

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

EXPERIMENTAL

(Nature of Service)

WI2XSI

(Call Sign)

XC      FX MO

(Class of Station)

0107-EX-CM-2017

(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(c) of the Commission's Rules

Station Locations

- (1) Grand Prairie (TARRANT), TX - NL 32-43-03; WL 97-01-42; MOBILE: Grand Prairie, TX, within 1 km, centered around NL 32-43-03; WL 97-01-42
- (2) Mineral Wells (PALO PINTO), TX - NL 32-46-45; WL 98-16-23; MOBILE: Mineral Wells, TX, within 1 km, centered around NL 32-46-45; WL 98-16-23
- (3) Socorro (SOCORRO), NM - NL 34-04-50; WL 107-00-06; MOBILE: Socorro, NM, within 8 km, centered around NL 34-04-50; WL 107-00-06

Frequency Information

Grand Prairie (TARRANT), TX - NL 32-43-03; WL 97-01-42; MOBILE: Grand Prairie, TX, within 1 km, centered around NL 32-

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2402-2482 MHz | FX            |                     | 1 W (ERP)        | 0.0002 %                  |
|               |               | 5M70D1D             |                  |                           |
|               |               | 11M1D1D             |                  |                           |
|               |               | 522KG1D             |                  |                           |
|               |               | 1M00G1D             |                  |                           |
|               |               | 1M07D1D             |                  |                           |
|               |               | 1M90G1D             |                  |                           |
|               |               | 2M12D1D             |                  |                           |
|               |               | 3M96G1D             |                  |                           |
|               |               | 4M23D1D             |                  |                           |

This authorization effective July 10, 2017 and  
will expire 3:00 A.M. EST February 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Grand Prairie (TARRANT), TX - NL 32-43-03; WL 97-01-42; MOBILE: Grand Prairie, TX, within 1 km, centered around NL 32-

| Frequency     | Station Class | Emission Designator                                                                                        | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 2402-2482 MHz | FX            | 8M38D1D                                                                                                    | 1 W (ERP)        | 0.0002 %                  |
| 2402-2482 MHz | MO            | 5M70D1D<br>11M1D1D<br>522KG1D<br>1M00G1D<br>1M07D1D<br>1M90G1D<br>2M12D1D<br>3M96G1D<br>4M23D1D<br>8M38D1D | 1 W (ERP)        | 0.0002 %                  |

Mineral Wells (PALO PINTO), TX - NL 32-46-45; WL 98-16-23; MOBILE: Mineral Wells, TX, within 1 km, centered around NL

| Frequency     | Station Class | Emission Designator                                                                                        | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 2402-2482 MHz | FX            | 5M70D1D<br>11M1D1D<br>522KG1D<br>1M00G1D<br>1M07D1D<br>1M90G1D<br>2M12D1D<br>3M96G1D<br>4M23D1D<br>8M38D1D | 1 W (ERP)        | 0.0002 %                  |
| 2402-2482 MHz | MO            | 5M70D1D<br>11M1D1D                                                                                         | 1 W (ERP)        | 0.0002 %                  |

## Frequency Information

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|---------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 2402-2482 MHz | MO            | 522KG1D<br>1M00G1D<br>1M07D1D<br>1M90G1D<br>2M12D1D<br>3M96G1D<br>4M23D1D<br>8M38D1D | 1 W (ERP)        | 0.0002 %                  |

Socorro (SOCORRO), NM - NL 34-04-50; WL 107-00-06; MOBILE: Socorro, NM, within 8 km, centered around NL 34-04-50;

| Frequency     | Station Class | Emission Designator                                                                                        | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 2402-2482 MHz | MO            | 5M70D1D<br>11M1D1D<br>522KG1D<br>1M00G1D<br>1M07D1D<br>1M90G1D<br>2M12D1D<br>3M96G1D<br>4M23D1D<br>8M38D1D | 1 W (ERP)        | 0.0002 %                  |
| 2402-2482 MHz | FX            | 5M70D1D<br>11M1D1D<br>522KG1D<br>1M00G1D<br>1M07D1D<br>1M90G1D<br>2M12D1D<br>3M96G1D                       | 1 W (ERP)        | 0.0002 %                  |

## Frequency Information

Socorro (SOCORRO), NM - NL 34-04-50; WL 107-00-06; MOBILE: Socorro, NM, within 8 km, centered around NL 34-04-50;

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2402-2482 MHz | FX            | 4M23D1D<br>8M38D1D  | 1 W (ERP)        | 0.0002 %                  |

## Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [http://freq.sbe.org/pdf\\_files/coordinators.pdf](http://freq.sbe.org/pdf_files/coordinators.pdf) to find the appropriate coordinator.
- (2) 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.
- (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.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number HR0011-15-C-0147. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.