

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

EXPERIMENTAL

(Nature of Service)

WL2XDW

(Call Sign)

XT FX MO

(Class of Station)

0218-EX-CM-2020

(File Number)

NAME AeroVironment, Inc.

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) MOBILE: Ground based locations within 8km of Center, within 8 km, centered around NL 42-41-44; WL 71-33-06
- (2) MOBILE: Airborne UAS Operations, 8km center 152.4 m AGL, within 8 km, centered around NL 42-41-44; WL 71-33-06
- (3) MOBILE: Ground based locations within 8km of Center, within 8 km, centered around NL 42-38-25; WL 70-49-34
- (4) MOBILE: Airborne UAS Operations, 8km center 152.4 m AGL, within 8 km, centered around NL 42-38-25; WL 70-49-34
- (5) Wilmington (MIDDLESEX), MA - NL 42-32-21; WL 71-09-23
- (6) Burlington (MIDDLESEX), MA - NL 42-28-40; WL 71-11-36

Frequency Information

MOBILE: Ground based locations within 8km of Center, within 8 km, centered around NL 42-41-44; WL 71-33-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1840-1850 MHz	MO	8M00W1W	1.10917 W (ERP)	0.00012 %
2380-2390 MHz	MO	8M00W1W	1.10917 W (ERP)	0.00012 %

This authorization effective October 29, 2020 and
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Frequency Information

Wilmington (MIDDLESEX), MA - NL 42-32-21; WL 71-09-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1840-1850 MHz	FX	8M00W1W	1.10917 W (ERP)	0.00012 %
2380-2390 MHz	FX	8M00W1W	1.10917 W (ERP)	0.00012 %

Burlington (MIDDLESEX), MA - NL 42-28-40; WL 71-11-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1840-1850 MHz	FX	8M00W1W	1.10917 W (ERP)	0.00012 %
2380-2390 MHz	FX	8M00W1W	1.10917 W (ERP)	0.00012 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, and 2360-2390 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.
- (2) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Stop Buzzer POC is Bart Decker 805-391-1335.
- (5) Experimental testing purposes only.
- (6) AFTRCC will not consider operational use of this device for command & control or non AMT purposes in the Aeronautical Telemetry band.
- (7) Non-interference basis to Flight Test telemetry.

Special Conditions:

- (8) AFTRCC database check confirms no conflicting assignments within 20 mile radius.
- (9) USE OF THIS FREQUENCY UNDER THE AUTHORITY OF THIS ASSIGNMENT IS SUBJECT TO FURTHER COORDINATION WITH HQ USAF FRQ COORDINATOR ALEXANDRIA, VA., TO ENSURE COMPATIBILITY WITH EXISTING USES.
United States Air Force Area Frequency Coordinator (USAF AFC) ATTN:
AFSMO/SQA
6910 Cooper Ave.
Fort Meade, MD 20755-7088
COM: (301) 225-3719 DSN: 375-3719
FAX COM: (301) 225-0583