

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WM2XCV

(Call Sign)

0762-EX-CN-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(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Ground based locations within 15km of Center, Truth or Consequences, NM, within 15 km, centered around NL 32-56-24; WL 106-55-11
- (2) MOBILE: Airborne UAS Operations, 15km center 121.9m AGL, Truth or Consequences, NM, within 15 km, centered around NL 32-56-24; WL 106-55-11

Frequency Information

MOBILE: Ground based locations within 15km of Center, Truth or Consequences, NM, within 15 km, centered around NL 32-56-24; WL 106-55-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360 MHz	MO	4M68G7W	17.4455 W (ERP)	0.0005 %
2360 MHz	MO	4M70G7W	17.4455 W (ERP)	0.00012 %
2370 MHz	MO	4M68G7W	17.4455 W (ERP)	0.0005 %

This authorization effective October 29, 2021 and
will expire 3:00 A.M. EST November 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2370 MHz	MO	4M70G7W	17.4455 W (ERP)	0.00012 %
2380 MHz	MO	4M68G7W	17.4455 W (ERP)	0.0005 %
2380 MHz	MO	4M70G7W	17.4455 W (ERP)	0.00012 %
2390 MHz	MO	4M68G7W	17.4455 W (ERP)	0.0005 %
2390 MHz	MO	4M70G7W	17.4455 W (ERP)	0.00012 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360 MHz	MO	1M56G7W	4.831 W (ERP)	0.0005 %
2360 MHz	MO	1M60G7W	4.83199 W (ERP)	0.00012 %
2370 MHz	MO	1M56G7W	4.83199 W (ERP)	0.0005 %
2370 MHz	MO	1M60G7W	4.83199 W (ERP)	0.00012 %

Frequency Information

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2390 MHz	MO	1M56G7W	4.831 W (ERP)	0.0005 %
2390 MHz	MO	1M60G7W	4.83199 W (ERP)	0.00012 %

Special Conditions:

- (1) In lieu of frequency tolerance, 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) During transmission, aircraft shall not exceed the altitude of 400 ft (121.9 m) AGL.
- (4) Use of these frequencies or bands under the authority of this assign is subject to further coordination with the AFC, WSMR, New Mexico, as necessary to ensure compatibility with the existing uses.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DoD, Contract Number W911QY-18-D-0192. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) Operations must be coordinated with the Spaceport America, Director of Aerospace Operations, who, in turn, will coordinate operations with WSMR, through the WSMR liaison to the Spaceport.
- (7) Pre-scheduling via Spaceport America with DoD WSMR Spectrum Management is required prior to operations. Operations at 2360 MHz on NIB to AT&T WCS operations at 2345-2360 MHz.
- (8) Operations are on a non-interference basis to Flight Test telemetry and Air Force Spectrum Dependent System.
- (9) Stop Buzzer: Bart Decker at 805 391-1335 and Decker@AVINC.com