

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

EXPERIMENTAL

(Nature of Service)

WK2XVQ

(Call Sign)

XT FX MO

(Class of Station)

0100-EX-CN-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) MANASSAS (PRINCE WILLIAM), VA - NL 38-43-30; WL 77-31-00
- (2) MOBILE: Airborne Ops 5000ft MSL, within 80 km, centered around NL 38-14-50; WL 78-02-44

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31.5-32.9 MHz	FX	16K0F3E	20 W (ERP)	
49.6-49.99 MHz	FX	16K0F3E	20 W (ERP)	
75.7-76 MHz	FX	16K0F3E	20 W (ERP)	
147.75-147.95 MHz	FX	16K0F3E	10 W (ERP)	

This authorization effective March 31, 2020 and
will expire 3:00 A.M. EST April 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 (+/-)
171 MHz	FX	16K0F3E	20 W (ERP)	

MOBILE: Airborne Ops 5000ft MSL, within 80 km, centered around NL 38-14-50; WL 78-02-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31.5-32.9 MHz	MO	16K0F3E	5 W (ERP)	
49.6-49.99 MHz	MO	16K0F3E	5 W (ERP)	
75.7-76 MHz	MO	16K0F3E	10 W (ERP)	
147.75-147.95 MHz	MO	16K0F3E	10 W (ERP)	
171 MHz	MO	16K0F3E	10 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) Applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 174-175 MHz band. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.