

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

EXPERIMENTAL

(Nature of Service)

WH2XZF

(Call Sign)

XC FX MO

(Class of Station)

0442-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(c) of the Commission's Rules

Station Locations

- (1) San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-14-17; WL 120-40-30
- (2) MOBILE: Jolson, CA, within 16 km, centered around NL 35-58-11; WL 121-19-51

Frequency Information

San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-14-17; WL 120-40-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
365.5 MHz	FX	125KF1D 280KF1D	1 W (ERP)	
367 MHz	FX	280KF1D 125KF1D	1 W (ERP)	
369.5 MHz	FX	280KF1D 125KF1D	1 W (ERP)	

This authorization effective October 31, 2017 and
will expire 3:00 A.M. EST January 01, 2019

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Frequency Information

San Luis Obispo (SAN LUIS OBISPO), CA - NL 35-14-17; WL 120-40-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
370.5 MHz	FX	280KF1D 125KF1D	1 W (ERP)	
1350-1390 MHz	FX	280KF1D	1 W (ERP)	
1625-1755 MHz	FX	4M79G1D	2 W (ERP)	
1670-1700 MHz	FX	280KF1D	1 W (ERP)	
2230 MHz	FX	9M58G1D	10 W (ERP)	
2240 MHz	FX	9M58G1D	10 W (ERP)	
2250 MHz	FX	9M58G1D	10 W (ERP)	

MOBILE: Jolson, CA, within 16 km, centered around NL 35-58-11; WL 121-19-51

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MOBILE: Jolson, CA, within 16 km, centered around NL 35-58-11; WL 121-19-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
367 MHz	FX	125KF1D	1 W (ERP)	
369.5 MHz	FX	125KF1D 280KF1D	1 W (ERP)	
370.5 MHz	FX	280KF1D 125KF1D	1 W (ERP)	
1350-1390 MHz	FX	280KF1D	1 W (ERP)	
1625-1850 MHz	FX	4M79G1D	2 W (ERP)	
1670-1700 MHz	FX	280KF1D	1 W (ERP)	
2230 MHz	MO	9M58G1D	10 W (ERP)	
2240 MHz	MO	9M58G1D	10 W (ERP)	
2250 MHz	MO	9M58G1D	10 W (ERP)	

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Western Coordinator, Los Angeles, CA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Western Coordinator, Los Angeles, CA, as necessary to ensure compatibility with existing uses.
- (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) 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.
- (5) Operation in 1625-1755 MHz is subject to coordination with the Western Area Frequency Coordinator (WAFC), at Phone: (760) 939-6948.
- (6) 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 H92254-09-D-0001. 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.
- (7) Secure consents from the AWS licensees prior to accessing to 1625-1850 MHz and 1670-1700 MHz bands.
- (8) Coordinate with the local SBE frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2345-2500 MHz bands. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (9) Operation must not exceed 1400 ft. AGL.
- (10) Operation in 2496-2500 MHz requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.