

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WL9XGQ

(Call Sign)

XT FX

(Class of Station)

0640-EX-ST-2017

(File Number)

NAME DroneShield LLC

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Testing a low weight, low power prototype radar at its test facility.

Station Locations

(1) Warrenton (FAUQUIER), VA - NL 38-44-51; WL 77-40-36

Frequency Information

Warrenton (FAUQUIER), VA - NL 38-44-51; WL 77-40-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.3-16.5 GHz	FX	200MF0N	6 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) DroneShield LLC needs to provide stop buzzer information.
- (3) DroneShield LLC needs to be aware that 16.3-16.5 GHz is not an appropriate frequency band for a UAS DAA system. The 15.4-15.7 GHz band would be an appropriate alternate frequency band for this function.

This authorization effective June 02, 2017 and
will expire 3:00 A.M. EST September 02, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**

