FCC Form 352
June 1984

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-850918AE

Call Sign: WAMB

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,[1] the LICENSEE

GREAT SOUTHERN B/CASTING CO., INC.

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 AUGUST 1, 1989 in accordance with the following:

1. Station location Donelson, TN

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

3. Remote control location: 1617 Lebanon Rd Nashville, TN

4. Transmitter location: 1711 Omohundro Dr. Nashville, TN

North latitude : 36 ° 09 ′ 49 ″
West longitude: 86 ° 42 ′ 56 ″

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, 12, 21 & 22.

8. Frequency (kHz.): 1160

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

Antenna input power (kW): 21.98 Day

☒ Non-directional antenna: current 9.6 amperes; resistance 238.5 ohms.

21.71 CH

☒ Directional antenna : current 9.54 amperes; resistance 238.5 ohms.
non

1.08 Night

☐ Non-directional antenna: current amperes; resistance ohms.

☒ Directional antenna : current 4.65 amperes; resistance 50 ohms.

10. Hours of operation: Specified in construction permit (BP -800814AC)
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

Dated: DEC 24 1985

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DA-N

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two(2) guyed, series excited steel radiators of uniform cross-section. RMS theo. = 206.76 mV/m/mile; RMS std = 217.20 mV/m/mile.

Height above Insulators: Tower #1 394' (167.2° + 43.4° of top loading)
Tower #2 190' (80.6°)

Overall Height: Tower #1 397'; Tower #2 193'

Spacing and Orientation: Two towers spaced 75 electrical degrees apart on a line bearing 300° true.

Non-Directional Antenna: Tower #1 theoretical efficiency of the top loaded antenna is 264.4 mV/m/Kw (1,869.6 mV/m/50Kw). This is restricted to: 1,240 mV/m/ daytime and *

Ground System consists of 120-200' equally spaced buried radials about the base of each tower and extending to intersection with transverse copper strap.

** 1,232.4 mV/m during critical hours.

2. THEORETICAL SPECIFICATIONS

	Tower	SE(#1)	NW(#2)
Phasing:	Night	0°	108°
Field Ratio:	Night	1	.87

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	0°	110°
Antenna Base Current Ratio:	Night	1.00	2.17
Antenna Monitor Sample Current Ratio:	Night	1.00	1.35

*** As indicated by** Gorman-Redlick CMR(242) Antenna Monitor.

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

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 appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 283.5° true North. From the WAMB transmitter drive, turn left onto River Hills 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 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). 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° 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 Esit (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 radial N-316.5E, located 2.62 miles from the array. The field intensity measured at this point should not exceed 5.3 mV/m.