FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

File No. : BZ-910405AA

Call Sign : W A M B

LICENSEE:

GREAT SOUTHERN BROADCASTING COMPANY, INC.

1. Community of License .....: Donelson, TN

2. Transmitter location .....: 1711 Omohundro Drive
Nashville, TN

North latitude .....: 36 ° 09 ' 49 "
West longitude .....: 86 ° 42 ' 56 "

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

4. Main Studio location: (See Section 73.1125)
1617 Lebanon Road
Nashville, TN

5. Remote control location:
1617 Lebanon Road
Nashville, TN

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12 and 21

8. Frequency .....: 1160 kHz

9. Nominal power (kW) .....: 50 Day 1.0 Night

Antenna input power (kW) :

21.98 Day [XX] Non-directional antenna: [ ] Directional antenna : current 10.28 amperes; resistance 208 ohms.

1.08 Night [ ] Non-directional antenna: [XX] Directional antenna : current 4.65 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BP-800814AC

11. Conditions .....: ---

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,[1] the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time August 1, 1996.

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.

The license is issued on the licensee's representation that the statements contained in the 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 the 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

Dated: JUL 09 1991

FEDERAL COMMUNICATIONS COMMISSION

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1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Two vertical, guyed, series excited steel radiators of uniform cross section. Theo. RMS: 332.75 mV/m @ 1 km. Std. RMS: 349.47 mV/m @ 1 km. Q = 10 Nighttime.

Height above Insulators: Tower #1 = 120.1 m (167.2° + 43.4° top loading)
Tower #2 = 57.9 m (80.6°)

Overall Height: Tower #1 = 121.0 m; Tower #2 = 58.8 m

Spacing and Orientation: Towers spaced 75° apart on a line bearing 300° True.

Non-Directional Antenna: Tower SE(#1) Theo. Efficiency of 425.4 mV/m/kW @ 1 km restricted to 282.21 mV/m @ 1 km, Daytime.

Ground System consists of 120 equally spaced, buried, copper radials 61 m in length about the base of each tower.

2. **THEORETICAL SPECIFICATIONS**

Tower	SE(#1)	NW(#2)
Phasing:	0°	108°
Field Ratio:	1.0	0.87

3. **OPERATING SPECIFICATIONS**

Phase Indication*:	155.5°	0°
Antenna Base Current Ratio:	0.262	1.00
Antenna Monitor Sample Current Ratio:	0.513	1.00

* **As indicated by** Gorman Redlick CMR(242) antenna Monitor.
Antenna sampling system approved under Section 73.68(b) rules.

BZ-910405AA WAMB

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 283.5 degree true North. From the WAMB transmitter drive, turn left onto River Hill Drive (formerly Omohundro Drive) and follow it approximately 0.4 miles to its end. Turn right onto Cave Road and proceed 0.18 miles. Turn left onto Spence Lane and proceed 0.57 miles to the traffic light at Lebanon Road. Turn right and proceed 1.12 miles west on Lebanon Road to the traffic light at Fesslers Lane. Turn left and proceed 0.46 miles. Turn right and enter the westbound Interstate 24/40 on ramp. Follow Interstate 24/40 approximately 0.8 miles to the junction with Interstate 65 and bear right, following signs for St. Louis and Louisville. Continue approximately 0.8 mile farther, crossing the Cumberland River, and take the Shelby Street Exit (interchange 84). Turn right onto Shelby Avenue and proceed one block. Turn left onto South Fifth Street and proceed 0.22 miles. Turn right on Russell Street and proceed 0.21 miles to its end in front of the Old Warner School building. The point is at the curb on the northwest side of the paved turnaround. This is point number 17 of the radial N-283.5-E, located 2.59 miles from the array. The field intensity measured at this point should not exceed 9.1 mV/m.

Direction of 316.5 degree true North. From the WAMB transmitter drive, turn left onto River Hills Drive (formerly Omohundro Drive) and follow it approximately 0.4 mile to its end. Turn right onto Cave Road and proceed 0.18 miles. Turn left onto Spence Lane and proceed 0.57 miles to the traffic light at Lebanon Road. Turn right and proceed 1.12 miles west on Lebanon Road to the traffic light at Fesslers Lane. Turn left and proceed 0.46 miles. Turn right and enter the westbound Interstate 24/40 onramp. Follow Interstate 24/40 approximately 0.8 miles to the junction with Interstate 65 and bear right, following signs for St. Louis and Louisville. Continue approximately 0.8 mile farther, crossing the Cumberland River, and take the Shelby Street Exit (interchange 84). South Fifth Street and proceed 0.4 miles. Turn right onto Main Street and follow it 1.7 miles, as it passes East High School and becomes Gallatin Road. Turn left onto West Greenwood Avenue and proceed west one block, approximately 0.1 mile, to Cotton Elementary School. Turn right into the first school driveway and drive past the playground to a parking area. The point is at the north edge of the playground. This is point number 15 of the radio N-316.5 E, located 2.62 miles from the array. The field intensity measured at this point should not exceed 5.4 mV/m.