

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

EXPERIMENTAL

(Nature of Service)

WJ2XJZ

(Call Sign)

XT FX MO

(Class of Station)

0145-EX-CR-2020

(File Number)

NAME Aurora Flight Sciences

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) Warrenton (FAUQUIER), VA - NL 38-35-32; WL 77-42-41
- (2) Manassas (PRINCE WILLIAM), VA - NL 38-43-30; WL 77-31-00
- (3) MOBILE: Orange, VA: Airborne max altitude 18,000 ft. MSL, within 80 km, centered around NL 38-14-50; WL 78-02-44
- (4) Rome (ONEIDA), NY - NL 43-14-02; WL 75-24-25
- (5) MOBILE: Rome, NY: Airborne max altitude 25,000 ft. MSL, within 45 km, centered around NL 43-30-00; WL 75-25-00
- (6) Aguadilla, PR - NL 18-29-30; WL 67-08-04
- (7) MOBILE: Aguadilla, PR: Airborne max altitude 85,000 ft. MSL, within 100 km, centered around NL 18-29-30; WL 67-08-04

Frequency Information

Warrenton (FAUQUIER), VA - NL 38-35-32; WL 77-42-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	FX	6M87G7D 13M2G1D	2000 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Manassas (PRINCE WILLIAM), VA - NL 38-43-30; WL 77-31-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	FX	6M87G7D 13M2G1D	2000 W (ERP)	

MOBILE: Orange, VA: Airborne max altitude 18,000 ft. MSL, within 80 km, centered around NL 38-14-50; WL 78-02-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	6M87G7D 13M2G1D	13 W (ERP)	

Rome (ONEIDA), NY - NL 43-14-02; WL 75-24-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	FX	6M87G7D 13M2G1D	2000 W (ERP)	

MOBILE: Rome, NY: Airborne max altitude 25,000 ft. MSL, within 45 km, centered around NL 43-30-00; WL 75-25-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	6M87G7D 13M2G1D	13 W (ERP)	

Frequency Information

Aguadilla, PR - NL 18-29-30; WL 67-08-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	FX	6M87G7D 13M2G1D	2000 W (ERP)	

MOBILE: Aguadilla, PR: Airborne max altitude 85,000 ft. MSL, within 100 km, centered around NL 18-29-30; WL 67-08-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	6M87G7D 13M2G1D	13 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.