

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

EXPERIMENTAL

(Nature of Service)

WI9XOE

(Call Sign)

XT MO

(Class of Station)

0437-EX-ST-2015

(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:

To provide command and control and video for UAS operations.

Station Locations

- (1) MOBILE: Beaufort Sea Waters off Alaska coast, within 115 km, centered around NL 71-30-00; WL 150-00-00

Frequency Information

MOBILE: Beaufort Sea Waters off Alaska coast, within 115 km, centered around NL 71-30-00; WL 150-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	MO	230KF1D	1 W (ERP)	
1370-1390 MHz	MO	230KF1D	608 W (ERP)	
2411 MHz	MO	18M0F9W	2 W (ERP)	

This authorization effective May 20, 2015 and
will expire 3:00 A.M. EST October 31, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Beaufort Sea Waters off Alaska coast, within 115 km, centered around NL 71-30-00; WL 150-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2411 MHz	MO	16M0F3F	2 W (ERP)	
2434 MHz	MO	18M0F9W 16M0F3F	2 W (ERP)	
2453 MHz	MO	18M0F9W 16M0F3F	2 W (ERP)	
2463 MHz	MO	18M0F9W 16M0F3F	2 W (ERP)	
2473 MHz	MO	18M0F9W 16M0F3F	2 W (ERP)	
2486 MHz	MO	18M0F9W 16M0F3F	2 W (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Stop buzzer is operations center at (866) 637-4691.
- (5) Insitu must notify DOD radar operators in the ARCO area thru FAA Alaska Spectrum Office, Mr. Jack Phillips, 907-271-2357 and/or Mr. Byron Ipock, 907-271-5962 prior to flight operations.

Special Conditions:

- (6) Both shipboard and UAS transceivers must avoid radio line-of-sight operations with Point Barrow, Barter Island, and Olitok, AK. Shipboard transceiver azimuth must be pointed away from those locations based upon DOD determinations.
- (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.