

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

EXPERIMENTAL

(Nature of Service)

WM9XUP

(Call Sign)

XT MO

(Class of Station)

0719-EX-ST-2018

(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 MESA-DAA and MESA-SSR radars, including as part of a contract for DARPA.

**Station Locations**

- (1) MOBILE: 3 km radius of coordinates, up to 120m AGL, within 3 km, centered around NL 39-01-48; WL 85-18-52
- (2) MOBILE: 2 km radius of coordinates, within 2 km, centered around NL 33-55-27; WL 117-41-03

**Frequency Information**

MOBILE: 3 km radius of coordinates, up to 120m AGL, within 3 km, centered around NL 39-01-48; WL 85-18-52

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24.45-24.65 GHz | MO            | 190MFXN             | 243 W (ERP)      |                           |

This authorization effective May 15, 2018 and  
will expire 3:00 A.M. EST November 10, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: 2 km radius of coordinates, within 2 km, centered around NL 33-55-27; WL 117-41-03

| Frequency       | Station<br>Class | Emission<br>Designator | Authorized<br>Power | Frequency<br>Tolerance (+/-) |
|-----------------|------------------|------------------------|---------------------|------------------------------|
| 24.45-24.65 GHz | MO               | 190MFXN                | 486 W (ERP)         |                              |

## Special Conditions:

- (1) The radar shall not be used for air traffic control purposes or separation of aircraft.
- (2) The stop buzzer contact for this project is Jeff Finan, Phone: (425) 445-0631  
Email: [jeff@echodyne.com](mailto:jeff@echodyne.com)