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
W20EK-D	0000080467

Facility ID: 69015
NTSC TSID:
Digital TSID:
This Permit Modifies License File No. 0000053439

Grant Date	Expiration Date
08/23/2019	10/02/2021

Hours of Operation
Unlimited

Station Location	Frequency (MHz)	Station Channel
City ANDREWS, ETC **State** NC	506.0 - 512.0	20

Antenna Structure Registration Number

Transmitter	Transmitter Output Power(kW)
Type Accepted. See Sections 74.750 of the Commission's Rules.	As required to achieve authorized ERP.
Antenna Coordinates **Latitude** 35-15-26.3 N **Longitude** 83-47-42.6 W	**Antenna Type** Non-Directional
Description of Antenna **Make** ERI **Model** AL8O-20-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) 9 kW 9.54 DBK	
Height of Radiated Center Above Ground (Meters) 23	**Height of Radiated Center Above Mean Sea Level (Meters)** 1459
Out-Of-Channel Emission Mask Full Service	**Overall Height of Antenna Structure Above Ground (Meters)** 41.2

Waivers/Special Conditions

- 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.
- This authorization is conditioned that the station will not begin transmitting on the requested channel 20 prior to discontinuation of operation by station: Call Sign: WBXX-TV that is currently licensed to use channel 20.

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.