

May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

File No. : BL-880302AA

Call Sign : W G S T

LICENSEE:

JACOR BROADCASTING OF ATLANTA, INC.

1. Community of License _____: Atlanta, GA
2. Transmitter location _____: Southwest of intersection
of Simpson Rd. & New Jersey
Avenue, Atlanta, GA

North latitude _____: 33 ° 45 ' 43 "

West longitude _____: 84 ° 27 ' 29 "

6. Antenna and ground system: Attached

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)
550 Pharr Road, N.E.
Atlanta, GA 30363

5. Remote control location:
550 Pharr Rd., N.E.
Atlanta, GA 30363

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 11 & 21.

8. Frequency _____ 640 kHz

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

Antenna input power (kW):

52.6 Day

☐ Non-directional antenna:

☒ Directional antenna : current 32.43 amperes; resistance 50 ohms.

1.08 Night

☐ Non-directional antenna:

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

10. Hours of operation: Specified in BP-810729AF & BMP-871030AB

11. Conditions _____: - - -

5/8/91 -- **SUPERSEDED** to correct address of remote control location and main studio.

1/31/91 -- **SUPERSEDED** to correct name of licensee and to make changes in Call Letters.

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

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

Dated:

JUL 20 1989

FEDERAL
COMMUNICATIONS
COMMISSION



May 31 1991

FCC Form 353-A

June 1980

File NO. BL-880302AA

Call Sign: w g s t

Date: 3-29-88

DA-2

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three vertical, guyed, series excited, steel radiators of uniform cross-section. Day: Theo. RMS: 2184.0mV/m @1 km., Std. RMS: 2294.4mV/m @1 km., Q: 70.71 night: Theo. RMS: 300.7mV/m @1 km., Std. RMS: 315.9mV/m @1 km., Q: 10.0. Three (3) communications type antennas are sidemounted on W (#3) tower.

Height above Insulators: 102.4m (78.7°)

Overall Height: 104.5m

Spacing and Orientation: With tower #1 as reference, tower #2 is spaced 104m (80 degrees) on a line bearing 172 degrees True. With tower #2 as reference, tower #3 is spaced 104m (80 degrees) on a line bearing 270 degrees True.

Non-Directional Antenna: Not Used.

Ground System consists of 120 equally-spaced radials about the base of each tower, 115.8m in length except where terminated by copper bus or property boundary.

2. THEORETICAL SPECIFICATIONS

	Tower	E(#2)	N(#1)	W(#3)
Phasing:	Night	0°	--	+50°
	Day	-131°	0°	

Field Ratio:	Night	1.0	--	1.0
	Day	0.41	1.0	--

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	0°	--	48°
	Day	-131.2°	0°	--

Antenna Base

Current Ratio

Night	1.00	--	1.07
Day	0.439	1.00	--

Antenna Monitor Sample

Current Ratio:

Night	1.00	--	1.05
Day	0.44	1.00	--

* As indicated by Potomac Instruments AM-19D (210) Antenna Monitor.

Antenna sampling system approved under section 73.68(b) rules.

BL-880302AA

w g s t

DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 44° true North. From the WPBD transmitter turn right (east) on Simpson Road and proceed 2.4 Km. to Chappell Road. Turn left (north) (east) onto Bankhead Highway and proceed 0.85 km. to Marietta Blvd. Turn left (north) onto Marietta Blvd and proceed for a distance of 1.9 km. to the intersection with Huff Road. The point is located on the northwest corner of the intersection of Huff Road and Marietta Blvd. Radial point number 13. Distance from transmitter 4.03 kilometers. The field intensity measured at this point should not exceed 320 mV/m, Daytime.

Direction of 300° true North. From the WPBD transmitter turn left (west) on Simpson Road and proceed 1.3 km. to Hightower Road. Turn right (north) onto Hightower Road and proceed north for 1.45 km. Turn (west) onto Bankhead Highway and proceed west for a distance of 0.4 km. Turn left (south) on Peek Road and proceed 0.65 km. to West Peek Road. Proceed 0.32 Km. to 735 Caron Circle. Turn right (north) and proceed .16 km. to 735 Caron Circle. The point is located on the west shoulder of the road across from a fire hydrant. Radial point number 13. Distance from transmitter 2.93 kilometers. The field intensity measured at this point should not exceed 236 mV/m, Daytime.

Direction of 352° true North. From the WPBD transmitter turn left (west) on Simpson Road and proceed 1.3 km. to Hightower Road. Turn right (north) onto Hightower Road and proceed north for 2.74 km. Turn right (southeast) onto Northwest Drive and proceed for a distance of 0.45 km. Turn left (north) onto Old Hightower Road and proceed 1.15 km. to Hollywood Road. Turn right (northeast) onto Gun Club Road and proceed for a distance of the road in front of the driveway to the landfill. Radial point number 11. Distance from transmitter 3.42 kilometers. The field intensity measured at this point should not exceed 331 mV/m, Daytime.

Direction of 270° true North. From the WPBD transmitter turn left (west) on Simpson Road and proceed 1.3 km. to Hightower Road. Turn left (south) onto Hightower Road and proceed 1.3 km. to Martin Luther King Jr. Drive. Turn right (west) onto Martin Luther King Jr. Drive and proceed 4.2 km. to Adamsville Road. Turn left (west) on to Adamsville Road and proceed 0.6 km. to the intersection with Woodstock Drive. The point is located on the north side of Adamsville Road, at the driveway of the house on the northeast corner of the intersection with Woodstock Drive. Radial point number 13. Distance from transmitter 5.25 kilometers. The field intensity measured at this point should not exceed 14.1 mV/m, Nighttime.