

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

EXPERIMENTAL

(Nature of Service)

WJ9XLZ

(Call Sign)

XT FX MO

(Class of Station)

0242-EX-ST-2016

(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:

Echodyne Corp. requests an STA to operate in the 24.45-24.65 GHz band to conduct proof-of-concept testing of a prototype radar system that is being designed to provide airborne

Station Locations

- (1) Bellevue, WA - NL 47-37-50; WL 122-11-05; MOBILE: Less than 1 km radius of coordinates, within 1 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 95 km

Frequency Information

Bellevue, WA - NL 47-37-50; WL 122-11-05; MOBILE: Less than 1 km radius of coordinates, within 1 km

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

This authorization effective March 22, 2016 and
will expire 3:00 A.M. EST September 23, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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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)	

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)	

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	MO	190MF3N	243 W (ERP)	

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

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.