

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

EXPERIMENTAL

(Nature of Service)

XR MO

(Class of Station)

WF2XGH

(Call Sign)

0006-EX-RR-2012

(File Number)

NAME Virginia Tech

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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Blacksburg, Virginia, within 0.1 km, centered around NL 37-13-54; WL 80-25-26

Frequency Information

MOBILE: Blacksburg, Virginia, within 0.1 km, centered around NL 37-13-54; WL 80-25-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	N0N 25M0G1N 10K0F1N	1 W (ERP)	
2000-2100 MHz	MO	N0N 10K0F1N	1 W (ERP)	
2050 MHz	MO	100MG1N	1 W (ERP)	

This authorization effective February 01, 2012 and
will expire 3:00 A.M. EST February 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Blacksburg, Virginia, within 0.1 km, centered around NL 37-13-54; WL 80-25-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2483.5 MHz	MO	N0N 80M0G1N 10K0F1N	1 W (ERP)	
5250-5600 MHz	MO	300MG1N	1 W (ERP)	
5650-6000 MHz	MO	300MG1N	1 W (ERP)	

Special Conditions:

- (1) 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.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Licensee is required to prior coordinate operations with existing and future Fixed Microwave licensee(s) in the frequency bands 2000-2100 MHz and 5925-6300 MHz to avoid interference.
- (5) The applicant must adjust the emissions so that they are kept entirely within the confines for the requested bands.
- (6) Operation is subject to prior coordination with Fixed Microwave licensees and consent from Advanced Wireless Service licensees.
- (7) Operation is subject to prior coordination with Fixed Microwave licensees and must stay in band to prevent possible spill over into adjacent bands to protect Fixed Services and Advanced Wireless Service operations.
- (8) The designated point-of-contact to terminate transmissions if interference occurs is Randall Nealy, (540) 231-7280 and (540) 231-2958.