

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

EXPERIMENTAL

(Nature of Service)

WS9XUO

(Call Sign)

XT FX MO

(Class of Station)

1524-EX-ST-2021

(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:

Ground and Airborne Payload Testing. Stop buzzer for this operation is Insitu the Operations Action Center at 509-637-4691.

Station Locations

- (1) Bingen, WA - NL 45-42-24; WL 121-27-30
- (2) MOBILE: Boardman, OR, within 1 km, centered around NL 45-44-54; WL 119-47-38
- (3) MOBILE: Boardman, OR. 6,000 Foot Maximum Flight Level, within 20 km, centered around NL 45-44-54; WL 119-47-38
- (4) MOBILE: Pendleton, OR, within 1 km, centered around NL 45-41-52; WL 118-50-12
- (5) MOBILE: Pendleton, OR. 6,000 Foot Maximum Flight Level, within 20 km, centered around NL 45-41-52; WL 118-50-12

Frequency Information

Bingen, WA - NL 45-42-24; WL 121-27-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	FX	5M00F9W 10M0G7D	2.5 W (ERP)	

This authorization effective October 06, 2021 and
will expire 3:00 A.M. EST April 02, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Bingen, WA - NL 45-42-24; WL 121-27-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710.2-1784.8 MHz	FX	200KGXW	2.5 W (ERP)	
1805-1880 MHz	FX	5M00F9W	25 W (ERP)	
1805-1880 MHz	FX	10M0G7D	4 W (ERP)	
1805.2-1879.8 MHz	FX	200KGXW	25 W (ERP)	
1850-1910 MHz	FX	5M00F9W 10M0G7D	2.5 W (ERP)	
1850.2-1909.8 MHz	FX	200KGXW	2.5 W (ERP)	
1920-1980 MHz	FX	5M00F9W 10M0G7D	2.5 W (ERP)	
1930-1990 MHz	FX	5M00F9W	25 W (ERP)	
1930-1990 MHz	FX	10M0G7D	4 W (ERP)	
1930.2-1989.8 MHz	FX	200KGXW	25 W (ERP)	

Frequency Information

Bingen, WA - NL 45-42-24; WL 121-27-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2170 MHz	FX	5M00F9W	25 W (ERP)	
2110-2170 MHz	FX	10M0G7D	4 W (ERP)	

MOBILE: Boardman, OR, within 1 km, centered around NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	FX	5M00F9W 10M0G7D	2.5 W (ERP)	
1710.2-1784.8 MHz	FX	200KGXW	2.5 W (ERP)	
1850-1910 MHz	FX	5M00F9W 10M0G7D	2.5 W (ERP)	
1850.2-1909.8 MHz	FX	200KGXW	2.5 W (ERP)	
1920-1980 MHz	MO	5M00F9W 10M0G7D	2.5 W (ERP)	

Frequency Information

MOBILE: Boardman, OR. 6,000 Foot Maximum Flight Level, within 20 km, centered around NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1805-1880 MHz	FX	5M00F9W	25 W (ERP)	
1805-1880 MHz	FX	10M0G7D	4 W (ERP)	
1805.2-1879.8 MHz	FX	200KGXW	25 W (ERP)	
1930-1990 MHz	FX	5M00F9W	25 W (ERP)	
1930-1990 MHz	FX	10M0G7D	4 W (ERP)	
1930.2-1989.8 MHz	FX	200KGXW	25 W (ERP)	
2110-2170 MHz	FX	5M00F9W	25 W (ERP)	
2110-2170 MHz	MO	10M0G7D	4 W (ERP)	

MOBILE: Pendleton, OR, within 1 km, centered around NL 45-41-52; WL 118-50-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	FX	5M00F9W	2.5 W (ERP)	

Frequency Information

MOBILE: Pendleton, OR, within 1 km, centered around NL 45-41-52; WL 118-50-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	FX	10M0G7D	2.5 W (ERP)	
1710.2-1784.8 MHz	FX	200KGXW	2.5 W (ERP)	
1850-1910 MHz	FX	5M00F9W 10M0G7D	2.5 W (ERP)	
1850.2-1909.8 MHz	FX	200KGXW	2.5 W (ERP)	
1920-1980 MHz	MO	5M00F9W 10M0G7D	2.5 W (ERP)	

MOBILE: Pendleton, OR. 6,000 Foot Maximum Flight Level, within 20 km, centered around NL 45-41-52; WL 118-50-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1805-1880 MHz	FX	5M00F9W	25 W (ERP)	
1805-1880 MHz	FX	10M0G7D	4 W (ERP)	
1805.2-1879.8 MHz	FX	200KGXW	25 W (ERP)	

Frequency Information

MOBILE: Pendleton, OR. 6,000 Foot Maximum Flight Level, within 20 km, centered around NL 45-41-52; WL 118-50-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX	5M00F9W	25 W (ERP)	
1930-1990 MHz	FX	10M0G7D	4 W (ERP)	
1930.2-1989.8 MHz	FX	200KGXW	25 W (ERP)	
2110-2170 MHz	FX	5M00F9W	25 W (ERP)	
2110-2170 MHz	MO	10M0G7D	4 W (ERP)	

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Insitu must notch out 1781 MHz (+/- 2 MHz) and 1831 (+/- 2 MHz).
- (5) Insitu must obtain consent from the following within 50 miles of the contours of the testing area:
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Insitu the Operations Action Center at (509) 637-4691.
- (7) 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.