

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

EXPERIMENTAL

(Nature of Service)

WK2XXW

(Call Sign)

XT MO

(Class of Station)

0240-EX-CN-2020

(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 100 km of center, within 100 km, centered around NL 32-59-31; WL 106-58-17
- (2) MOBILE: Airborne UAV operations 25.9km AGL, within 100 km, centered around NL 32-59-31; WL 106-58-17
- (3) MOBILE: Ground Based Locations within 100 km of center, within 100 km, centered around NL 32-59-31; WL 106-58-17
- (4) MOBILE: Airborne UAV operations 25.9km AGL, within 100 km, centered around NL 32-59-31; WL 106-58-17

Frequency Information

MOBILE: Ground Based Locations within 100 km of center, within 100 km, centered around NL 32-59-31; WL 106-58-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
454.675-454.975 MHz	MO	25K0F1B	5 W (ERP)	0.0005 %

This authorization effective May 29, 2020 and
will expire 3:00 A.M. EST June 01, 2021

**FEDERAL
COMMUNICATIONS
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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5040.8825 MHz	MO	85K0G2D	5 W (ERP)	0.0005 %

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Special Conditions:

- (1) Subject to coordination with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U. S. Territory within a 150 mile radius of WSMR plus the area of Utah and Colorado that lies South of 41 degrees North and between 108 degrees and 111 degrees West. Phone: 505-678-5417 or 3702.
- (2) ONE RECORD EACH FOR GROUND AND AIRBORNE STATIONS FOR SINGLE FREQUENCY DUPLEX OPERATION. FREQUENCY LIMITED TO 85 KHZ PER RTCA PHASE ONE UAS C2 CHANNELIZATION. FREQUENCY SELECTION IS LIMITED TO THIS LOCATION AND NOT TO BE CONSTRUED FOR EITHER NATIONWIDE USAGE OR POSSESSION BY THE PROPONENT. FAA CONCURRENCE IS BASED UPON THE UNDERSTANDING THAT THE RADIO IS A PROTOTYPE AND NOT THE FINAL APPROVED VERSION. DUE TO MILITARY OPERATIONS IN THE AREA WITHIN THE UAS C2 FREQUENCY BAND, DECONFLICTION WITH THE WSMR AREA FREQUENCY COORDINATOR APPROVAL IS REQUIRED. NETC-EST-WS CONTACT INFO: (505) 678-5417.

Special Conditions:

- (3) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 412 miles of the contours of the testing area:
 - > Paging Service licensees in 454 MHz/459 MHz
 - > General Aviation Air-Ground Service in 454 MHz/459 MHz

- (4) OPERATIONS MUST BE COORDINATED WITH THE SPACEPORT AMERICA, DIRECTOR OF AEROSPACE OPERATIONS, WHO, IN TURN, WILL COORDINATE WITH WSMR, THROUGH THE WSMR LIASON TO THE SPACEPORT.