

# Federal Communications Commission

## FM BROADCAST STATION CONSTRUCTION PERMIT

**Permittee**

VIRGINIA TECH FOUNDATION,  
INC.  
3520 KINGSBURY LANE  
ROANOKE, VA, 24014

**Call Sign**

WVTF

**Facility ID**

70338

<b>File Number</b> 0000162731	<b>This Permit Modifies License File No.</b> BMLED-20020418AAL	
<b>Filing Date</b> 10/04/2021	<b>Grant Date</b> 02/10/2022	<b>Expiration Date</b> 36 months after the grant date

<b>Community of License</b> <b>City:</b> ROANOKE <b>State:</b> VA	<b>Frequency (MHz)</b> 89.1	<b>Station Channel</b> 206	<b>Station Class</b> C
<b>Hours of Operation:</b> Unlimited			
<b>Facility Type:</b> Noncommercial Educational			

<b>Transmitter</b> Certified for Compliance. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	<b>Transmitter Output Power</b> As required to achieve authorized ERP.
<b>Antenna Type</b> Non-Directional	<b>Antenna Coordinates (NAD 83)</b> <b>Latitude</b> 37-11-57.3 N <b>Longitude</b> 80-8-58.8 W
<b>Major Lobe Directions</b> Not Applicable	

	<b>Horizontally Polarized Antenna</b>	<b>Vertically Polarized Antenna</b>
<b>Effective Radiated Power in the Horizontal Plane (kW)</b>	98	98

<b>Height of Radiation Center Above Ground (meters)</b>	56	56
<b>Height of Radiation Center Above Mean Sea Level (meters)</b>	1188	1188
<b>Height of Radiation Center Above Average Terrain (meters)</b>	606	606

<b>Antenna Structure Registration Number</b> 1320939	<b>Overall Height of Antenna Structure Above Ground (meters)</b> See the registration for this antenna structure.
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<b>Obstruction Marking and Lighting Specifications for Antenna Structure</b> See the registration for this antenna structure.
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<p><b>Special Operating Conditions or Restrictions</b></p> <p>The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.</p> <ul style="list-style-type: none"> <li>• Permittee has specified use of the antenna listed below to demonstrate compliance with the FCC radiofrequency electromagnetic field exposure guidelines. If any other type or size of antenna is to be used with the facilities authorized herein, THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. SECTION 73.1620 WILL NOT APPLY. In this case, a FORMAL REQUEST FOR PROGRAM TEST AUTHORITY must be filed in conjunction with FCC Form 302-FM, application for license, BEFORE program tests will be authorized. The request must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines. ERI (EPA Type 3: opposed U dipole), six sectioned antenna</li> <li>• Warning signs which describe the radiofrequency electromagnetic field hazard must be posted at appropriate intervals. Access must be restricted to prevent the exposure of humans to RF emissions in excess of the FCC guidelines (OET Bulletin 65, Edition 97-01, released August 1997). Permittee shall submit documentation of compliance with this special operating condition when filing FCC Form 302, application for license.</li> </ul>
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Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules(See Section 83.875).

Pursuant to Section 73.3598, this Construction Permit will be subject to automatic forfeiture unless construction is complete and application for license is filed prior to expiration.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

