

Federal Communications Commission

TELEVISION TRANSLATOR BROADCAST STATION CONSTRUCTION PERMIT

Licensee/Permittee

University of North Carolina
PO Box 14900
Research Triangle Park, NC, 27709

Call Sign	File Number
W27EK-D	0000053444

Facility ID: 69204

NTSC TSID:

Digital TSID:

This Permit Modifies License File No.: BLDTT-20090615AAT

Grant Date 09/21/2018		Expiration Date 36 months after the grant date	
Hours of Operation Unlimited			
Station Location City BOONE State NC		Frequency (MHz) 548.0 - 554.0	Station Channel 27

Antenna Structure Registration Number	
Transmitter Type Accepted. See Sections 74.750 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 36-14-7.4 N Longitude 81-42-19.3 W	Antenna Type Non-Directional
Description of Antenna Make ERI Model AL80-27-E	Major Lobe Directions N/A
Antenna Beam Tilt (Degrees Electrical) 1.75	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable

Maximum Effective Radiated Power (Average) 0.45 kW -3.47 DBK	
Height of Radiated Center Above Ground (Meters) 21	Height of Radiated Center Above Mean Sea Level (Meters) 1472
Out-Of-Channel Emission Mask Full Service	Overall Height of Antenna Structure Above Ground (Meters) 24

Waivers/Special Conditions

- This authorization is conditioned that the station will not begin transmitting on the requested channel prior to the discontinuation of operations by station WCCB, that is currently licensed to use that channel.
- This authorization is subject to the condition that low power television is a secondary service, and that low power television and television translator stations must not cause interference to the reception of existing or future full service television stations on either allotted NTSC or DTV channels, and must accept interference from such stations.

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.

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