



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**LOW POWER TELEVISION/TELEVISION TRANSLATOR**  
**BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

UNIVERSITY OF NORTH CAROLINA  
P.O.BOX 2688  
910 RALEIGH ROAD  
CHAPEL HILL NC 27514

Facility Id: 69291

Keith A. Larson  
Chief, LPTV Branch  
Video Division  
Media Bureau

Grant Date: August 21, 1990  
This permit expires 3:00 a.m.  
local time, February 21, 1992.

Call Sign: W35CO-D

Permit File Number: BPTT-19891208GA

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.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

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

Name of Permittee: UNIVERSITY OF NORTH CAROLINA

Station Location: NC-BURNSVILLE

Frequency (MHz): 548 - 554

Offset: ZERO

Channel: 27

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 74.750 of the Commission's Rules.

Antenna type: (directional or non-directional): Non-Directional

Major lobe directions (degrees true): Not Applicable

Beam Tilt: Not Applicable

Antenna Coordinates: North Latitude: 35 deg 56 min 16 sec

West Longitude: 82 deg 17 min 48 sec

Maximum Effective Radiated Power (ERP) Towards Radio Horizon: 1.2 kW

Maximum ERP in any Horizontal and Vertical Angle: 1.2 kW

Height of radiation center above ground: 33 Meters

Height of radiation center above mean sea level: 355 Meters

Antenna structure registration number: None

Overall height of antenna structure above ground: 35 Meters

Special operating conditions or restrictions:

1 Prior to construction of the tower authorized herein, permittee shall notify AM Station(s) listed below so that, if necessary, the AM station(s) may determine operating power by the indirect method and request temporary authority from the Commission in Washington, D.C. to operate with parameters at variance in order to maintain monitoring point field strengths within authorized limits. Permittee shall be responsible for the installation and continued maintenance of detuning apparatus necessary to prevent adverse effects upon the radiation pattern of the AM station(s). Both prior to construction of the tower and subsequent to the installation of all appurtenances thereon, a partial proof of performance, as defined by Section 73.154(a) of the Commission's Rules, shall be conducted to establish that the AM array has not been adversely affected and, prior to or simultaneous with the filing of the application for license to cover this permit, the results submitted to the Commission.

(Revised March 14, 1983)

WKYK (AM)

2 The authorization of a license to operate this station is conditioned upon the use of a transmitter that has been type accepted or meets Commission type acceptance requirements at a visual carrier frequency tolerance of plus/minus 1 kHz. In the event the transmitter has not been type accepted at this tolerance, the permittee shall, in the license application, provide full engineering data that demonstrates compliance with Section 74.750 (c) (3) (iii) of the Commission's Rules.

3 THIS AUTHORIZATION REQUIRES THE TERRAIN SHIELDING WAIVER CONDITION (SEE ATTACHMENT).

\*\*\* END OF AUTHORIZATION \*\*\*