from the following within 50 miles of the contours of the testing area:
- > 700 MHz Lower Band "B" block licensees (704-710 MHz/734-740 MHz)
 - > 700 MHz Lower Band "C" block licensees (710-716 MHz/740-746 MHz)
 - > Cellular licensees (824-849 MHz/869-894 MHz)
 - > Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (8) Operation in the 758-768 MHz and 788-798 MHz frequency bands is denied due to FirstNet objection.