

Federal Communications Commission

DISTRIBUTED TRANSMISSION SYSTEM LICENSE

Licensee/Permittee

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

Call Sign	File Number
WUNF-TV	0000093577

Facility ID: 69300

NTSC TSID: 1784

Digital TSID: 1785

**This License Covers Construction
Permit No.**

0000029742

Grant Date 12/19/2019		Expiration Date 12/01/2020
Hours of Operation Unlimited		
Station Location City ASHEVILLE State NC	Frequency (MHz) 506.0 - 512.0	Station Channel 20
Antenna Reference Coordinates Latitude 9999 35-13-20.0 N Longitude 82-32-58.0 W		Facility Type Noncommercial Educational

DTS Site Number:1

Antenna Structure Registration Number 1023079	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 35-13-20.0 N Longitude 82-32-58.0 W	Antenna Type Directional

Description of Antenna Make RFS Model SAA20-C170-E400-ET6R-20	
Antenna Beam Tilt (Degrees Electrical) 1	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 20.0 160.0	Maximum Effective Radiated Power (Average) 1000 kW 30.00 DBK
Height of Radiated Center Above Ground (Meters) 210.9	Height of Radiated Center Above Mean Sea Level (Meters) 1254.9
Height of Radiated Center Above Average Terrain (Meters) 550.7	Overall Height of Antenna Structure Above Ground (Meters) See the registration for this antenna structure.

DTS Site Number:2

Antenna Structure Registration Number	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 35-28-25.4 N Longitude 83-19-22.5 W	Antenna Type Directional
Description of Antenna Make KAT Model 2x2 750 10325	
Antenna Beam Tilt (Degrees Electrical) Not Applicable	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 20.0 160.0	Maximum Effective Radiated Power (Average) 1.73 kW 2.38 DBK
Height of Radiated Center Above Ground (Meters) 19	Height of Radiated Center Above Mean Sea Level (Meters) 754
Height of Radiated Center Above Average Terrain (Meters) -144.8	Overall Height of Antenna Structure Above Ground (Meters) 30

Waivers/Special Conditions

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.

