

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

EXPERIMENTAL

(Nature of Service)

WF2XPA

(Call Sign)

XR FX MO

(Class of Station)

0475-EX-PL-2010

(File Number)

NAME Virginia Tech MPRG

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(g) of the Commission's Rules

Station Locations

- (1) Blacksburg (MONTGOMERY), VA - NL 37-13-54; WL 80-25-25; MOBILE: Blacksburg, VA,, within 10 km, centered around NL 37-13-54; WL 80-25-25

Frequency Information

Blacksburg (MONTGOMERY), VA - NL 37-13-54; WL 80-25-25; MOBILE: Blacksburg, VA,, within 10 km, centered around NL

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 174-216 MHz | MO | 6M00X1X | 4 W (ERP) | |
| 174-216 MHz | MO | 200KF3E | 250 mW (ERP) | |
| 512-608 MHz | MO | 6M00X1X | 4 W (ERP) | |
| 512-608 MHz | MO | 200KF3E | 250 mW (ERP) | |

This authorization effective November 18, 2010 and
will expire 3:00 A.M. EST December 01, 2012

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COMMUNICATIONS
COMMISSION**



Frequency Information

Blacksburg (MONTGOMERY), VA - NL 37-13-54; WL 80-25-25; MOBILE: Blacksburg, VA,, within 10 km, centered around NL

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 614-698 MHz | MO | 6M00X1X | 4 W (ERP) | |
| 614-698 MHz | MO | 200KF3E | 250 mW (ERP) | |

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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](mailto:executivedir@sbe.org); information, www.sbe.org.