

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

EXPERIMENTAL

(Nature of Service)

WJ2XFX

(Call Sign)

XT MO

(Class of Station)

0823-EX-CN-2017

(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(c & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Blacksburg, VA, within 3.3 km, centered around NL 37-11-48; WL 80-34-42
- (2) MOBILE: Blacksburg, VA: Airborne max altitude 500 ft. AGL, within 3.3 km, centered around NL 37-11-48; WL 80-34-42
- (3) MOBILE: Blacksburg, VA, within 3.3 km, centered around NL 37-11-48; WL 80-34-42
- (4) MOBILE: Blacksburg, VA: Airborne max altitude 500 ft. AGL, within 3.3 km, centered around NL 37-11-48; WL 80-34-42

Frequency Information

MOBILE: Blacksburg, VA, within 3.3 km, centered around NL 37-11-48; WL 80-34-42

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2025-2110 MHz | MO            | 4M68G7W             | 10 W (ERP)       | 0.00012 %                 |

This authorization effective March 01, 2018 and  
will expire 3:00 A.M. EST March 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Blacksburg, VA: Airborne max altitude 500 ft. AGL, within 3.3 km, centered around NL 37-11-48; WL 80-34-42

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2025-2110 MHz | MO            | 1M56G7W             | 2 W (ERP)        | 0.00012 %                 |

MOBILE: Blacksburg, VA, within 3.3 km, centered around NL 37-11-48; WL 80-34-42

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1670-1675 MHz | MO            | 4M68G7W             | 10 W (ERP)       | 0.00012 %                 |

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|---------------|---------------|---------------------|------------------|---------------------------|
| 1670-1675 MHz | MO            | 1M56G7W             | 2 W (ERP)        | 0.00012 %                 |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [http://freq.sbe.org/pdf\\_files/coordinators.pdf](http://freq.sbe.org/pdf_files/coordinators.pdf) to find the appropriate coordinator.
- (3) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation in the 1670-1675 MHz band requires consent of the licensee (Crown Castle International,) and the lessee (Ligado Networks) within 80 km of the test area.