

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

EXPERIMENTAL

(Nature of Service)

WM2XAM

(Call Sign)

XC FX MO

(Class of Station)

0695-EX-CN-2021

(File Number)

NAME Virginia Tech MAAP - FAA UAS Test Site

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) Blacksburg (MONTGOMERY), VA - NL 37-12-08; WL 80-24-24; MOBILE: Blacksburg, VA, within 10 km, centered around NL 37-12-08; WL 80-24-24

Frequency Information

Blacksburg (MONTGOMERY), VA - NL 37-12-08; WL 80-24-24; MOBILE: Blacksburg, VA, within 10 km, centered around NL :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24450-24650 MHz	FX	45M0F3N	246 W (ERP)	

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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The stop buzzer contact for this project is (336) 601-1154 (Primary), (540) 552-5646 (Secondary).

This authorization effective October 04, 2021 and
will expire 3:00 A.M. EST October 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by FAA, Contract Number 693KA8-21-T-00020. 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) All operations shall be coordinated with the NASA Langley Research Center (LARC) Spectrum Management Office via Stephen Horan (Stephen.j.horan@nasa.gov), Omar Torres (omar.torres@nasa.gov), or Lee Joyce (lee.joyce@nasa.gov) prior to operation in order to prevent mutual interference from co-located radar operations.