

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG2XVN

(Call Sign)

0531-EX-PL-2013

(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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Ground Based Locations within 8 Km of Center, within 8 km, centered around NL 34-15-46; WL 118-51-05
- (2) MOBILE: Airborne UAV operations, 5Km of center, 152m AGL, within 5 km, centered around NL 34-15-46; WL 118-51-05
- (3) MOBILE: Ground Base Locations within 10 Km of center, within 10 km, centered around NL 34-27-04; WL 118-07-43
- (4) MOBILE: Airborne UAV operations 10Km of center, 1524m AGL, within 10 km, centered around NL 34-27-04; WL 118-07-43
- (5) MOBILE: Ground base locations within 30 Km of Center, within 30 km, centered around NL 34-54-29; WL 117-53-07
- (6) MOBILE: Airborne UAV operations, 30Km of center, 1524m AGL, within 30 km, centered around NL 34-54-29; WL 117-53-07
- (7) MOBILE: Ground Based Locations within 5 Km of Center, within 5 km, centered around NL 34-07-09; WL 119-07-10
- (8) MOBILE: Airborne UAV operations, 5Km of center, 1524m AGL, within 5 km, centered around NL 34-07-09; WL 119-07-10
- (9) MOBILE: Ground base locations within 30 Km of Center, within 30 km, centered around NL 40-11-24; WL 112-48-44
- (10) MOBILE: Airborne UAV operations, 30 Km of center, 1524 AGL, within 30 km, centered around NL 40-11-24; WL 112-48-44

This authorization effective November 22, 2013 and
will expire 3:00 A.M. EST December 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Ground Based Locations within 8 Km of Center, within 8 km, centered around NL 34-15-46; WL 118-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, 5Km of center, 152m AGL, within 5 km, centered around NL 34-15-46; WL 118-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Base Locations within 10 Km of center, within 10 km, centered around NL 34-27-04; WL 118-07-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 10Km of center, 1524m AGL, within 10 km, centered around NL 34-27-04; WL 118-07-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground base locations within 30 Km of Center, within 30 km, centered around NL 34-54-29; WL 117-53-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, 30Km of center,1524m AGL, within 30 km, centered around NL 34-54-29; WL 117-53-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 5 Km of Center, within 5 km, centered around NL 34-07-09; WL 119-07-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, 5Km of center,1524m AGL, within 5 km, centered around NL 34-07-09; WL 119-07-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G3W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground base locations within 30 Km of Center, within 30 km, centered around NL 40-11-24; WL 112-48-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, 30 Km of center, 1524 AGL, within 30 km, centered around NL 40-11-24; WL 112-48-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Special Conditions:

- (1) 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.