

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI2XVI

(Call Sign)

0229-EX-CR-2021

(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: Hazel Green, AL: Ground Based Locations, within 5 km, centered around NL 34-57-13; WL 86-32-10
- (2) MOBILE: Hazel Green, AL: Airborne UAV operations 152.4m AGL, within 5 km, centered around NL 34-57-13; WL 86-32-10
- (3) MOBILE: Tanner, AL: Ground Based Locations, within 5 km, centered around NL 34-44-00; WL 86-54-27
- (4) MOBILE: Tanner, AL: Airborne UAV operations 152.4m AGL, within 5 km, centered around NL 34-44-00; WL 86-54-27
- (5) MOBILE: Ground Based Locations within 4.2 km of center, within 4.2 km, centered around NL 34-35-39; WL 86-52-30
- (6) MOBILE: Airborne UAV operations 4.2km of center 152 AGL, within 4.2 km, centered around NL 34-35-39; WL 86-52-30
- (7) MOBILE: Ground Based Operations-4.2km center, within 4.2 km, centered around NL 34-43-31; WL 86-52-50
- (8) MOBILE: Airborne UAV operations 4.2 km center, 152m AGL, within 4.2 km, centered around NL 34-43-31; WL 86-52-50

Frequency Information

MOBILE: Hazel Green, AL: Ground Based Locations, within 5 km, centered around NL 34-57-13; WL 86-32-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	4M68G7W	1.5 W (ERP)	0.00012 %

This authorization effective May 01, 2021 and
will expire 3:00 A.M. EST May 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Hazel Green, AL: Ground Based Locations, within 5 km, centered around NL 34-57-13; WL 86-32-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	1M56G7W	1.5 W (ERP)	0.00012 %
2366 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2389 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2390 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %

MOBILE: Hazel Green, AL: Airborne UAV operations 152.4m AGL, within 5 km, centered around NL 34-57-13; WL 86-32-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2366 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2389 MHz	MO	4M68G7W 1M56G7W	1 W (ERP)	0.00012 %
2390 MHz	MO	4M68G7W	1.5 W (ERP)	0.00012 %

Frequency Information

MOBILE: Hazel Green, AL: Airborne UAV operations 152.4m AGL, within 5 km, centered around NL 34-57-13; WL 86-32-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2390 MHz	MO	1M56G7W	1.5 W (ERP)	0.00012 %

MOBILE: Tanner, AL: Ground Based Locations, within 5 km, centered around NL 34-44-00; WL 86-54-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2366 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2389 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2390 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %

MOBILE: Tanner, AL: Airborne UAV operations 152.4m AGL, within 5 km, centered around NL 34-44-00; WL 86-54-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %

Frequency Information

MOBILE: Tanner, AL: Airborne UAV operations 152.4m AGL, within 5 km, centered around NL 34-44-00; WL 86-54-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2366 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2389 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2390 MHz	MO	4M68G7W 1M56G7W	1.5 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 4.2 km of center, within 4.2 km, centered around NL 34-35-39; WL 86-52-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2366 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2389 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2390 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations 4.2km of center 152 AGL, within 4.2 km, centered around NL 34-35-39; WL 86-52-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2366 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2389 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2390 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %

MOBILE: Ground Based Operations-4.2km center, within 4.2 km, centered around NL 34-43-31; WL 86-52-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2366 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2389 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Operations-4.2km center, within 4.2 km, centered around NL 34-43-31; WL 86-52-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2390 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 4.2 km center, 152m AGL, within 4.2 km, centered around NL 34-43-31; WL 86-52-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	1M56G7W 4M68G7W	1.5 W (ERP)	0.00012 %
2366 MHz	MO	1M56G7 4M68G7W	1.5 W (ERP)	0.00012 %
2389 MHz	MO	1M56G7W 1M56G7W	1.5 W (ERP)	0.00012 %
2390 MHz	MO	1M56G7 4M68G7W	1.5 W (ERP)	0.00012 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the HQ USAF Frequency Coordinator, Alexandria, VA., 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 HQ USAF Frequency Coordinator, Alexandria, VA., as necessary to ensure compatibility with existing uses.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (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.