

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

EXPERIMENTAL

(Nature of Service)

WL2XBH

(Call Sign)

XC FX MO

(Class of Station)

0152-EX-CM-2020

(File Number)

NAME American Aerospace Advisors, 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(c) of the Commission's Rules

Station Locations

- (1) PENDLETON (UMATILLA), OR - NL 45-41-38; WL 118-49-54
- (2) MOBILE: PUR - Pendleton UAS Range see attached, within 75 km, centered around NL 45-41-34; WL 118-50-34
- (3) MOBILE: PUR - Pendleton UAS Range see attached, within 75 km, centered around NL 45-41-41; WL 118-50-34

Frequency Information

PENDLETON (UMATILLA), OR - NL 45-41-38; WL 118-49-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2390 MHz	FX	7M50G1D	1259 W (ERP)	0.005 %
5350-5470 MHz	FX	2M98G1W	6310 W (ERP)	0.005 %

This authorization effective August 10, 2020 and
will expire 3:00 A.M. EST July 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: PUR - Pendleton UAS Range see attached, within 75 km, centered around NL 45-41-34; WL 118-50-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1660.5 MHz	MO	9M58G1D	31.62 W (ERP)	0.005 %

MOBILE: PUR - Pendleton UAS Range see attached, within 75 km, centered around NL 45-41-41; WL 118-50-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5350-5470 MHz	MO	8M00G1D	1.217 W (ERP)	0.005 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with AFMO CONUS, Ft. Sam Houston, TX, 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 AFMO CONUS, Ft. Sam Houston, TX, as necessary to ensure compatibility with existing uses.
- (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.
- (3) Prior to commencing any operations in Aeronautical and Fixed frequencies (2360-2395 MHz), the applicant must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NASA Contract number 80AFRC18M0003 P00002. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) DURING TRANSMISSION, AIRCRAFT SHALL NOT EXCEED THE ALTITUDE BEYOND 15,000 FEET AGL
- (6) The stop buzzer: Rose Mooney
Phone Number: 4105260844
E-Mail Address: r.mooney@americanaerospace.com

Special Conditions:

- (7) Prior to commencing any operations in the 1626.5-1660.5 MHz frequency band, the applicant must notify the space station licensees listed below of its test dates and provide a stop buzzer in case of interference:

a) Name: Ligado Networks Subsidiary LLC Phone Number: 703-390-2795
Fax Number: 703-390-2778
E-Mail: maqbool@ligado.com
Attention: Mr. Maqbool Aliani

b) Name: Inmarsat plc Phone Number: 202-696-1524
Fax Number: 202-248-5177
E-Mail: donna.bethea-murphy@inmarsat.
Attention: Ms. Donna Bethea-Murphy
Name: William M. Wiltshire Phone Number: 202-730-1350
Company: Harris, Wiltshire & Grannis LLP Fax Number: 202-730-1301
E-Mail: wwiltshire@hwglaw.com
Attention: Mr. William M. Wiltshire
Relationship: Legal Counsel