

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

EXPERIMENTAL

(Nature of Service)

WL2XEJ

(Call Sign)

XC FX MO

(Class of Station)

0679-EX-CN-2020

(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(h) of the Commission's Rules

Station Locations

- (1) Blacksburg, VA - NL 37-12-24; WL 80-25-08; MOBILE: Blacksburg, VA, within 7 km, centered around NL 37-12-24; WL 80-25-08

Frequency Information

Blacksburg, VA - NL 37-12-24; WL 80-25-08; MOBILE: Blacksburg, VA, within 7 km, centered around NL 37-12-24; WL 80-25-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9500-9800 MHz	MO	5M00Q3N	501 kW (ERP)	0.1 %

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) This radio system shall be used for research for UAS detection and radiolocation. It shall not be used to provide separation for any aircraft (manned or unmanned), Detect and Avoid (DAA) nor Air Traffic Control functions. To use the 9500-9800 MHz band be used for aviation purposes, changes to the FCC Part 87 rules will be required.

This authorization effective September 10, 2020 and
will expire 3:00 A.M. EST September 01, 2022

**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 DTFAC15A-00006. 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) Stop buzzers: (336) 601-1154 (Primary); 615-400-0064 (Secondary)