

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

EXPERIMENTAL

(Nature of Service)

WE2XGJ

(Call Sign)

XC FX MO

(Class of Station)

0042-EX-ML-2008

(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) MOBILE: Within the Chilocco Indian School property, Chilocco (KAY), OK, within 3 km, centered around NL 36-56-14; WL 97-04-17
- (2) Artesia (EDDY), NM - NL 32-56-47; WL 104-40-20; MOBILE: Artesia (EDDY), NM, within 10 km, centered around NL 32-56-47; WL 104-40-20
- (3) Chilocco (KAY), OK - NL 36-56-14; WL 97-04-17; MOBILE: Within the Chilocco Indian School property, Chilocco (KAY), OK, within 3 km, centered around NL 36-56-14; WL 97-04-17
- (4) Artesia (EDDY), NM - NL 32-56-47; WL 104-40-20; MOBILE: Artesia (EDDY), NM, within 10 km, centered around NL 32-56-47; WL 104-40-20

Frequency Information

MOBILE: Within the Chilocco Indian School property, Chilocco (KAY), OK, within 3 km, centered around NL 36-56-14; WL 97-04-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
55.25 MHz	MO	5M75C3F	1.2589 kW (ERP)	
67.25 MHz	MO	5M75C3F	1.2589 kW (ERP)	

This authorization effective April 14, 2008 and
will expire 3:00 A.M. EST July 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Within the Chilocco Indian School property, Chilocco (KAY), OK, within 3 km, centered around NL 36-56-14; WL 97-04-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
77.25 MHz	MO	5M75C3F	1.2589 kW (ERP)	
175.25 MHz	MO	5M75C3F	1.3366 kW (ERP)	
187.25 MHz	MO	5M75C3F	1.3366 kW (ERP)	
205.25 MHz	MO	5M75C3F	1.3366 kW (ERP)	
211.25 MHz	MO	5M75C3F	1.3366 kW (ERP)	
495.25 MHz	MO	5M75C3F	20.6538 kW (ERP)	
753.25 MHz	MO	5M75C3F	20.6538 kW (ERP)	

Artesia (EDDY), NM - NL 32-56-47; WL 104-40-20; MOBILE: Artesia (EDDY), NM, within 10 km, centered around NL 32-56-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
55.25 MHz	MO	5M75C3F	1.2589 kW (ERP)	
67.25 MHz	MO	5M75C3F	1.2589 kW (ERP)	

Frequency Information

Artesia (EDDY), NM - NL 32-56-47; WL 104-40-20; MOBILE: Artesia (EDDY), NM, within 10 km, centered around NL 32-56-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
77.25 MHz	MO	5M75C3F	1.2589 kW (ERP)	
175.25 MHz	MO	5M75C3F	1.3366 kW (ERP)	
187.25 MHz	MO	5M75C3F	1.3366 kW (ERP)	
199.25 MHz	MO	5M75C3F	1.3366 kW (ERP)	
211.25 MHz	MO	5M75C3F	1.3366 kW (ERP)	

Chilocco (KAY), OK - NL 36-56-14; WL 97-04-17; MOBILE: Within the Chilocco Indian School property, Chilocco (KAY), OK,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
55.25 MHz	MO	5M75C3F	3.801 kW (ERP)	
67.25 MHz	MO	5M75C3F	3.801 kW (ERP)	
77.25 MHz	MO	5M75C3F	6.607 kW (ERP)	

Frequency Information

Artesia (EDDY), NM - NL 32-56-47; WL 104-40-20; MOBILE: Artesia (EDDY), NM, within 10 km, centered around NL 32-56-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
55.25 MHz	MO	5M75C3F	3.801 kW (ERP)	
67.25 MHz	MO	5M75C3F	3.801 kW (ERP)	
77.25 MHz	MO	5M75C3F	6.607 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) 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.
- (5) All testing is limited to the hours of 12 midnight to 6 AM.