

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WE2XMW

(Call Sign)

0005-EX-AL-2017

(File Number)

NAME General Dynamics Mission Systems, Inc.

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(c & h) of the Commission's Rules

Station Locations

- (1) Marion (SMYTH), VA - NL 36-50-08; WL 81-30-25
- (2) Marion (SMYTH), VA - NL 36-50-11; WL 81-30-26

Frequency Information

Marion (SMYTH), VA - NL 36-50-08; WL 81-30-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-608 MHz	FX	NON	0.048 W (ERP)	
614-960 MHz	FX	NON	0.048 W (ERP)	
1030 MHz	FX	NON	0.048 W (ERP)	
1090 MHz	FX	NON	0.048 W (ERP)	

This authorization effective November 21, 2017 and
will expire 3:00 A.M. EST July 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Marion (SMYTH), VA - NL 36-50-08; WL 81-30-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1390-1400 MHz	FX	N0N	0.048 W (ERP)	
1427-1435 MHz	FX	N0N	0.048 W (ERP)	
1525-1530 MHz	FX	N0N	0.048 W (ERP)	
1646.5-1660 MHz	FX	N0N	0.048 W (ERP)	
1670-1718.8 MHz	FX	N0N	0.048 W (ERP)	
1722.2-2000 MHz	FX	N0N	0.048 W (ERP)	

Marion (SMYTH), VA - NL 36-50-11; WL 81-30-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6-10.6 GHz	FX	N0N	2018 W (ERP)	
10.7-14.47 GHz	FX	N0N	2018 W (ERP)	
14.5-15.35 GHz	FX	N0N	2018.4 W (ERP)	

Frequency Information

Marion (SMYTH), VA - NL 36-50-11; WL 81-30-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.4-18 GHz	FX	NON	2018.4 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.