

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

EXPERIMENTAL

(Nature of Service)

WI2XHM

(Call Sign)

XT MO

(Class of Station)

0043-EX-CM-2016

(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 12km of center, within 12 km, centered around NL 34-19-23; WL 118-51-35
- (2) MOBILE: Airborne UAV operations 12 km of center 152m AG, within 12 km, centered around NL 34-19-23; WL 118-51-35
- (3) MOBILE: Ground Based Locations within 30 km of center, within 30 km, centered around NL 34-52-07; WL 118-04-40
- (4) MOBILE: Airborne UAV operations 30 km of center 1524 m AGL, within 30 km, centered around NL 34-52-07; WL 118-04-40
- (5) MOBILE: Ground Based Locations within 44 km of center, within 44 km, centered around NL 40-06-24; WL 113-12-23
- (6) MOBILE: Airborne UAV operations 44km of center 1524m AGL, within 44 km, centered around NL 40-06-24; WL 113-12-23
- (7) MOBILE: Ground Based Locations (2) within 30km of cente, within 30 km, centered around NL 35-08-04; WL 119-03-23
- (8) MOBILE: Airborne UAV operations 30km of center 121.92m AGL, within 30 km, centered around NL 35-08-04; WL 119-03-23

This authorization effective December 07, 2016 and
will expire 3:00 A.M. EST May 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Ground Based Locations within 12km of center, within 12 km, centered around NL 34-19-23; WL 118-51-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030-2035 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %
2065-2070 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %
2096-2101 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 12 km of center 152m AG, within 12 km, centered around NL 34-19-23; WL 118-51-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030-2035 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %
2065-2070 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %
2096-2101 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 30 km of center, within 30 km, centered around NL 34-52-07; WL 118-04-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030-2035 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 30 km of center, within 30 km, centered around NL 34-52-07; WL 118-04-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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2096-2101 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 30 km of center 1524 m AGL, within 30 km, centered around NL 34-52-07; WL 118-04-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030-2035 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %
2065-2070 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %
2096-2101 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 44 km of center, within 44 km, centered around NL 40-06-24; WL 113-12-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030-2035 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %
2065-2070 MHz	MO	4M68G7W 4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 44 km of center, within 44 km, centered around NL 40-06-24; WL 113-12-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2096-2101 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 44km of center 1524m AGL, within 44 km, centered around NL 40-06-24; WL 113-12-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030-2035 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %
2065-2070 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %
2096-2101 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations (2) within 30km of center, within 30 km, centered around NL 35-08-04; WL 119-03-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030-2035 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %
2065-2070 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %
2096-2101 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations 30km of center 121.92m AGL, within 30 km, centered around NL 35-08-04; WL 119-03-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2030-2035 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %
2065-2070 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %
2096-2110 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.