

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WL2XDN

(Call Sign)

0551-EX-CN-2020

(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) Moorestown (BURLINGTON), NJ - NL 39-58-39; WL 74-54-58

Frequency Information

Moorestown (BURLINGTON), NJ - NL 39-58-39; WL 74-54-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138 MHz	FX	6K00A3E 8K20A3E 11K0F3E 12K5F3E	65.3 W (ERP)	
138.05 MHz	FX	11K0F3E 12K5F3E	65.3 W (ERP)	
138.1 MHz	FX	11K0F3E 12K5F3E	65.3 W (ERP)	

This authorization effective September 03, 2020 and
will expire 3:00 A.M. EST July 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Moorestown (BURLINGTON), NJ - NL 39-58-39; WL 74-54-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.2 MHz	FX	11K0F3E 12K5F3E	65.3 W (ERP)	
138.25 MHz	FX	11K0F3E 12K5F3E	65.3 W (ERP)	
138.5 MHz	FX	11K0F3E 12K5F3E	65.3 W (ERP)	
138.75 MHz	FX	11K0F3E 12K5F3E	65.3 W (ERP)	
139 MHz	FX	11K0F3E 12K5F3E	65.3 W (ERP)	
139.5 MHz	FX	11K0F3E 12K5F3E	65.3 W (ERP)	
156 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	
156.05 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	

Frequency Information

Moorestown (BURLINGTON), NJ - NL 39-58-39; WL 74-54-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
156.1 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	
156.2 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	
156.25 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	
156.5 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	
156.75 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	
157 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	
157.5 MHz	FX	11K0F3E 16K0F3E	62.4 W (ERP)	
174 MHz	FX	11K0F3E 12K5F3E	61 W (ERP)	

Frequency Information

Moorestown (BURLINGTON), NJ - NL 39-58-39; WL 74-54-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
230.28 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	
230.33 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	
230.38 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	
230.48 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	
230.53 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	
230.78 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	
231.03 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	
231.28 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	

Frequency Information

Moorestown (BURLINGTON), NJ - NL 39-58-39; WL 74-54-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
231.78 MHz	FX	10K4F3E 8K20A3E	36.7 W (ERP)	
313 MHz	FX	10K4F3E 8K20A3E	33.5 W (ERP)	
400 MHz	FX	10K4F3E 8K20A3E 11K0F3E 16K0F3E	30.5 W (ERP)	
400.05 MHz	FX	10K4F3E 11K0F3E 16K0F3E	30.5 W (ERP)	
400.1 MHz	FX	10K4F3E 11K0F3E 16K0F3E	30.5 W (ERP)	
400.2 MHz	FX	10K4F3E 11K0F3E 16K0F3E	30.5 W (ERP)	
400.25 MHz	FX	10K4F3E 11K0F3E 16K0F3E	30.5 W (ERP)	

Frequency Information

Moorestown (BURLINGTON), NJ - NL 39-58-39; WL 74-54-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400.5 MHz	FX	10K4F3E 11K0F3E 16K0F3E	30.5 W (ERP)	
400.75 MHz	FX	10K4F3E 11K0F3E 16K0F3E	30.5 W (ERP)	
401 MHz	FX	10K4F3E 11K0F3E 16K0F3E	30.5 W (ERP)	
401.5 MHz	FX	10K4F3E 11K0F3E 16K0F3E	30.5 W (ERP)	
512 MHz	FX	11K0F3E 16K0F3E	27.9 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Prior coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in the frequency bands centered at 157.5 MHz and 174 MHz.

Special Conditions:

- (5) 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 HSCG23-16-C-ADB016. 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.