

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

EXPERIMENTAL

(Nature of Service)

WE2XMW

(Call Sign)

XT      FX

(Class of Station)

0111-EX-PL-2007

(File Number)

NAME General Dynamics Armament and Technical Products, 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(b & g) 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 July 10, 2008 and  
will expire 3:00 A.M. EST July 01, 2010

**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) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation 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.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (6) Operations are subject to prior coordination with affected existing and future Advanced Wireless Services (AWS) licensees.
- (7) This license SUPERSEDES the previously issued license with the same call sign and file number: adds 1030 and 1090 MHz.