

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

EXPERIMENTAL

(Nature of Service)

WH2XGS

(Call Sign)

XR FX MO

(Class of Station)

0384-EX-PL-2014

(File Number)

NAME Montana State University

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(d) of the Commission's Rules

Station Locations

- (1) MOBILE: NONGEOSTATIONARY
- (2) Bozeman (GALLATIN), MT - NL 45-40-01; WL 111-02-46

Frequency Information

MOBILE: NONGEOSTATIONARY

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
437.23 MHz	MO	10K0F1D	1.8 W (ERP)	
437.23 MHz	MO	21K0F1D	1.8 W (ERP)	
437.405 MHz	MO	10K0F1D	1.8 W (ERP)	
437.405 MHz	MO	21K0F1D	1.8 W (ERP)	

This authorization effective September 23, 2014 and
will expire 3:00 A.M. EST October 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Bozeman (GALLATIN), MT - NL 45-40-01; WL 111-02-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
145.86 MHz	FX	15K0F1D	851 W (ERP)	

Special Conditions:

- (1) Following launch of the satellite, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellite (transmissions commenced, etc.), not later than 7 days after commencement or expected commencement of transmissions, and of termination of transmissions, not later than three months after such termination.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) POINT OF COMMUNICATION: FIREBIRD 2.