

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WJ2XVC

(Call Sign)

0403-EX-CN-2018

(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(h) of the Commission's Rules

Station Locations

(1) Scottsdale (MARICOPA), AZ - NL 33-27-34; WL 111-54-15

Frequency Information

Scottsdale (MARICOPA), AZ - NL 33-27-34; WL 111-54-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
22.5 MHz	FX	N0N	10 mW (ERP)	0.00001 %
31 MHz	FX	N0N	10 mW (ERP)	0.00001 %
34 MHz	FX	N0N	10 mW (ERP)	0.00001 %
39 MHz	FX	N0N	10 mW (ERP)	0.00001 %

This authorization effective December 11, 2018 and
will expire 3:00 A.M. EST December 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Scottsdale (MARICOPA), AZ - NL 33-27-34; WL 111-54-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
40-74.62 MHz	FX	N0N	10 mW (ERP)	0.0001 %
80.3 MHz	FX	N0N	10 mW (ERP)	0.00001 %
141-150.25 MHz	FX	N0N	10 mW (ERP)	0.00001 %
169.188 MHz	FX	N0N	10 mW (ERP)	0.00001 %
219 MHz	FX	N0N	10 mW (ERP)	0.00001 %
432-465 MHz	FX	N0N	10 mW (ERP)	0.00001 %
635-668 MHz	FX	N0N	10 mW (ERP)	0.00001 %
895.5225 MHz	FX	N0N	10 mW (ERP)	0.00001 %
1622 MHz	FX	N0N	10 mW (ERP)	0.00001 %
2684 MHz	FX	N0N	10 mW (ERP)	0.00001 %

Frequency Information

Scottsdale (MARICOPA), AZ - NL 33-27-34; WL 111-54-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2944 MHz	FX	N0N	10 mW (ERP)	0.00001 %
3400 MHz	FX	N0N	10 mW (ERP)	0.00001 %
4800 MHz	FX	N0N	10 mW (ERP)	0.00001 %
5500 MHz	FX	N0N	10 mW (ERP)	0.00001 %

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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The applicant must coordinate with the local Society of Broadcast Engineer frequency coordinator prior to operation in/on 40-74.62 MHz, 80.3 MHz, 169.188 MHz, 432-465 MHz, and 635-668 MHz frequencies/bands.
- (4) The applicant must obtain consents from Educational Broadband Service licensees prior to accessing to 2684 MHz.
- (5) Prior to commencing any operations, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
 - Paging Service licensees in 43 MHz
 - AMTS Licensee (217-218 MHz/219-220 MHz)
 - Paging Service licensees in 454 MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.

Special Conditions:

- (8) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (9) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (10) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (11) Operation is NOT permitted using the frequency 25 MHz and 1408 MHz.