## **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 W31AN-D 0000129948

Facility ID: 69154 NTSC TSID: Digital TSID: This Permit Modifies License File No.

BLDTT-20090615AAV

| Grant Date         | Expir           | ation Date                 |  |
|--------------------|-----------------|----------------------------|--|
| 12/28/2020         | 36 m            | onths after the grant date |  |
| Hours of Operation |                 | SI                         |  |
| Unlimited          | H A             | A S                        |  |
| Station Location   | Frequency (MHz) | Station Channel            |  |
| City MURPHY        | 572.0 - 578.0   |                            |  |
| State NC           |                 | P (9)                      |  |

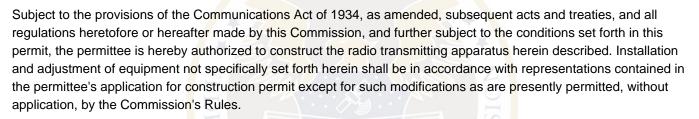
| Antenna Structure Registration Number                  |   |  |
|--|---|--|
| Transmitter  | Transmitter Output Power(kW)                    |  |
| Type Accepted. See Sections 74.750 of the Commission's | As required to achieve authorized ERP.          |  |
| Rules.   |   |  |
| Antenna Coordinates                                    | Antenna Type                                    |  |
| Latitude 35-5-05.2 N                                   | Non-Directional                                 |  |
| Longitude 84-0-58.3 W                                  |   |  |
| Description of Antenna                                 | Major Lobe Directions                           |  |
| Make ERI   | N/A   |  |
| Model AL8O-31-E  |   |  |
| Antenna Beam Tilt (Degrees Electrical)                 | Antenna Beam Tilt (Degrees Mechanical @ Degrees |  |
| 1.75   | Azimuth)  |  |
|  | Not Applicable                                  |  |

Maximum Effective Radiated Power (Average) 11.5 kW 10.61 DBK

| Height of Radiated Center Above Ground (Meters)<br>33 | Height of Radiated Center Above Mean Sea Level<br>(Meters)<br>691.4 |
|---|---|
| Out-Of-Channel Emission Mask                          | Overall Height of Antenna Structure Above Ground                    |
| Full Service  | (Meters)<br>36  |

## 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.



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