

**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)

0641-EX-CN-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 %                 |

This authorization effective August 21, 2020 and  
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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MOBILE: Airborne UAS Operations, 8km center 152.4 m AGL, within 8 km, centered around NL 42-38-25; WL 70-49-34

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
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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 %                 |

## Frequency Information

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 %                 |

## Special Conditions:

- (1) 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) Stop Buzzer POC is Bart Decker 805-391-1335.