FCC Form 352
February 1977

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-790412AB

Call Sign: W R B X
Fac ID: 9068

STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, 1/ the LICENSEE

CAROLINA TRIANGLE BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time December 1, 1981

The licensee shall use and operate said apparatus only in accordance with the following terms:

1. On a frequency of 1530 kHz.
2. With nominal power of - watts nighttime and 10 kilo watts daytime,
   with antenna input power of - watts - directional antenna nighttime ..... [- current - amperes; - resistance - ohms,
   and antenna input power of 10,500 watts - directional antenna daytime ..... [common point current 14.51 amperes; common point resistance 50 ohms
3. Hours of operation: Daytime as follows:
   Jan. 7:30am to 5:30pm; Feb. 7:00am to 6:00pm;
   Mar. 6:30am to 6:30pm; Apr. 5:45am to 6:45pm;
   May 5:15am to 7:15pm; June 5:00am to 7:30pm;
   July 5:15am to 7:30pm; Aug. 5:30am to 7:00pm;
   Sep. 6:00am to 6:30pm; Oct. 6:30am to 5:45pm;
   Nov. 6:45am to 5:15pm; Dec. 7:15am to 5:00pm;
   Eastern Standard Time (non-advanced)
4. With the station located at: Chapel Hill, North Carolina
5. With the main studio located at: 5529 Chapel Hill Boulevard, Durham, North Carolina
6. Remote control point: 5529 Chapel Hill Boulevard, Durham, North Carolina
7. Transmitter location:
   0.4 miles SE of Moriah Church
   Chapel Hill, North Carolina
   North Latitude: 35 o 53 ' 28 "
   West Longitude: 79 o 07 ' 27 "
8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: none required.
9. Transmitter(s): FCC Type Accepted
10. Conditions:

1/8/86 SUPERSEDED TO REDESCRIBE ROUTE TO MONITORING POINTS

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

1/ This license consists of this page and pages 2 & 3.

Dated. March 14, 1980

FEDERAL COMMUNICATIONS COMMISSION

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FCC Form 353-A
April 1973

File No.: BL-790412AM *Call Sign:* WRBX *Date:* 3-14-80

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM DA- D

No. and Type of Elements: Two, guyed, series excited steel radiators. of uniform cross section. Theoretical RMS: 602.0 mV/m Day; Standard RMS: 632 mV/m Day.

Height above Insulators: 195' (109.2°) + 25' (14°) Top loading.

Overall Height: 198 ft.

Spacing and Orientation: With tower (#1) as reference, tower (#2) is spaced 258 ft. (140°) on an azimuth of 310°T.

Non-Directional Antenna: None

Ground System consists of 120 radials equally spaced about the base of each tower, 161 ft. in length except at the point on the intersection midway between the towers where the radials are shortened and bonded to a transverse strap.

2. THEORETICAL SPECIFICATIONS

Tower:	SE(#1)	NW(#2)
Phasing:	0.0°	50.0°
Field Ratio:	1.0	1.0

3. OPERATING SPECIFICATIONS

Phase Indication*:	0°	38°
Antenna Base Current Ratio:	1.00	0.950
Antenna Monitor Sample Current Ratio:	1.00	0.950

*As indicated by Potomac Instruments AM-19(204) antenna monitor.

Field measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every seven days and an appropriate record kept of all measurements so made.

DIRECTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 130° true North. From the transmitter, travel the access road generally west to county road # 1791; turn left and proceed generally southeast 0.6 miles to the county line where the road becomes # 1113; proceed straight ahead 0.6 miles to U.S. Highway # 15/501; proceed across the highway on road # 1113 and for 0.5 miles to county road#1127' turn left and proceed generally east 1.5 miles to the monitoring point which is on the south side of the road in a driveway marked by a white fence. This is # 13 on the 130.0° radial and is 2.35 miles from the antenna array. The field intensity measured at this point should not exceed 110 mV/m.

Direction of 288.2° true North. From the transmitter, travel the access road generally west to county road # 1791; turn right and proceed generally northwest 0.2 miles to county road # 1734; turn right and proceed generally north 0.5 miles to county road #1731; turn left and proceed generally west 2.0 miles to a private housing development road on th right; turn right and proceed 0.4 miles to the first "cul de sac" on the right; turn right and proceed 0.1 miles to the monitoring point which is at the center of the "cul de sac". The point is # 13 on the 288.2° radial andis 2.20 miles from the antenna array. The field intensity measured at this point should not exceed 4.4 mV/m.

Direction of 331.8° true North. From the transmitter, travel the access road generally west to county road # 1791; turn right and proceed generally northwest 0.2 miles to county road #1734; turn right and proceed generally north 0.5 miles to county road # 1731; turn left and proceed generally west 2.5 miles to county road # 1730; turn right and proceed generally north 2.2 miles to county road # 1718; turn right and proceed generally east 1.1 miles to the monitoring point which is in the center of the road opposite a dirt driveway cut into the bank on the north side of the road. This point # 14 on the 331.8° radial and is 2.35 miles from the antenna array . The field intensity measured at this point should not exceed 4.4 mV/m.