

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-850514AE

Call Sign: WESC

AM BROADCAST STATION LICENSE

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

BROADCASTING COMPANY OF THE CAROLINAS

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, 1988** in accordance with the following:

1. Station location: **Greenville, SC**

3. Remote control location: **223 West Stone Ave.
Greenville, SC**

Main Studio location:
(Listed only if not at transmitter site or not within boundaries of principal community)

4. Transmitter location: **Intersection of US 25 and SC
183, Greenville, SC**

North latitude: **34° 53' 10"**
West longitude: **82° 28' 03"**

5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)

6. Antenna and ground system: **Attached**

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: **1, 3, 13 & 21.**

8. Frequency (kHz.): **660**

9. Nominal power (kW): **50.0** Day
10.0 Night

Antenna input power (kW): **50.0** Day

Non-directional antenna: current **20.5** amperes; resistance **119** ohms.
 Directional antenna : current _____ amperes; resistance _____ ohms.

10.5 Night

Non-directional antenna: current _____ amperes; resistance _____ ohms.
 Directional antenna : current **14.51** amperes; resistance **50.0** ohms.

10. Hours of operation: Specified in construction permit (BP -19385)

11. Conditions: **— —**

The Commission reserves the right during said license period of terminating this license or making effective any change 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, as amended. 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, as amended.

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

Date: **NOV 30 1987** -VFR/ais

FEDERAL
COMMUNICATIONS
COMMISSION



DEC 3 1987

June 1980

File NO. BZ-850514AE

Call Sign: WESC

Date:

DA- CH, U

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two(2) vertical, series-excited, steel radiators. Tower #1(SV) is guyed, uniform cross-section. Tower #2(NE) is self supporting. A 182.9 m tower supporting an FM antenna is located in the center of the array. Theo. RMS: 951 mV/m @ 1 km. Std. RMS: 1057 mV/m @ 1 km.
Height above Insulators: 91.4 m (72.5°)

Overall Height: 92.7 m

Spacing and Orientation: From tower #1, tower #2 is spaced 113.7 m (90°) on a line bearing 42° True.

Non-Directional Antenna: Center tower used daytime only. Theoretical efficiency: 342.7 mV/m/Kw @ 1 km.
Ground System consists of 120 equally spaced, buried copper radials 114 m in length except where shortened and bonded, plus a 6.1 m square ground screen about the base of each tower.

2. THEORETICAL SPECIFICATIONS

| | | | |
|---------------------|-------------|--------------|---------------|
| Phasing: | Tower CH | SW(#1) 0° | NE(#2) 94° |
| Field Ratio: | CH | 1.0 | 1.0 |

3. OPERATING SPECIFICATIONS

| | | | |
|--|----|------|------|
| Phase Indication*: | CH | 0° | 95° |
| Antenna Base Current Ratio: | CH | 1.00 | 1.12 |
| Antenna Monitor Sample Current Ratio: | CH | 1.00 | 0.38 |

* As indicated by Potomac Instruments AM-19(204) Antenna Monitor.

ANTENNA SAMPLING SYSTEM APPROVED UNDER SECTION 73.68(b) OF THE RULES.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 25 degree true North. Proceed from the WESC transmitter parking lot to White Horse Road, Highway 25N. Turn right and proceed 1.0 mile. Turn right on Duncan Road and proceed 1.75 miles to Duncan Chapel Road (the southern boundary of Furman University). Turn left and proceed 0.35 mile to the second entrance to Furman University. Immediately before the railroad track, turn right on the campus service road and proceed on this road through the shop area to a status which is monument to WW II servicemen. The monitor point is west of the statue, on the centerline of the road. The field intensity measured at this point should not exceed 5.8 mV/m.

Direction of 42 degrees true North. Proceed from the WESC parking lot to White Horse Road, Highway 25 N, turn right and proceed 1.0 mile. Turn right on Duncan Road and proceed 1.75 miles to Duncan Chapel Road (the southern boundary of Furman University). Turn right and proceed 0.7 mile to Old Buncombe Road. Turn left and follow Old Buncombe Road for 0.1 mile, then the road becomes US 25 and US 276. Follow this road for 0.5 mile to a sign on the right side of the highway marked "Furman University Exit 1/4 mile". The Monitor Point is 100 feet south of the sign and in the median between lanes. The field intensity measured at this point should not exceed 13.2 mV/m.

Direction of 59 degree true North. Leave WESC transmitter site, turn right on White Horse Road, US 25, then proceed 1.0 mile. Turn right on Duncan Road and proceed 1.75 miles to Duncan Chapel Road (the southern boundary of Furman University). Turn right and proceed 0.70 mile to Old Buncombe Road. Turn left, then right and go 0.12 mile to Frontage Road, then 0.3 mile to US 25 South. Turn left at 0.8 mile, then left at 300 feet, then right on Davidson Road. Proceed 0.9 mile to crossroad. Cross the road and proceed 0.1 mile to rear of parking lot, then go to northwest corner of parking lot. Monitor Point is in grass at the northwest corner of the lot. The field intensity measured at this point should not exceed 5.1 mV/m.