

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WF2XPV

(Call Sign)

0164-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) Syracuse (ONONDAGA), NY - NL 43-06-29; WL 76-11-26

Frequency Information

Syracuse (ONONDAGA), NY - NL 43-06-29; WL 76-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-2.495 MHz	FX	N0N	8 W (ERP)	
2.505-2.85 MHz	FX	N0N	8 W (ERP)	
3.025-3.4 MHz	FX	N0N	8 W (ERP)	
3.5-4.6 MHz	FX	N0N	8 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Syracuse (ONONDAGA), NY - NL 43-06-29; WL 76-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.74 MHz	FX	N0N	1 W (ERP)	
5.73-6.525 MHz	FX	N0N	8 W (ERP)	
6.765-8.815 MHz	FX	N0N	8 W (ERP)	
9.04-9.995 MHz	FX	N0N	8 W (ERP)	
10.1-11.175 MHz	FX	N0N	1 W (ERP)	
11.4-13.2 MHz	FX	N0N	8 W (ERP)	
13.36-14.99 MHz	FX	N0N	8 W (ERP)	
15.1-17.9 MHz	FX	N0N	8 W (ERP)	
18.03-19.99 MHz	FX	N0N	8 W (ERP)	
20.01-21.924 MHz	FX	N0N	8 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
22-23.3 MHz	FX	N0N	8 W (ERP)	
23.35-24.99 MHz	FX	N0N	8 W (ERP)	
25.01-30 MHz	FX	N0N	1 W (ERP)	
30-74 MHz	FX	N0N	25 W (ERP)	
50.97 MHz	FX	N0N	25 W (ERP)	
63.24 MHz	FX	N0N	25 W (ERP)	
76-87 MHz	FX	N0N	25 W (ERP)	
78.5 MHz	FX	N0N	25 W (ERP)	
97.4 MHz	FX	N0N	25 W (ERP)	
138-162.3125 MHz	FX	N0N	25 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
162.3375-173 MHz	FX	N0N	25 W (ERP)	
175 MHz	FX	N0N	25 W (ERP)	
178 MHz	FX	N0N	25 W (ERP)	
180 MHz	FX	N0N	25 W (ERP)	
183 MHz	FX	N0N	25 W (ERP)	
185 MHz	FX	N0N	25 W (ERP)	
188 MHz	FX	N0N	25 W (ERP)	
190 MHz	FX	N0N	25 W (ERP)	
193 MHz	FX	N0N	25 W (ERP)	
194 MHz	FX	N0N	25 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
195 MHz	FX	N0N	25 W (ERP)	
200 MHz	FX	N0N	25 W (ERP)	
205 MHz	FX	N0N	25 W (ERP)	
210 MHz	FX	N0N	25 W (ERP)	
215 MHz	FX	N0N	25 W (ERP)	
225.4125 MHz	FX	N0N	25 W (ERP)	
226.6875 MHz	FX	N0N	25 W (ERP)	
227.1375 MHz	FX	N0N	25 W (ERP)	
228 MHz	FX	N0N	25 W (ERP)	
229 MHz	FX	N0N	25 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
238.8 MHz	FX	N0N	25 W (ERP)	
248.75 MHz	FX	N0N	25 W (ERP)	
258.1 MHz	FX	N0N N0N	25 W (ERP)	
268.1 MHz	FX	N0N	25 W (ERP)	
277.2 MHz	FX	N0N	25 W (ERP)	
288.8 MHz	FX	N0N	25 W (ERP)	
298.5 MHz	FX	N0N	25 W (ERP)	
308.7 MHz	FX	N0N	25 W (ERP)	
318 MHz	FX	N0N	25 W (ERP)	
328.5 MHz	FX	N0N	25 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
338.15 MHz	FX	N0N	25 W (ERP)	
348.15 MHz	FX	N0N	25 W (ERP)	
358.85 MHz	FX	N0N	25 W (ERP)	
368.9 MHz	FX	N0N	25 W (ERP)	
378.2 MHz	FX	N0N	25 W (ERP)	
381-404 MHz	FX	N0N	25 W (ERP)	
381-386.9875 MHz	FX	N0N	25 W (ERP)	
387.0125-395 MHz	FX	N0N	25 W (ERP)	
396.9-401.194 MHz	FX	N0N	25 W (ERP)	
401.216-404 MHz	FX	N0N	25 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
407-413.1 MHz	FX	N0N	25 W (ERP)	
413.125-414.65 MHz	FX	N0N	25 W (ERP)	
420-449.75 MHz	FX	N0N	25 W (ERP)	
450.25-452 MHz	FX	N0N	25 W (ERP)	
455-469 MHz	FX	N0N	25 W (ERP)	
807-943 MHz	FX	N0N	25 W (ERP)	
953-959 MHz	FX	N0N	25 W (ERP)	
1525-1559 MHz	FX	N0N	25 W (ERP)	
1610-1660.5 MHz	FX	N0N	25 W (ERP)	
1668.4-2025 MHz	FX	N0N	25 W (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (3) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Director of Frequency Coordination; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) 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.
- (7) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (8) 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.
- (9) Operation is subject to prior coordination with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (10) Licensee is subject to prior coordinate with affected public safety operators along the US/Canadian border.
- (11) The designated point-of-contact to terminate transmissions if interference occurs is Rosemarie Evans at (315) 456-1035, and (315) 480-0764.
- (12) 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: N00024-19-D-6200. 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
- (13) Operation in frequency band 1427-2025 is subject to prior coordination with the U.S. Air Force coordinator in Alexandria, VA.
- (14) Secure consents from the AWS licensees prior to accessing to 1525-2015 MHz band. This includes AWS licensees in the following bands:
1670-1675 MHz
AWS-3, 1695-1710 MHz, 1755-1780 MHz
H Block, 1915-1920 MHz, paired with 1995-2000 MHz
AWS-4, 2000-2020 MHz