

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XJI

(Call Sign)

0804-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) Huntsville, AL - NL 34-41-06; WL 86-41-34

Frequency Information

Huntsville, AL - NL 34-41-06; WL 86-41-34

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 June 19, 2020 and
will expire 3:00 A.M. EST October 20, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) The stop buzzer for this project is Mo Hartney at (410) 812-6340, mo@echodyne.com

- (5) The proponent must be aware that the frequency band 24.45-24.65 GHz 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 future radionavigation operations. While the FAA acknowledges the FCC Waiver DA 19-556 allowing Echodyne secondary operations, any modifications of this grant to include radionavigation operations (such as a data feed to FAA for separation of aircraft or air traffic control) with radiolocation operations must be reviewed by FAA on a national level. Also, the requested operation's number of radars (4) and antenna faces (12) exceeds the maximum number recommended per square kilometer.