

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WS9XMX

(Call Sign)

XT MO

(Class of Station)

1266-EX-ST-2021

(File Number)

NAME AeroVironment, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The communications module is used to send ground based command and control (C2) data to and from the SUAS and to transmit video and telemetry to the ground control station. The

Station Locations

- (1) MOBILE: Wikieup, AZ Ground Based Locations with 3km center, within 3 km, centered around NL 34-52-13; WL 113-35-10
- (2) MOBILE: Wikieup, AZ Airborne UAS Operations 3km center 121.9m AGL, within 3 km, centered around NL 34-52-13; WL 113-35-10

Frequency Information

MOBILE: Wikieup, AZ Ground Based Locations with 3km center, within 3 km, centered around NL 34-52-13; WL 113-35-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	4M68G7W	9.687 W (ERP)	0.00012 %
2366 MHz	MO	4M68G7W	9.687 W (ERP)	0.00012 %

This authorization effective September 01, 2021 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Wikieup, AZ Ground Based Locations with 3km center, within 3 km, centered around NL 34-52-13; WL 113-35-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2389 MHz	MO	4M68G7W	9.687 W (ERP)	0.00012 %

MOBILE: Wikieup, AZ Airborne UAS Operations 3km center 121.9m AGL, within 3 km, centered around NL 34-52-13; WL 113-35-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2362 MHz	MO	1M60G7W	3.063 W (ERP)	0.00012 %
2366 MHz	MO	1M60G7W	3.063 W (ERP)	0.00012 %
2389 MHz	MO	1M60G7W	3.063 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 Area Frequency Coordinator, Ft. Huachuca, AZ, 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 AFC, Ft. Huachuca, as necessary to ensure compatibility with existing uses.
- (2) Intermittent flight testing of UAS platform and components/payload.
- (3) Data/video downlink and C&C uplink.