

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WI9XYB

(Call Sign)

0658-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 video and command and control frequencies for UAS operations.

Station Locations

- (1) Taiban, NM - NL 34-29-36; WL 104-00-23
- (2) MOBILE: N34°48'00.00", W106°36'00.00" ; N34°18'00.00", W106°36'00.00" ;
N34°18'0.00", W103°54'0.00" ;
N34°48'0.00", W103°54'0.00"
- (3) Manzano, NM - NL 34-41-17; WL 106-24-35

Frequency Information

Taiban, NM - NL 34-29-36; WL 104-00-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	230KF1D	61 W (ERP)	

This authorization effective September 01, 2015 and
will expire 3:00 A.M. EST February 29, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: N34°48'00.00", W106°36'00.00" ; N34°18'00.00", W106°36'00.00" ; N34°18'0.00", W103°54'0.00" ;
N34°48'0.00", W103°54'0.00"

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
896.8875 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
896.9375 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
896.9875 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
897.8875 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
897.9375 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
897.9875 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
902-928 MHz	MO	230KF1D	1 W (ERP)	
935.8875 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
935.9375 MHz	MO	13K6F1D	5 W (ERP)	

Frequency Information

MOBILE: N34°48'00.00", W106°36'00.00" ; N34°18'00.00", W106°36'00.00" ; N34°18'0.00", W103°54'0.00" ;
N34°48'0.00", W103°54'0.00"

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
935.9375 MHz	MO	13K6F2D	5 W (ERP)	
935.9875 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
936.8875 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
936.9375 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
936.9875 MHz	MO	13K6F1D 13K6F2D	5 W (ERP)	
2411 MHz	MO	18M0F9W 16M0F3F	2 W (ERP)	
2434 MHz	MO	18M0F9W 16M0F3F	2 W (ERP)	
2453 MHz	MO	18M0F9W 16M0F3F	2 W (ERP)	
2463 MHz	MO	18M0F9W	2 W (ERP)	

Frequency Information

MOBILE: N34°48'00.00", W106°36'00.00" ; N34°18'00.00", W106°36'00.00" ; N34°18'0.00", W103°54'0.00" ;
N34°48'0.00", W103°54'0.00"

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

Manzano, NM - NL 34-41-17; WL 106-24-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	230KF1D	61 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) Operation is subject to prior coordination with the local SBE frequency coordinator and the Fixed Microwave Service licensees on 2453 MHz, 2463 MHz, 2473 MHz and 2486 MHz.
- (4) Insitu must be made aware that use of Part 15/unlicensed bands for command/control links above 400 feet cannot be supported due to risk of aviation safety.

Special Conditions:

- (5) Use of the following frequencies will require coordination with the Columbia Scientific Balloon Facility at Fort Sumner, N.M.; P.O.C. is Mr. Robert Salter (Robert.Salter@csbf.nasa.gov) (903) 729-0271.
- a. 2434 MHz
 - b. 2453 MHz
 - c. 2463 MHz
 - d. 2473 MHz
 - e. 2486 MHz