

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

EXPERIMENTAL

(Nature of Service)

WQ9XXQ

(Call Sign)

XT FX MO

(Class of Station)

1216-EX-ST-2020

(File Number)

NAME Insitu

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 radio frequency equipment listed below will be used to support a C-Band command and control data link.

Station Locations

- (1) Bingen, WA - NL 45-42-23; WL 121-27-23
- (2) Pendleton, OR - NL 45-41-21; WL 118-50-32
- (3) MOBILE: Pendleton, OR. 15,000 Foot Maximum Flight Level, within 100 km, centered around NL 45-41-21; WL 118-50-32

Frequency Information

Bingen, WA - NL 45-42-23; WL 121-27-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5060-5070 MHz	FX	230KF1D	2 W (ERP)	
5060-5070 MHz	FX	230KF1D	13200 W (ERP)	

This authorization effective August 20, 2020 and will expire 3:00 A.M. EST February 16, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Pendleton, OR - NL 45-41-21; WL 118-50-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5060-5070 MHz	FX	230KF1D	13200 W (ERP)	

MOBILE: Pendleton, OR. 15,000 Foot Maximum Flight Level, within 100 km, centered around NL 45-41-21; WL 118-50-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5060-5070 MHz	MO	230KF1D	2 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Testing for 5060-5070 MHz is one time for RF filters. Any renewal will require (1) use of 5030-5040 MHz, (2) use of discrete frequencies instead of entire band or sub-band, and (3) no frequency hopping. Due to possible interference with DOD operations around Olympic Peninsula, airborne radius of operations limited to 55 nautical miles (100 km) around Pendleton UAS test range.
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) Stop Buzzer for this operation is Insitu Operations Action Center at 509-493-4691.