

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WK2XFQ

(Call Sign)

0345-EX-CN-2019

(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: Airborne UAV operations 5km of center 2743mAGL, within 5 km, centered around NL 35-03-20; WL 118-01-46
- (2) MOBILE: Airborne UAV operations 5 km of center 2743m AGL, within 5 km, centered around NL 34-50-03; WL 118-04-19
- (3) MOBILE: Airborne UAV operations 6km of center, 2743m AGL, within 6 km, centered around NL 20-46-43; WL 156-56-21
- (4) MOBILE: laboratory tests 1 km radius, within 1 km, centered around NL 34-16-58; WL 118-46-45
- (5) MOBILE: laboratory tests 1 km radius, within 1 km, centered around NL 34-17-13; WL 118-52-09

Frequency Information

MOBILE: Airborne UAV operations 5km of center 2743mAGL, within 5 km, centered around NL 35-03-20; WL 118-01-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5140-5150 MHz	MO	3M90G1D	2 W (ERP)	0.002 %

This authorization effective June 24, 2019 and
will expire 3:00 A.M. EST July 01, 2020

**FEDERAL
COMMUNICATIONS
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Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (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) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) STOP BUZZER POC IS BART DECKER
Phone: 805 391-1335 Email: Decker@AVINC.com

Special Conditions:

- (5) THIS IS FOR A SHORT-TERM, PROOF OF CONCEPT OPERATIONS ONLY FOR FLIGHT TEST TELEMETRY. OPERATION SHALL BE LIMITED TO 5140-5150 MHZ AND 9000 FEET MAXIMUM ALTITUDE FOR A ONE WAY, AIR-TO-GROUND LINK. IT SHALL NOT BE USED FOR OPERATIONAL PURPOSES OR COMMERCIAL APPLICATIONS. THE FAA CONSIDERS THIS PROPOSAL TO BE A TEMPORARY WORKAROUND SINCE THE POWER LEVELS DO NOT MEET RESOLUTION 418, AND ANY LONG-TERM RENEWALS ARE EXPECTED TO MEET THE REQUIREMENTS. FAILURE TO MEET RESOLUTION 418 WILL RESULT IN NONCONCURRENCE OF FUTURE RENEWALS. AMT OPERATIONS ARE NON-INTERFERENCE BASIS TO AERONAUTICAL FIXED AND SATELLITE OPERATIONS.
- (6) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (7) Operation at Lanai, HI is prohibited.