

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

EXPERIMENTAL

(Nature of Service)

WF2XYT

(Call Sign)

XD FX MO

(Class of Station)

0539-EX-CR-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(j) of the Commission's Rules

Station Locations

- (1) Owego (TIOGA), NY - NL 42-07-26; WL 76-11-30; MOBILE: Owego, NY, within 50 km, centered around NL 42-07-26; WL 76-11-30
- (2) Fort Hunter Liggett (MONTEREY), CA - NL 35-58-33; WL 121-13-33; MOBILE: Fort Hunter Liggett, CA, within 50 km, centered around NL 35-58-33; WL 121-13-33
- (3) Camp Roberts (MONTEREY), CA - NL 35-47-27; WL 120-46-26; MOBILE: Camp Roberts, CA, within 50 km, centered around NL 35-47-27; WL 120-46-26
- (4) San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-14-21; WL 120-40-28; MOBILE: San Luis Obispo, CA, within 50 km, centered around NL 35-14-21; WL 120-40-28
- (5) Dugway Proving Groun (TOOELE), UT - NL 40-11-50; WL 112-56-06; MOBILE: Dugway Proving Ground, UT, within 50 km, centered around NL 40-11-50; WL 112-56-06
- (6) Santa Margariata (SAN LUIS OBISPO), CA - NL 35-19-25; WL 120-00-04; MOBILE: Santa Margariata, CA, within 50 km, centered around NL 35-19-25; WL 120-00-04

Frequency Information

Owego (TIOGA), NY - NL 42-07-26; WL 76-11-30; MOBILE: Owego, NY, within 50 km, centered around NL 42-07-26; WL 76-:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
392.67 MHz	FX	250KF1D	6.05 W (ERP)	

This authorization effective January 30, 2018 and
will expire 3:00 A.M. EST April 18, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Owego (TIOGA), NY - NL 42-07-26; WL 76-11-30; MOBILE: Owego, NY, within 50 km, centered around NL 42-07-26; WL 76-:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
394.39 MHz	FX	250KF1D	6.05 W (ERP)	
408.24 MHz	FX	250KF1D	6.05 W (ERP)	
413.94 MHz	FX	250KF1D	6.05 W (ERP)	
1719 MHz	MO	18M0F8W	6.2 W (ERP)	
1801 MHz	MO	18M0F8W	6.2 W (ERP)	
2027.5 MHz	MO	4M68G1D	5 W (ERP)	
2027.5 MHz	FX	4M68G1D	32 W (ERP)	
2035 MHz	MO	20M0G1D	5 W (ERP)	
2035 MHz	FX	20M0G1D	32 W (ERP)	
2037.5 MHz	FX	4M68G1D	32 W (ERP)	

Frequency Information

Owego (TIOGA), NY - NL 42-07-26; WL 76-11-30; MOBILE: Owego, NY, within 50 km, centered around NL 42-07-26; WL 76-:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2037.5 MHz	MO	4M68G1D	5 W (ERP)	
2047.5 MHz	FX	4M68G1D	32 W (ERP)	
2047.5 MHz	MO	4M68G1D	5 W (ERP)	
2060 MHz	FX	20M0G1D	32 W (ERP)	
2060 MHz	MO	20M0G1D	5 W (ERP)	
2067.5 MHz	FX	4M68G1D	32 W (ERP)	
2067.5 MHz	MO	4M68G1D	5 W (ERP)	
2275 MHz	MO	18M0F8W	6.2 W (ERP)	

Fort Hunter Liggett (MONTEREY), CA - NL 35-58-33; WL 121-13-33; MOBILE: Fort Hunter Liggett, CA, within 50 km, centere

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
392.67 MHz	FX	250KF1D	1 W (ERP)	

Frequency Information

Fort Hunter Liggett (MONTEREY), CA - NL 35-58-33; WL 121-13-33; MOBILE: Fort Hunter Liggett, CA, within 50 km, centere

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
394.39 MHz	FX	250KF1D	1 W (ERP)	
408.24 MHz	FX	250KF1D	1 W (ERP)	
413.94 MHz	FX	250KF1D	1 W (ERP)	
1719 MHz	MO	18M0F8W	2 W (ERP)	
1801 MHz	MO	18M0F8W	2 W (ERP)	
2027.5 MHz	MO	4M68G1D	5 W (ERP)	
2027.5 MHz	FX	4M68G1D	32 W (ERP)	
2035 MHz	MO	20M0G1D	5 W (ERP)	
2035 MHz	FX	20M0G1D	32 W (ERP)	
2037.5 MHz	MO	4M68G1D	5 W (ERP)	

Frequency Information

Fort Hunter Liggett (MONTEREY), CA - NL 35-58-33; WL 121-13-33; MOBILE: Fort Hunter Liggett, CA, within 50 km, centere

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2037.5 MHz	FX	4M68G1D	32 W (ERP)	
2047.5 MHz	MO	4M68G1D	5 W (ERP)	
2047.5 MHz	FX	4M68G1D	32 W (ERP)	
2060 MHz	MO	20M0G1D	5 W (ERP)	
2060 MHz	FX	20M0G1D	32 W (ERP)	
2067.5 MHz	FX	4M68G1D	32 W (ERP)	
2067.5 MHz	MO	4M68G1D	5 W (ERP)	
2275 MHz	MO	18M0F8W	2 W (ERP)	

Camp Roberts (MONTEREY), CA - NL 35-47-27; WL 120-46-26; MOBILE: Camp Roberts, CA, within 50 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
392.67 MHz	FX	250KF1D	1 W (ERP)	

Frequency Information

Camp Roberts (MONTEREY), CA - NL 35-47-27; WL 120-46-26; MOBILE: Camp Roberts, CA, within 50 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
394.39 MHz	FX	250KF1D	1 W (ERP)	
408.4 MHz	FX	250KF1D	1 W (ERP)	
413.94 MHz	FX	250KF1D	1 W (ERP)	
1719 MHz	MO	18M0F8W	2 W (ERP)	
1801 MHz	MO	18M0F8W	2 W (ERP)	
2027.5 MHz	FX	4M68G1D	32 W (ERP)	
2027.5 MHz	MO	4M68G1D	5 W (ERP)	
2035 MHz	MO	20M0G1D	5 W (ERP)	
2035 MHz	FX	20M0G1D	32 W (ERP)	
2037.5 MHz	MO	4M68G1D	5 W (ERP)	

Frequency Information

Camp Roberts (MONTEREY), CA - NL 35-47-27; WL 120-46-26; MOBILE: Camp Roberts, CA, within 50 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2037.5 MHz	FX	4M68G1D	32 W (ERP)	
2047.5 MHz	MO	4M68G1D	5 W (ERP)	
2047.5 MHz	FX	4M68G1D	32 W (ERP)	
2060 MHz	MO	20M0G1D	5 W (ERP)	
2060 MHz	FX	20M0G1D	32 W (ERP)	
2067.5 MHz	MO	4M68G1D	5 W (ERP)	
2067.5 MHz	FX	4M68G1D	32 W (ERP)	
2275 MHz	MO	18M0F8W	2 W (ERP)	

San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-14-21; WL 120-40-28; MOBILE: San Luis Obispo, CA, within 50 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
392.67 MHz	FX	250KF1D	1 W (ERP)	

Frequency Information

San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-14-21; WL 120-40-28; MOBILE: San Luis Obispo, CA, within 50 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
394.39 MHz	FX	250KF1D	1 W (ERP)	
408.24 MHz	FX	250KF1D	1 W (ERP)	
413.94 MHz	FX	250KF1D	1 W (ERP)	
1719 MHz	MO	18M0F8W	2 W (ERP)	
1801 MHz	MO	18M0F8W	2 W (ERP)	
2027.5 MHz	FX	4M68G1D	32 W (ERP)	
2027.5 MHz	MO	4M68G1D	5 W (ERP)	
2035 MHz	MO	20M0G1D	5 W (ERP)	
2035 MHz	FX	20M0G1D	32 W (ERP)	
2037.5 MHz	MO	4M68G1D	5 W (ERP)	

Frequency Information

San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-14-21; WL 120-40-28; MOBILE: San Luis Obispo, CA, within 50 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2037.5 MHz	FX	4M68G1D	32 W (ERP)	
2047.5 MHz	FX	4M68G1D	32 W (ERP)	
2047.5 MHz	MO	4M68G1D	5 W (ERP)	
2275 MHz	MO	18M0F8W	2 W (ERP)	

Dugway Proving Ground (TOOELE), UT - NL 40-11-50; WL 112-56-06; MOBILE: Dugway Proving Ground, UT, within 50 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030 MHz	FX	4M68G1D	32 W (ERP)	
2030 MHz	MO	4M68G1D	5 W (ERP)	
2035 MHz	FX	4M68G1D 5M00D1D	32 W (ERP)	
2035 MHz	MO	4M68G1D 5M00D1D	5 W (ERP)	

Frequency Information

Dugway Proving Groun (TOOELE), UT - NL 40-11-50; WL 112-56-06; MOBILE: Dugway Proving Ground, UT, within 50 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2045 MHz	FX	4M68G1D	32 W (ERP)	
2045 MHz	MO	4M68G1D	32 W (ERP)	
2060 MHz	MO	4M68G1D 20M0G1D 5M00D1D	5 W (ERP)	
2060 MHz	FX	4M68G1D 20M0G1D 5M00D1D	32 W (ERP)	

Santa Margariata (SAN LUIS OBISPO), CA - NL 35-19-25; WL 120-00-04; MOBILE: Santa Margariata, CA, within 50 km, cen

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2027.5 MHz	MO	4M68G1D	5 W (ERP)	
2027.5 MHz	FX	4M68G1D	32 W (ERP)	
2035 MHz	MO	20M0G1D	5 W (ERP)	
2035 MHz	FX	20M0G1D	32 W (ERP)	

Frequency Information

Santa Margariata (SAN LUIS OBISPO), CA - NL 35-19-25; WL 120-00-04; MOBILE: Santa Margariata, CA, within 50 km, cen

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2037.5 MHz	MO	4M68G1D	5 W (ERP)	
2037.5 MHz	FX	4M68G1D	32 W (ERP)	
2047.5 MHz	MO	4M68G1D	5 W (ERP)	
2047.5 MHz	FX	4M68G1D	32 W (ERP)	
2060 MHz	MO	20M0G1D	5 W (ERP)	
2060 MHz	FX	20M0G1D	32 W (ERP)	
2067.5 MHz	FX	4M68G1D	32 W (ERP)	
2067.5 MHz	MO	4M68G1D	5 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.

Special Conditions:

- (4) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (5) 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 to find the appropriate coordinator.
- (6) The designated point-of-contact to terminate transmissions if interference occurs are: Kyle England at (805) 540-1797 and Todd Kopl at (607) 751-6752.
- (7) Operational development not allowed in the 406.1-420 MHz band. This system is for operational use outside the USP only.