

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

EXPERIMENTAL  
(Nature of Service)  
  
XE MO  
(Class of Station)

WD2XIV  
(Call Sign)  
  
0102-EX-CR-2021  
(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) MOBILE: States of AR, CA, LA, NM, OK, TX and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.
- (2) MOBILE: States of AR, CA, LA, NM, OK, TX and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.
- (3) MOBILE: Mobile area of operations in a rectangular area near Tonopah, NV, defined by 38°00'N 117°05'W, 38°00'N 114°50'W, 36°00'N 114°50'W, 36°00'N 117°05'W.
- (4) MOBILE: Mobile area of operations in a rectangular area near Eglin AFB, FL, defined by 32°00'N 088°00'W, 32°00'N 085°00'W, 28°00'N 085°00'W, 28°00'N 088°00'W.
- (5) MOBILE: Mobile area of operations in a rectangular area near Pax River NAS, MD, defined by 39°20'N 077°00'W, 39°20'N 075°20'W, 37°40'N 077°00'W, 37°40'N 075°20'W.
- (6) MOBILE: Mobile area of operations in a rectangular area near China Lake, CA, defined by 36°00'N 118°35'W, 36°00'N 116°20'W, 34°30'N 116°20'W, 34°30'N 118°35'W.

Frequency Information

MOBILE: States of AR, CA, LA, NM, OK, TX and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 252.6 MHz | MO            | 20K5F1D<br>10K2A1D  | 15 W (ERP)       |                           |

This authorization effective March 01, 2021 and  
will expire 3:00 A.M. EST March 01, 2023

FEDERAL  
COMMUNICATIONS  
COMMISSION



## Frequency Information

MOBILE: States of AR, CA, LA, NM, OK, TX and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 252.6 MHz | MO            | 6K20A3E             | 15 W (ERP)       |                           |

MOBILE: States of AR, CA, LA, NM, OK, TX and within the two rectangles defined by 30 N, 98 W; 30 N, 94 W; 26, 30' N, 98 W; 26, 30' N, 94 W; and 30 N, 94 W; 30 N, 89 W; 28 N, 94 W; 28 N, 89 W.

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 299.3 MHz | MO            | 6K20A3E<br>10K2A1D<br>20K5F1D | 15 W (ERP)       |                           |

MOBILE: Mobile area of operations in a rectangular area near Tonopah, NV, defined by 38°00'N 117°05'W, 38°00'N 114°50'W, 36°00'N 114°50'W, 36°00'N 117°05'W.

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 252.6 MHz | MO            | 6K20A3E<br>10K2A1D<br>20K5F1D | 15 W (ERP)       |                           |
| 299.3 MHz | MO            | 6K20A3E<br>10K2A1D<br>20K5F1D | 15 W (ERP)       |                           |

## Frequency Information

MOBILE: Mobile area of operations in a rectangular area near Eglin AFB, FL, defined by 32°00'N 088°00'N, 32°00'N 085°00'W, 28°00'N 085°00'W, 28°00'N 088°00'W.

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 252.6 MHz | MO            | 6K20A3E<br>10K2A1D<br>20K5F1D | 15 W (ERP)       |                           |
| 299.3 MHz | MO            | 6K20A3E<br>10K2A1D<br>20K5F1D | 15 W (ERP)       |                           |

MOBILE: Mobile area of operations in a rectangular area near Pax River NAS, MD, defined by 39°20'N 077°00'W, 39°20'N 075°20'W, 37°40'N 077°00'W, 37°40'N 075°20'W.

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 252.6 MHz | MO            | 6K20A3E<br>10K2A1D<br>20K5F1D | 15 W (ERP)       |                           |
| 299.3 MHz | MO            | 6K20A3E<br>10K2A1D<br>20K5F1D | 15 W (ERP)       |                           |

MOBILE: Mobile area of operations in a rectangular area near China Lake, CA, defined by 36°00'N 118°35'W, 36°00'N 116°20'W, 34°30'N 116°20'W, 34°30'N 118°35'W.

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 252.6 MHz | MO            | 6K20A3E<br>10K2A1D  | 15 W (ERP)       |                           |

## Frequency Information

MOBILE: Mobile area of operations in a rectangular area near China Lake, CA, defined by 36°00'N 118°35'W, 36°00'N 116°20'W, 34°30'N 116°20'W, 34°30'N 118°35'W.

| Frequency | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|-------------------------------|------------------|---------------------------|
| 252.6 MHz | MO            | 20K5F1D                       | 15 W (ERP)       |                           |
| 299.3 MHz | MO            | 6K20A3E<br>10K2A1D<br>20K5F1D | 15 W (ERP)       |                           |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by State Department contract DP3/4/8/1/2015/52. 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.
- (4) Subject to coordination prior to operations with the following Area Frequency Coordinators:

Nellis AFB, Nevada, phone (702) 652-3417  
 Eglin AFB, Florida, phone (850) 883-7535  
 Pax River, Maryland, phone (301) 342-1194  
 China Lake, California, phone (760) 939-6948

- (5) Licensee should be aware that US Air Force and US Marine Corp stations are licensed on these frequencies, and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (6) Lockheed Martin Point-of-Contact: Rick Coffey at (817) 312-9219 (Cell).
- (7) Stop Buzzers:

Nellis Flight Testing, phone (702) 653-4537 (Desk)  
 Pax River Flight Testing, phone (301) 342-1158 (Desk)  
 Eglin Flight Testing, phone (850) 883-0629 (Desk)  
 China Lake Flight Testing, phone (760) 939-6908 (Desk)

**Special Conditions:**

- (8) This authorization is based on the condition that this equipment is confined for use overseas.