

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WI2XQF

(Call Sign)

0191-EX-CN-2016

(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) Aztec (YUMA), AZ - NL 32-52-00; WL 113-26-09

Frequency Information

Aztec (YUMA), AZ - NL 32-52-00; WL 113-26-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
69-69.5 MHz	FX	25K0F3E 25K0M2N	30 W (ERP)	
138-139.5 MHz	FX	12K0F3E 12K0M2N	30 W (ERP)	
145-146.5 MHz	FX	12K0F3E 12K0M2N	30 W (ERP)	
152-153.5 MHz	FX	25K0F3E	30 W (ERP)	

This authorization effective January 03, 2017 and
will expire 3:00 A.M. EST January 01, 2019

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COMMUNICATIONS
COMMISSION**



Frequency Information

Aztec (YUMA), AZ - NL 32-52-00; WL 113-26-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152-153.5 MHz	FX	25K0M2N	30 W (ERP)	
159-160.5 MHz	FX	25K0F3E 25K0M2N	30 W (ERP)	
166-167.5 MHz	FX	12K0F3E 12K0M2N	30 W (ERP)	
420-450 MHz	FX	6M00W9W 25K0F3E	30 W (ERP)	
2120-2200 MHz	FX	40M0M7D 40M0M7N 25K0F3E	30 W (ERP)	
2200-2300 MHz	FX	40M0W9W 40M0M7N 25K0F3E	30 W (ERP)	
2410-2483 MHz	FX	25K0F3E 40M0M7N 40M0M7D	30 W (ERP)	
2496-2500 MHz	FX	3M90M7D 3M90M7N	30 W (ERP)	

Frequency Information

Aztec (YUMA), AZ - NL 32-52-00; WL 113-26-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2500 MHz	FX	3K90F3E	30 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to "notification" of the Paging Service licensees in 152 MHz and 152 MHz/158 MHz within 50 miles of the test area.
- (4) Secure consents from the AWS licensees prior to accessing to 2120-2200 MHz band.
- (5) Coordinate with the Fixed Microwave Service licensees prior to operation in 2410-2483 MHz band.
- (6) Coordinate with the local SBE frequency coordinator prior to operation in 69-69.5 MHz, 152- 153. 5 MHz, 159-160.5 MHz, 166-167.5 MHz and 2410-2483 MHz bands.
- (7) DoD AFC AZ concurs with the subject Lockheed Martin FCC STA request with the requirement that Lockheed Martin will coordinate any and all use of frequencies between 2100 and 2300 MHz with the YPG Spectrum Manager (YPG SMO), prior to the intended use by Lockheed Martin. This requirement is to prevent RFI to YPG as well as to the Lockheed Martin tests. Use of frequencies within the band other than the 2100 -2300 MHz band do not require prior coordination with the YPG SMO. The coordination number for this STA is 16080801.
YPG Spectrum Management Officer (YPG SMO)
Steven D. Sparks
COM: 928-328-7144
steven.d.sparks.civ@mail.mil

Special Conditions:

- (8) The following frequencies must be notched to protect Navy operations in the area:

138.9750 MHz +/- 6.25 KHz
139.2500 MHz +/- 3 KHz
139.2750 MHz +/- 3.5 KHz
139.3125 MHz +/- 6.25 KHz
139.4500 MHz +/- 6.25 KHz
139.4625 MHz +/- 3.5 KHz

427.7500 MHz +/- 3.25 MHz
432.7500 MHz +/- 3.25 MHz
437.7500 MHz +/- 3.25 MHz
442.7500 MHz +/- 3.25 MHz

2205 MHz +/- 4.25 MHz
2205.5 MHz +/- 4.055 MHz
2215 MHz +/- 9.25 MHz
2225 MHz +/- 9.25 MHz
2231.5 MHz +/- 4.055 MHz
2235 MHz +/- 9.25 MHz
2245 MHz +/- 9.25 MHz
2265 MHz +/- 9.25 MHz
2275 MHz +/- 9.25 MHz
2285 MHz +/- 4.79 MHz

- (9) Operation not permitted in the band 791-798.9 MHz.
(10) Obtain consents from the Broadband Radio Service (BRS) licensees prior to accessing to 2496-2500 MHz band
(11) Stop buzzer is Evan Buskirk at (913) 909-3085.