

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WJ2XUP

(Call Sign)

0677-EX-CN-2018

(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 10 km of center, within 10 km, centered around NL 35-03-20; WL 118-01-46
- (2) MOBILE: Airborne UAV operations 10km of center 915m AGL, within 10 km, centered around NL 35-03-20; WL 118-01-46
- (3) MOBILE: Ground Based Locations within 10 km of center, within 10 km, centered around NL 34-50-03; WL 118-04-19
- (4) MOBILE: Airborne UAV operations 10km center, 915m AGL, within 10 km, centered around NL 34-50-03; WL 118-04-19
- (5) MOBILE: Ground Based Locations within 12km of center, within 12 km, centered around NL 20-46-43; WL 156-56-21
- (6) MOBILE: Airborne UAV operations 12km of center 304m AGL, within 12 km, centered around NL 20-46-43; WL 156-56-21

Frequency Information

MOBILE: Ground Based Locations within 10 km of center, within 10 km, centered around NL 35-03-20; WL 118-01-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
454.7-454.975 MHz	MO	25K0F1B	2 W (ERP)	0.0005 %

This authorization effective December 12, 2018 and
will expire 3:00 A.M. EST December 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Special Conditions:

- (1) This frequency assignment in the band 5091-5101 MHz was coordinated prior to authorization with the Area Frequency Coordinator (AFC), who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of the frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing users.
- (2) Prior to commencing any operations, the applicant must obtain consent from the following within 78 miles of the contours of the testing area:
Paging Service licensees in 454 MHz/459 MHz band frequencies.
General Aviation Air-Ground Service in 454 MHz/459 MHz band frequencies.

Special Conditions:

- (3) Applicant should be aware that the 5040-5050 MHz and 5091-5101 MHz bands are allocated to federal services, and applicant should have no expectation of automatic approval in those bands in future submissions.
- (4) Aircraft operations are limited to U.S.-registered aircraft, and the authorized station must not be used for air traffic control communications.
- (5) The stop buzzer contact for this project is John Logan.
Phone Number: 2027875621
E-Mail Address: johnelogan@jelogan.com
- (6) The bands 5040-5050 MHz and 5091-5101 MHz in East Kern, CA and Lanai, HI were removed from the application due to FAA objections and require further coordination with the FAA to address their concerns.