

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

EXPERIMENTAL

(Nature of Service)

WE2XXN

(Call Sign)

XD      FX MO

(Class of Station)

0008-EX-ML-2011

(File Number)

NAME Lockheed Martin

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(i) of the Commission's Rules

Station Locations

- (1) Edinburgh, IN - NL 39-20-49; WL 86-01-20; MOBILE: Edinburgh, IN, within 10 km, centered around NL 39-20-49; WL 86-01-20
- (2) Suffolk, VA - NL 36-53-40; WL 76-25-57; MOBILE: Suffolk, VA, within 7 km, centered around NL 36-53-40; WL 76-25-57
- (3) San Miguel, CA - NL 35-47-20; WL 120-44-04; MOBILE: San Miguel, CA, within 10 km, centered around NL 35-47-20; WL 120-44-04
- (4) Yorktown, VA - NL 37-08-18; WL 76-37-21; MOBILE: Yorktown, VA, within 10 km, centered around NL 37-08-18; WL 76-37-21
- (5) Marietta (COBB), GA - NL 33-55-37; WL 84-31-41; MOBILE: Marietta [COBB], GA, within 10 km, centered around NL 33-55-37; WL 84-31-41
- (6) Avon Park (POLK), FL - NL 27-39-12; WL 81-20-45; MOBILE: Avon Park [POLK], FL, within 10 km, centered around NL 27-39-12; WL 81-20-45
- (7) Herndon (FAIRFAX), VA - NL 38-57-13; WL 77-24-53; MOBILE: Herndon [FAIRFAX], VA, within 10 km, centered around NL 38-57-13; WL 77-24-53

Frequency Information

Edinburgh, IN - NL 39-20-49; WL 86-01-20; MOBILE: Edinburgh, IN, within 10 km, centered around NL 39-20-49; WL 86-01-20

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1922.4-1932.4 MHz | MO            | 10M0F8W             | 20 W (ERP)       |                           |

This authorization effective February 08, 2011 and  
will expire 3:00 A.M. EST January 01, 2013

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Edinburgh, IN - NL 39-20-49; WL 86-01-20; MOBILE: Edinburgh, IN, within 10 km, centered around NL 39-20-49; WL 86-01-20

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 2112.4-2122.4 MHz | FX            | 10M0F8W             | 20 W (ERP)       |                           |

Suffolk, VA - NL 36-53-40; WL 76-25-57; MOBILE: Suffolk, VA, within 7 km, centered around NL 36-53-40; WL 76-25-57

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1922.4-1932.4 MHz | MO            | 10M0F8W             | 20 W (ERP)       |                           |
| 2112.4-2122.4 MHz | FX            | 10M0F8W             | 20 W (ERP)       |                           |

San Miguel, CA - NL 35-47-20; WL 120-44-04; MOBILE: San Miguel, CA, within 10 km, centered around NL 35-47-20; WL 120-44-04

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1922.4-1932.4 MHz | MO            | 10M0F8W             | 20 W (ERP)       |                           |
| 2112.4-2122.4 MHz | FX            | 10M0F8W             | 20 W (ERP)       |                           |

Yorktown, VA - NL 37-08-18; WL 76-37-21; MOBILE: Yorktown, VA, within 10 km, centered around NL 37-08-18; WL 76-37-21

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1922.4-2112.4 MHz | MO            | 10M0F8W             | 20 W (ERP)       |                           |

## Frequency Information

Yorktown, VA - NL 37-08-18; WL 76-37-21; MOBILE: Yorktown, VA, within 10 km, centered around NL 37-08-18; WL 76-37-2

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 2112.4-2122.4 MHz | FX            | 10M0F8W             | 20 W (ERP)       |                           |

Marietta (COBB), GA - NL 33-55-37; WL 84-31-41; MOBILE: Marietta [COBB], GA, within 10 km, centered around NL 33-55-3

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1922.4-1932.4 MHz | MO            | 10M0F8W             | 20 W (ERP)       |                           |
| 2112.4-2122.4 MHz | FX            | 10M0F8W             | 20 W (ERP)       |                           |

Avon Park (POLK), FL - NL 27-39-12; WL 81-20-45; MOBILE: Avon Park [POLK], FL, within 10 km, centered around NL 27-3

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1922.4-1932.4 MHz | MO            | 10M0F8W             | 20 W (ERP)       |                           |
| 2112.4-2122.4 MHz | FX            | 10M0F8W             | 20 W (ERP)       |                           |

Herndon (FAIRFAX), VA - NL 38-57-13; WL 77-24-53; MOBILE: Herndon [FAIRFAX], VA, within 10 km, centered around NL

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 1922.4-1932.4 MHz | MO            | 10M0F8W             | 20 W (ERP)       |                           |

## Frequency Information

Herndon (FAIRFAX), VA - NL 38-57-13; WL 77-24-53; MOBILE: Herndon [FAIRFAX], VA, within 10 km, centered around NL

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 2112.4-2122.4 MHz | FX            | 10M0F8W             | 20 W (ERP)       |                           |

## Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (6) 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.