

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WF2XSG

(Call Sign)

0098-EX-ML-2013

(File Number)

NAME Lockheed Martin Corporation

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) Fort Worth (TARRANT), TX - NL 32-46-57; WL 97-26-48; MOBILE: Fort Worth(TARRANT), TX, within 240 km, centered around NL 32-46-57; WL 97-26-48
- (2) MOBILE: Fort Worth(TARRANT), TX, within 240 km, centered around NL 32-46-23; WL 97-26-54
- (3) MOBILE: Eglin AFB(OKALOOSA), FL, within 240 km, centered around NL 30-28-31; WL 86-30-50
- (4) MOBILE: Edwards AFB(LOS ANGELES), CA, within 240 km, centered around NL 34-54-52; WL 117-54-46
- (5) MOBILE: Patuxent (FREDRICK), MD, within 240 km, centered around NL 38-17-09; WL 76-24-31
- (6) MOBILE: Ogden, UT, within 240 km, centered around NL 41-07-25; WL 111-58-24
- (7) MOBILE: Las Vegas, NV, within 240 km, centered around NL 36-14-09; WL 115-02-04

Frequency Information

Fort Worth (TARRANT), TX - NL 32-46-57; WL 97-26-48; MOBILE: Fort Worth(TARRANT), TX, within 240 km, centered around

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | FX            | 18M5F1D             | 6.25 W (ERP)     |                           |

This authorization effective August 26, 2013 and  
will expire 3:00 A.M. EST August 01, 2015

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Fort Worth (TARRANT), TX - NL 32-46-57; WL 97-26-48; MOBILE: Fort Worth(TARRANT), TX, within 240 km, centered around

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | MO            | 18M5F1D             | 6.25 W (ERP)     |                           |

MOBILE: Fort Worth(TARRANT), TX, within 240 km, centered around NL 32-46-23; WL 97-26-54

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | MO            | 18M5F1D             | 6.25 W (ERP)     |                           |

MOBILE: Eglin AFB(OKALOOSA), FL, within 240 km, centered around NL 30-28-31; WL 86-30-50

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | MO            | 18M5F1D             | 6.25 W (ERP)     |                           |

MOBILE: Edwards AFB(LOS ANGELES), CA, within 240 km, centered around NL 34-54-52; WL 117-54-46

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | MO            | 18M5F1D             | 6.25 W (ERP)     |                           |

## Frequency Information

MOBILE: Patuxent (FREDRICK), MD, within 240 km, centered around NL 38-17-09; WL 76-24-31

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | MO            | 18M5F1D             | 6.25 W (ERP)     |                           |

MOBILE: Ogden, UT, within 240 km, centered around NL 41-07-25; WL 111-58-24

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | MO            | 18M5F1D             | 6.25 W (ERP)     |                           |

MOBILE: Las Vegas, NV, within 240 km, centered around NL 36-14-09; WL 115-02-04

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | MO            | 18M5F1D             | 6.25 W (ERP)     |                           |

## Special Conditions:

- (1) All operations subject to prior coordination with Area Frequency Coordinator Pacific Missile Range, Point Mugu, California: (805) 989-7983.
- (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) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (5) MAXIMUM AGL 6100 METERS.
- (6) All operations subject to prior coordination with Area Frequency Coordinator located at the Naval Air Warfare Center, Aircraft Division, Patuxent River, MD. Prior to use within the area enclosed by 100 kilometers radius of HQ building.