

NARRATIVE STATEMENT

Pursuant to Section 5.3(j) and Section 5.54 of the Federal Communications Commission's ("FCC") rules, Echodyne Corp. hereby respectfully requests a one year experimental license commencing July 28, 2021.

In support of this request, the following is shown:

A. Purpose of Operation and Need for Experimental License:

The Company seeks to use a GPS repeater to test and validate the performance of a GPS module that is incorporated in a new radar being developed by Echodyne Corp. The GPS repeater will be installed at Echodyne's R&D facility.

B. Location of Proposed Operation:

Echodyne proposes to conduct the tests at its R&D facility at the location described below.

Location	Coordinates (NAD83)	Radius of Operation
Kirkland, WA	47° 42' 32" N 122° 11' 15" W	1 km

C. Technical Specifications:

1. Frequencies Desired

Echodyne requests authorization to operate a GPS repeater at 1.57542 GHz.

2. Effective Radiated Power

The unit operates at a peak effective radiated power of 3.2 pW.

3. Modulation and Emissions

The unit operates using amplitude/phase modulation. The emission designator is 20M0D7D.

4. Antenna Information

No antennas will be mounted in a fashion that will require approval under FAA and FCC rules and regulations.

D. Protection Against Causing Interference:

In the event that Echodyne receives a complaint of harmful interference from the proposed operation, Echodyne will take immediate action to address the interference. The company has designated Ms. Mo Swanson (contact information below) to act as the “stop buzzer” for this purpose.

E. Restrictions on Operation:

Echodyne recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities. Should interference occur, Echodyne will take immediate steps to resolve the interference, including discontinuing operations if necessary.

F. Public Interest:

Grant of an authorization will permit Echodyne to develop innovative radar equipment incorporating GPS information.

G. Contact Information:

For questions, please contact:

Andrea Radosevich, General Counsel
Echodyne Corp.
12112 115th Ave NE
Kirkland, WA 98034
(206) 399-9793
andrea@echodyne.com

In the unlikely event interference concerns should arise during the period of authorization requested by this application, please contact the company’s “Stop Buzzer” identified below:

Jonathan Hull
Echodyne Corp.
(425) 454-3246
jonathan@echodyne.com