

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WE2XEV

(Call Sign)

XC FX MO

(Class of Station)

0196-EX-PL-2007

(File Number)

NAME OSU-University Multispectral Laboratories, LLC

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

- (1) Chilocco (KAY), OK - NL 36-56-14; WL 97-04-17; MOBILE: Chilocco (KAY), OK, within 2 km, centered around NL 36-56-14; WL 97-04-17
- (2) Flying H (OTERO), NM - NL 33-00-08; WL 105-02-54; MOBILE: Flying H (OTERO), NM, within 5 km, centered around NL 33-00-08; WL 105-02-54

Frequency Information

Chilocco (KAY), OK - NL 36-56-14; WL 97-04-17; MOBILE: Chilocco (KAY), OK, within 2 km, centered around NL 36-56-14; 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.01-4.02 MHz	FX	2K80J3E 2K80J3E 2K80R3E 2K80R3E 2K80H3E	6.6069 kW (ERP)	
4.08-4.09 MHz	FX	2K80J3E 2K80J3E 2K80R3E 2K80R3E	6.6069 kW (ERP)	

This authorization effective July 24, 2007 and
will expire 3:00 A.M. EST August 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Chilocco (KAY), OK - NL 36-56-14; WL 97-04-17; MOBILE: Chilocco (KAY), OK, within 2 km, centered around NL 36-56-14; 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.08-4.09 MHz	FX	2K80H3E	6.6069 kW (ERP)	
12.11-12.12 MHz	FX	2K80J3E 2K80J3E 2K80R3E 2K80R3E 2K80H3E	6.6069 kW (ERP)	
12.18-12.19 MHz	FX	2K80J3E 2K80J3E 2K80R3E 2K80R3E 2K80H3E	6.6069 kW (ERP)	
12.41-12.42 MHz	FX	2K80J3E 2K80H3E 2K80R3E 2K80R3E 2K80J3E	6.6069 kW (ERP)	
12.48-12.49 MHz	FX	2K80H3E 2K80R3E 2K80R3E 2K80J3E 2K80J3E	6.6069 kW (ERP)	
22.01-22.02 MHz	FX	2K80J3E 2K80J3E 2K80R3E	6.6069 kW (ERP)	

Frequency Information

Chilocco (KAY), OK - NL 36-56-14; WL 97-04-17; MOBILE: Chilocco (KAY), OK, within 2 km, centered around NL 36-56-14; 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
22.01-22.02 MHz	FX	2K80R3E 2K80H3E	6.6069 kW (ERP)	
22.08-22.09 MHz	FX	2K80J3E 2K80J3E 2K80R3E 2K80R3E 2K80H3E	6.6069 kW (ERP)	
26.11-26.12 MHz	FX	2K80J3E 2K80J3E 2K80R3E 2K80R3E 2K80H3E	6.6069 kW (ERP)	
26.18-26.19 MHz	FX	2K80J3E 2K80J3E 2K80R3E 2K80R3E 2K80H3E	6.6069 kW (ERP)	

Flying H (OTERO), NM - NL 33-00-08; WL 105-02-54; MOBILE: Flying H (OTERO), NM, within 5 km, centered around NL 33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.01-4.02 MHz	FX	2K80H3E 2K80J3E 2K80J3E 2K80R3E	6.6069 kW (ERP)	

Frequency Information

Flying H (OTERO), NM - NL 33-00-08; WL 105-02-54; MOBILE: Flying H (OTERO), NM, within 5 km, centered around NL 33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.01-4.02 MHz	FX	2K80R3E	6.6069 kW (ERP)	
4.08-4.09 MHz	FX	2K80H3E 2K80R3E 2K80R3E 2K80J3E 2K80J3E	6.6069 kW (ERP)	
12.11-12.12 MHz	FX	2K80H3E 2K80R3E 2K80R3E 2K80J3E 2K80J3E	6.6069 kW (ERP)	
12.18-12.19 MHz	FX	2K80H3E 2K80R3E 2K80R3E 2K80J3E 2K80J3E	6.6069 kW (ERP)	
12.41-12.42 MHz	FX	2K80H3E 2K80R3E 2K80R3E 2K80J3E 2K80J3E	6.6069 kW (ERP)	
12.48-12.49 MHz	FX	2K80J3E 2K80J3E 2K80R3E	6.6069 kW (ERP)	

Frequency Information

Flying H (OTERO), NM - NL 33-00-08; WL 105-02-54; MOBILE: Flying H (OTERO), NM, within 5 km, centered around NL 33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.48-12.49 MHz	FX	2K80R3E 2K80H3E	6.6069 kW (ERP)	
22.01-22.02 MHz	FX	2K80H3E 2K80R3E 2K80R3E 2K80J3E 2K80J3E	6.6069 kW (ERP)	
22.08-22.09 MHz	FX	2K80R3E 2K80J3E 2K80J3E 2K80H3E 2K80R3E	6.6069 kW (ERP)	
26.11-26.12 MHz	FX	2K80H3E 2K80R3E 2K80R3E 2K80J3E 2K80J3E	6.6069 kW (ERP)	
26.18-26.19 MHz	FX	2K80H3E 2K80R3E 2K80R3E 2K80J3E 2K80J3E	6.6069 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.

Special Conditions:

- (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 Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Navy contract N65236-07-D-7878. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.