

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

EXPERIMENTAL

(Nature of Service)

WL2XDB

(Call Sign)

XC FX MO

(Class of Station)

0455-EX-CN-2020

(File Number)

NAME Sikorsky, A Lockheed Martin Company

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) Wappingers Falls (DUTCHESS), NY - NL 41-37-36; WL 73-53-03; MOBILE: KPOU: max altitude 15000 ft AGL, within 85 km
- (2) Rome (ONEIDA), NY - NL 43-14-02; WL 75-24-25; MOBILE: 85 km around KRME 15000 ft, within 85 km
- (3) Stratford (FAIRFIELD), CT - NL 41-15-12; WL 73-05-22; MOBILE: 85 km around KJSD 15000 ft, within 85 km
- (4) Jupiter (PALM BEACH), FL - NL 26-54-30; WL 80-19-42; MOBILE: 85 km around 06FA 15000 ft, within 85 km

Frequency Information

Wappingers Falls (DUTCHESS), NY - NL 41-37-36; WL 73-53-03; MOBILE: KPOU: max altitude 15000 ft AGL, within 85 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1737-1738 MHz	FX	1M23G1D 1M94G1D	1.6 W (ERP)	0.00015 %
2370-2380 MHz	FX	1M23G1D 1M94G1D	1.6 W (ERP)	0.00015 %

This authorization effective August 06, 2020 and
will expire 3:00 A.M. EST June 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Wappingers Falls (DUTCHESS), NY - NL 41-37-36; WL 73-53-03; MOBILE: KPOU: max altitude 15000 ft AGL, within 85 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4500-4600 MHz	MO	1M23G1D 1M94G1D	21.68 W (ERP)	0.00015 %

Rome (ONEIDA), NY - NL 43-14-02; WL 75-24-25; MOBILE: 85 km around KRME 15000 ft, within 85 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1737-1738 MHz	FX	1M23G1D 1M94G1D	1.6 W (ERP)	0.00015 %
2370-2380 MHz	FX	1M23G1D 1M94G1D	1.6 W (ERP)	0.00015 %
4500-4600 MHz	MO	1M23G1D 1M94G1D	21.68 W (ERP)	0.00015 %

Stratford (FAIRFIELD), CT - NL 41-15-12; WL 73-05-22; MOBILE: 85 km around KJSD 15000 ft, within 85 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1737-1738 MHz	FX	1M23G1D 1M94G1D	1.6 W (ERP)	0.00015 %
2370-2380 MHz	FX	1M23G1D 1M94G1D	1.6 W (ERP)	0.00015 %

Frequency Information

Stratford (FAIRFIELD), CT - NL 41-15-12; WL 73-05-22; MOBILE: 85 km around KJSD 15000 ft, within 85 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4500-4600 MHz	MO	1M23G1D 1M94G1D	21.68 W (ERP)	0.00015 %

Jupiter (PALM BEACH), FL - NL 26-54-30; WL 80-19-42; MOBILE: 85 km around 06FA 15000 ft, within 85 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1737-1738 MHz	FX	1M23G1D 1M94G1D	1.6 W (ERP)	0.00015 %
2370-2380 MHz	FX	1M23G1D 1M94G1D	1.6 W (ERP)	0.00015 %
4500-4600 MHz	MO	1M23G1D 1M94G1D	21.68 W (ERP)	0.00015 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Eastern Area Frequency Coordinator, Patrick AFB, FL, who also coordinated it, as appropriate, with Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the Eastern AFC, Patrick AFB, FL, as necessary to ensure compatibility with existing uses.
- (2) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Air Force Spectrum Management Office, Fort Meade, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the Air Force Spectrum Management Office, Fort Meade, MD, as necessary to ensure compatibility with existing uses.

Special Conditions:

- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DARPA contract no. HR00111790004. 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.