

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

EXPERIMENTAL

(Nature of Service)

WP9XEY

(Call Sign)

XT MO

(Class of Station)

1620-EX-ST-2019

(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.

Station Locations

- (1) MOBILE: Ground based locations within 8km of center, within 8 km, centered around NL 34-57-13; WL 86-32-10
- (2) MOBILE: Airborne UAV operations 8km of center 121.9 m AGL, within 8 km, centered around NL 34-57-13; WL 86-32-10
- (3) MOBILE: Ground Based Locations within 8 km of center, within 8 km, centered around NL 34-44-00; WL 86-54-27
- (4) MOBILE: Airborne UAV operations 8km of center 121.9m AGL, within 8 km, centered around NL 34-44-00; WL 86-54-27

Frequency Information

MOBILE: Ground based locations within 8km of center, within 8 km, centered around NL 34-57-13; WL 86-32-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1840-1845 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

This authorization effective October 01, 2019 and
will expire 3:00 A.M. EST March 26, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne UAV operations 8km of center 121.9 m AGL, within 8 km, centered around NL 34-57-13; WL 86-32-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1840-1845 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 8 km of center, within 8 km, centered around NL 34-44-00; WL 86-54-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1840-1845 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 8km of center 121.9m AGL, within 8 km, centered around NL 34-44-00; WL 86-54-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1840-1845 MHz	MO	1M56G7W	10 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.