EVERBULARNITAL

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

_	EXPERIMENTAL	_	WF2XRP
	(Nature of Service)		(Call Sign)
_	XT FX MO		0095-EX-RR-2013
	(Class of Station)		(File Number)
NAME	Virgini		

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

Blacksburg (MONTGOMERY), VA - NL 37-13-53; WL 80-25-21; MOBILE: Virginia Tech, Blacksburg, VA, within 0.1 km, centered around NL 37-13-53; WL 80-25-21

Frequency Information

Blacksburg (MONTGOMERY), VA - NL 37-13-53; WL 80-25-21; MOBILE: Virginia Tech, Blacksburg, VA, within 0.1 km, center

Frequency 138-144 MHz	Station Class FX	Emission Designator	Authorized Power 0.4 W (ERP)	Frequency Tolerance (+/-)
		25K0F3E 25K0D1D	` ,	
138-144 MHz	МО	25K0F3E 25K0D1D	0.4 W (ERP)	
150.5-156 MHz	FX	25K0F3E 25K0D1D	0.4 W (ERP)	

**FEDERAL COMMUNICATIONS** COMMISSION



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Blacksburg (MONTGOMERY), VA - NL 37-13-53; WL 80-25-21; MOBILE: Virginia Tech, Blacksburg, VA, within 0.1 km, center

Frequency 150.5-156 MHz	Station Class MO	Emission Designator 25K0F3E 25K0D1D	Authorized Power 0.4 W (ERP)	Frequency Tolerance (+/-)
157.45-161.575 MHz	FX	25K0F3E 25K0D1D	0.4 W (ERP)	
157.45-161.575 MHz	МО	25K0F3E 25K0D1D	0.4 W (ERP)	
162.0375-174 MHz	FX	25K0F3E 25K0D1D	0.4 W (ERP)	
162.0375-174 MHz	МО	25K0F3E 25K0D1D	0.4 W (ERP)	
220-222 MHz	FX	25K0F3E 25K0D1D	0.4 W (ERP)	
220-222 MHz	МО	25K0F3E 25K0D1D	0.4 W (ERP)	
410-420 MHz	FX	25K0F3E 25K0F1D 25K0D1D	0.4 W (ERP)	

Blacksburg (MONTGOMERY), VA - NL 37-13-53; WL 80-25-21; MOBILE: Virginia Tech, Blacksburg, VA, within 0.1 km, center the control of the contr

Frequency 410-420 MHz	Station Class MO	Emission Designator 25K0F3E 25K0F1D 25K0D1D	Authorized Power 0.4 W (ERP)	Frequency Tolerance (+/-)
450-470 MHz	FX	25K0F3E 25K0F1D 25K0D1D	0.4 W (ERP)	
450-470 MHz	МО	25K0F3E 25K0F1D 25K0D1D	0.4 W (ERP)	
470-512 MHz	FX	25K0F3E 25K0F1D 25K0D1D	0.4 W (ERP)	
470-512 MHz	МО	25K0F3E 25K0F1D 25K0D1D	0.4 W (ERP)	
764-862 MHz	FX	25K0F3E 25K0D1D	0.4 W (ERP)	
764-862 MHz	МО	25K0F3E 25K0D1D	0.4 W (ERP)	

Blacksburg (MONTGOMERY), VA - NL 37-13-53; WL 80-25-21; MOBILE: Virginia Tech, Blacksburg, VA, within 0.1 km, center

Frequency 776-787 MHz	Station Class FX	Emission Designator 2M00DXD	Authorized Power 0.4 W (ERP)	Frequency Tolerance (+/-)
776-787 MHz	МО	2M00DXD	0.4 W (ERP)	
788-793 MHz	FX	2M00DXD	0.4 W (ERP)	
788-793 MHz	МО	2M00DXD	0.4 W (ERP)	
824-849 MHz	МО	200KF1D	0.4 W (ERP)	
869-894 MHz	FX	200KF1D	0.4 W (ERP)	
1850-1910 MHz	МО	250KF1D	0.4 W (ERP)	
1930-1990 MHz	FX	250KF1D	0.4 W (ERP)	
3400-3600 MHz	FX	20M0DXD	0.4 W (ERP)	
3400-3600 MHz	МО	20M0DXD	0.4 W (ERP)	

## **Special Conditions:**

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Operation is subject to prior coordination with Fixed Services licensees in the immediate area of the experiment.
- (5) Operation is NOTCH OUT of M162.025, Automatic Identification System (AIS-2), Band 162.0125-162.0375 MHz, 25KHz Channel.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Randall Nealy at (540) 231-7280 or (540) 231-2958.
- (7) The test must be done inside the VA Tech labs and on a non-interference basis.