

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WI2XKY

(Call Sign)

XT FX MO

(Class of Station)

0016-EX-CM-2016

(File Number)

NAME Echodyne Corp.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) Bellevue, WA - NL 47-37-50; WL 122-11-05; MOBILE: 9 km radius of coordinates, within 9 km
- (2) Boardman, OR - NL 45-47-37; WL 119-37-24; MOBILE: 32 km radius of coordinates, within 32 km
- (3) Hood River, OR - NL 45-42-19; WL 121-31-17; MOBILE: 32 km radius of coordinates, within 32 km
- (4) Playas, NM - NL 31-55-00; WL 108-32-01; MOBILE: 32 km radius of coordinates, within 32 km
- (5) Vaughn, NM - NL 34-36-06; WL 105-12-30; MOBILE: 95 km radius of coordinates, within 32 km
- (6) Port Mansfield, TX - NL 26-33-17; WL 97-25-30; MOBILE: 32 km radius of coordinates, within 32 km
- (7) Wheelock, TX - NL 30-53-48; WL 96-22-28; MOBILE: 32 km radius of coordinates, within 32 km
- (8) Blackstone, VA - NL 37-04-20; WL 77-57-48; MOBILE: 32 km radius of coordinates, within 32 km
- (9) Palo Alto, CA - NL 37-24-30; WL 122-08-50; MOBILE: 1 km radius of coordinates, within 1 km, centered around NL 37-24-30; WL 122-08-50

This authorization effective October 06, 2016 and
will expire 3:00 A.M. EST July 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Bellevue, WA - NL 47-37-50; WL 122-11-05; MOBILE: 9 km radius of coordinates, within 9 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	

Boardman, OR - NL 45-47-37; WL 119-37-24; MOBILE: 32 km radius of coordinates, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	

Hood River, OR - NL 45-42-19; WL 121-31-17; MOBILE: 32 km radius of coordinates, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	

Frequency Information

Playas, NM - NL 31-55-00; WL 108-32-01; MOBILE: 32 km radius of coordinates, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	

Vaughn, NM - NL 34-36-06; WL 105-12-30; MOBILE: 95 km radius of coordinates, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	

Port Mansfield, TX - NL 26-33-17; WL 97-25-30; MOBILE: 32 km radius of coordinates, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	

Frequency Information

Wheelock, TX - NL 30-53-48; WL 96-22-28; MOBILE: 32 km radius of coordinates, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	

Blackstone, VA - NL 37-04-20; WL 77-57-48; MOBILE: 32 km radius of coordinates, within 32 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	

Palo Alto, CA - NL 37-24-30; WL 122-08-50; MOBILE: 1 km radius of coordinates, within 1 km, centered around NL 37-24-30;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	MO	190MF3N	243 W (ERP)	
24.45-24.65 GHz	FX	190MF3N	243 W (ERP)	

Special Conditions:

- (1) Operations at Vaughn and Playas, NM, must be coordinated with the Department of Defense Area Frequency Coordinator - White Sands Missile Range [DoD-AFC (WSMR)], at least 96 hours prior to operations, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil. The user shall provide the dates/times of test, the location of the test, and a copy of the applicable FCC license.