

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

EXPERIMENTAL

(Nature of Service)

WM9XPZ

(Call Sign)

XT FX MO

(Class of Station)

0528-EX-ST-2018

(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 equipment will be installed in a Ground Control Station (GCS), and provide a command and control link from the GCS to the aircraft. Initial testing will be at Bingen, WA on the ground,

Station Locations

- (1) Bingen (KLICKITAT), WA - NL 45-42-23; WL 121-27-23
- (2) Boardman (MORROW), OR - NL 45-44-54; WL 119-47-38
- (3) MOBILE: Boardman, OR. Mobile up to 5000 Feet Flight Level, within 50 km, centered around NL 45-44-54; WL 119-47-38
- (4) Wasco Butte, OR - NL 45-36-26; WL 121-19-53
- (5) MOBILE: Arlington, OR. 78 deg heading from Butte 20K Altitude, within 100 km, centered around NL 45-46-58; WL 120-05-20
- (6) Bald Peter, OR - NL 44-39-22; WL 121-41-33
- (7) Long Branch, OR - NL 45-34-31; WL 121-46-12
- (8) Grey Butte, OR - NL 44-25-04; WL 121-05-50

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2306-2314 MHz	FX	230KF1D	3.2 W (ERP)	

This authorization effective June 01, 2018 and
will expire 3:00 A.M. EST December 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2306-2314 MHz	FX	230KF1D	6.6 kW (ERP)	

Boardman (MORROW), OR - NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2306-2314 MHz	FX	230KF1D	6.6 kW (ERP)	

MOBILE: Boardman, OR. Mobile up to 5000 Feet Flight Level, within 50 km, centered around NL 45-44-54; WL 119-47-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2306-2314 MHz	MO	230KF1D	3.2 W (ERP)	

Wasco Butte, OR - NL 45-36-26; WL 121-19-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2306-2314 MHz	FX	230KF1D	6.6 kW (ERP)	

Frequency Information

MOBILE: Arlington, OR. 78 deg heading from Butte 20K Altitude, within 100 km, centered around NL 45-46-58; WL 120-05-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2310-2314 MHz	MO	230KF1D	3.2 W (ERP)	

Bald Peter, OR - NL 44-39-22; WL 121-41-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2306-2314 MHz	FX	230KF1D	6.6 kW (ERP)	

Long Branch, OR - NL 45-34-31; WL 121-46-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2306-2314 MHz	FX	230KF1D	6.6 kW (ERP)	

Grey Butte, OR - NL 44-25-04; WL 121-05-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2306-2314 MHz	FX	230KF1D	6.6 kW (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) Stop buzzer for this operation is Insitu the Operations Action Center at 509-637-4691.

Special Conditions:

- (4) Insitu should also be aware that the 2305 – 2310 MHz band does not allow for aeronautical radio usage and future support will be predicated upon the final frequency allocation and Federal or Non-Federal usage.
- (5) 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.
- (6) NTIA will concur with 2306-2314 MHz for proof-of-concept purposes only. Any operations outside of restricted/warning area will be limited to 400 feet AGL.
- (7) Insitu should have no expectations of automatic approval in this band in future submissions.
- (8) Operation must be consented by the WCS licensee (AT&T).