

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WE2XPM

(Call Sign)

0009-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 36-50-04; WL 81-30-24

Frequency Information

Marion (SMYTH), VA - NL 36-50-04; WL 81-30-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-608 MHz	FX	N0N	0.048 W (ERP)	
614-960 MHz	FX	N0N	0.048 W (ERP)	
1030 MHz	FX	N0N	0.048 W (ERP)	
1090 MHz	FX	N0N	0.048 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Marion (SMYTH), VA - NL 36-50-04; WL 81-30-24

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)	
6-8.065 GHz	FX	N0N	1800 W (ERP)	
8.145-8.19 GHz	FX	N0N	1800 W (ERP)	
8.27-8.31 GHz	FX	N0N	1800 W (ERP)	
8.39-10.6 GHz	FX	N0N	1800 W (ERP)	

Frequency Information

Marion (SMYTH), VA - NL 36-50-04; WL 81-30-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.7-14.47 GHz	FX	N0N	1800 W (ERP)	
14.5-15.35 GHz	FX	N0N	1800 W (ERP)	
15.4-18 GHz	FX	N0N	1800 W (ERP)	

Special Conditions:

- (1) This frequency assignment was coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference in the following bands: 6425-6875 MHz, 10.55-10.6 GHz, 10.7-11.7 GHz, 12.2-12.75 GHz and 17.7-18.3 GHz.
- (5) Operation in the following bands is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 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; 6425-6525 MHz, 6875-7125 MHz, 12.7-12.75 GHz and 17.7-18.3 GHz.