

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

EXPERIMENTAL

(Nature of Service)

WQ9XGE

(Call Sign)

XT FX

(Class of Station)

0349-EX-ST-2020

(File Number)

NAME Echodyne Corp.

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:

The purpose of the operations is to test the EchoGuard radar.

Station Locations

(1) Fredericksburg, VA - NL 38-29-05; WL 77-36-46

Frequency Information

Fredericksburg, VA - NL 38-29-05; WL 77-36-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24450-24650 MHz	FX	45M0FXN	246 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective March 16, 2020 and
will expire 3:00 A.M. EST May 17, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) The stop buzzer for this project is Mo Swanson
Echodyne Corp.
Phone: (410) 812-6340
Email: mo@echodyne.com
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) The purpose is for demonstration only and is not meant for permanent installation. Maximum number of units will be 1.
- (7) The 24.45-24.65 GHz band is primary allocated for radionavigation purposes such as Detect and Avoid (DAA). Radiolocation operations such as perimeter defense, drone interdiction and counter-UAS are secondary and shall not interference with radionavigation operations.