

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WJ2XWY

(Call Sign)

0838-EX-CN-2018

(File Number)

NAME DroneShield LLC

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) Vint Hill Farms (FAUQUIER), VA - NL 38-44-51; WL 77-40-35

Frequency Information

Vint Hill Farms (FAUQUIER), VA - NL 38-44-51; WL 77-40-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.3-9.7 GHz	FX	86M0F0N	32 W (ERP)	0.0001 %
24.49 GHz	FX	45M0F0N	328 W (ERP)	0.0008 %
24.55 GHz	FX	45M0F0N	328 W (ERP)	0.0008 %
24.61 GHz	FX	45M0F0N	328 W (ERP)	0.0008 %

This authorization effective April 30, 2019 and
will expire 3:00 A.M. EST May 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) DroneShield LLC is required to coordinate with the affected Fixed Microwave Service licensees prior to operation on 24.49 GHz, 24.55 GHz and 24.61 GHz.
- (4) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) The Stop Buzzer POC for this project is John Franklin
Phone Number: 240-994-4523 Email: john.franklin@dronesield.com
- (7) DroneShield LLC SHOULD BE AWARE THAT NASA EXRAD RADAR IS
LINCENSED ON 9.3-9.7 GHz AND IF ANY INTERFERENCE OCCURS, THE
LICENSEE OF THIS AUTHORIZATION WILL BE SUBJECT TO IMMEDIATE SHUT
DOWN.