FCC Form 352
June 1984

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-870526AG
BL-851009AE

Call Sign: WHBQ

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

First City Communications, 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: Memphis, Tennessee

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

3. Remote control location: 483 South Highland
Memphis, TN

4. Transmitter location: 486 Circle Road
Memphis, TN

North latitude: 35° 15' 12"
West longitude: 90° 02' 51"

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

6. Antenna and ground system: See page 2 attached

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

8. Frequency (kHz.): 560

9. Nominal power (kW): 5.0 Day
1.0 Night

Antenna input power (kW): 5.0 Day

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 10 amperes; resistance 50 ohms.

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-830311AA & BMP-880513AA)
11. Conditions: (BP- 830512BC)

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 2,3,4,5

Dated: JUL 20 1988

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FEDERAL COMMUNICATIONS COMMISSION

FCC Form 353-A
June 1980

File NO.: BP-830311AA
BP-850512BC

Call Sign: W H B Q

Date: REVISED
12/2/85

DA- 2

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Five(5) vertical, guyed, series excited, steel radiators of uniform cross section, top loaded by guy wires at an apparent electrical height of 75° Day Theoretical RMS: 403 mV/m/mile (648.6 mV/m/Km) Standard RMS: 423.39 mV/m/mile (681.4 mV/m/Km) Night Theoretical RMS: 180 mV/m/mile (289.7 mV/m/km). **
Height above Insulators: 310' (63.5° - - - top loaded to 75°)
** Standard RMS: 189.16 mV/m/mile (304.4 mV/m/Km).
Overall Height: 315'

Spacing and Orientation: With tower #1(SW) as a reference, tower #2(NW) spaced 90° bearing 25° Tower #3(NE) spaced 326.1° bearing 64.2°, tower #4(E) spaced 242.4° bearing 71°, Twr #5(SE) is spaced 118.6° bearing 83.5°. Day antenna uses #2 and #5 towers only

Non-Directional Antenna: N/A

Ground System consists of 120-440 equally spaced radials about the base of each tower and extending to the intersection with transverse copper strap.

2. THEORETICAL SPECIFICATIONS

	Tower	#1(SW)	#2(NW)	#3(NE)	#4(E)	#5(SE)
Phasing:	Night:	-11.7	116.5	150.0	0	-159.0
	Day:	- -	82.8	00	0	0
Field Ratio:						
	Night:	0.8180	0.9320	0.8640	1.0	0.1890
	Day:	- -	1.0	- -	- -	1.0

3. OPERATING SPECIFICATIONS

Phase Indication*:						
	Night:	-143°	3°	34°	0°	-134°
	Day:	-	-60°	- -	- -	0°
Antenna Base Current Ratio:	night	0.943	0.980	0.945	1.00	0.153
	day	- -	1.00	- -	- -	1.00
Antenna Monitor Sample Current Ratio:	Night	0.88	0.94	0.895	1.00	0.18
	Day:	- -	0.97	- -	- -	1.00

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

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

Direction of 14 degrees true north. From the transmitter site gate, proceed east and northeast on circle Road South 1.4 miles to Circle Road North. Turn left and continue west and north on Circle Road North 1.1 miles, at which point Circle Road North becomes Benjestown Road. Continue north on Benjestown Road 0.8 miles to Fite Road. Turn right and proceed east and northeast on Fite Road 0.4 mile to Island Road. Turn left and proceed northwest on Island Road 0.4 miles to Monitoring Point 1. The point is on the north edge of the road 175 feet east of the driveway at 6085 Island Road. The field intensity measured at this point should not exceed 22.9 mV/m, nighttime.

Direction of 54 degrees true north. From the transmitter site gate, proceed east and northeast on circle Road South 1.4 miles to Circle Road. North Turn left and continue west and north on Circle Road North 1.1 miles, at which point Circle Road North becomes Benjestown Road. Continue north on Benjestown Road 0.8 miles to Robertson Road. Turn right and proceed east on Robertson Road 1.6 miles to Monitoring Point 2. The point is 40 feet south of the south edge of the road and twenty feet east of the driveway to the house at 1515 Robertson Road. The field intensity measured at this point should not exceed 75.2 mV/m, nighttime.

Direction of 95 degrees true north. From the transmitter site gate, proceed east and northeast on Circle Road South 1.25 miles to Northhaven. Turn right on Northhaven and proceed east 0.25 miles to North Watkins. Turn right on North Watkins and proceed south and southeast 2.45 miles to St. Elmo. Turn left on St. Elmo and proceed east 1.6 miles to Hollywood and proceed north 0.6 mile to Hawkins Mill Road. Turn left on Hawkins Mill Road and proceed west and north 0.3 mile to Suncrest Drive. Turn right on Suncrest Drive and proceed 0.2 mile to Smith Ridge. Turn left on Smith Ridge and proceed 1 block to Cove on right. The point is on the south side of Sunny View opposite the house at 4509 Sunny View. The field intensity measured at this point should not exceed 21.5 mV/m.

Direction of 130.5 degrees true north. From the transmitter site gate, proceed east and northeast on Circle Road South 1.25 miles to Northaven. Turn right on Northaven and proceed east 0.25 mile to North Watkins. Turn right and proceed south and southeast on North Watkins 1.8 miles to Thomas Street. continue southeast and south on Watkins 1.15 miles to Sutton Street. Turn left and proceed east on Sutton Street one block to Kensett Street. Turn right and proceed south on Kensett Street 250 feet to Monitoring Point 4. The point is in the center of the street in line with driveway centerline at 3512 Kensett. The field intensity measured at this point should not exceed 34.4 Mv/m, nighttime.

Direction of 214 degrees true north. From the transmitter site, drive to central Memphis and proceed west on Interstate Highway 40 into

Direction of 330 degrees true north. From the transmitter site, drive to central Memphis and proceed west on Interstate Highway 40 into Arkansas. From the center of the Interstate 40 bridge between Tennessee and Arkansas continue west 7.5 miles to the Interstate 55 interchange. Proceed north 20.5 miles on Interstate 55 to the Mississippi County Line. Continue north 2.5 miles from the county line past daytime Monitoring Point 8A. Monitoring Point 8B is adjacent to 8A, but on the west side of the freeway. To reach it continue north and double back. The monitoring point is 0.6 mile south of the "mile 29" freeway marker and is again opposite the twin power poles to the west of the freeway which are the second set of poles after the power line crosses the freeway approximately a quarter mile to the north. The daytime and nighttime monitoring points on this radial are at different locations inasmuch as a telephone call to the studio is necessary to achieve the pattern change. There are few interchanges along I-55 and when returning to the monitoring point following the telephone call one is in the southbound lanes instead of the northbound lanes. The field intensity measured at this point should not exceed 0.55 mV/m, nighttime.

Arkansas. From the center of the Interstate 40 bridge between Tennessee and Arkansas continue west 3.7 miles to the Highway 31 exit. Exit to Highway 31 and proceed north 0.1 mile to Monitoring Point 5. The point is on the west edge of the road opposite the second power pole north of the freeway. The pole is marked with 33 orange dots. The field intensity measured at this point should not exceed 3.9 mV/m, nighttime.

Direction of 291 degrees true north. From the transmitter site, drive to central Memphis and proceed west on Interstate Highway 40 into Arkansas. From the center of the Interstate 40 bridge between Tennessee and Arkansas continue west 7.5 miles to the interchange with Interstate 55. Go north 10 miles on Interstate 55 to the Clarkdale exit (Exit 17)< continue north from the Clarkdale exit 0.9 mile on the east frontage road to Monitoring Point 6. The point is on the east side of the frontage road opposite a painted freeway fence post and 60 feet south of the "Blytheville 48 miles-St. Louis 263 miles" sign. The field intensity measured at this point should not exceed 1.86 mV/m, daytime.

Direction of 302 degrees true north. From the transmitter site, drive to central Memphis and proceed west on Interstate Highway 40 into Arkansas. From the center of the Interstate 40 bridge between Tennessee and Arkansas continue west 7.5 miles to the Interstate 55 interchange. Proceed north 14.5 miles on Interstate 55 to State Route 42 (Exit 21). Loop over I-55 to the frontage road on the west side and proceed north on the western frontage road 0.45 mile to Monitoring Point 7. The point is on the east edge of the western frontage road opposite a power pole marked with three orange dots on the west side of the road and in line with the "mile 22" freeway marker on southbound freeway. The field intensity measured at this point should not exceed 1.3 mV/m, nighttime.

Direction of 330 degrees true north. From the transmitter site, drive to central Memphis and proceed west on Interstate Highway 40 into Arkansas. From the center of the Interstate 40 bridge between Tennessee and Arkansas continue west 7.5 miles to the Interstate 55 interchange. Proceed north 20.5 miles on Interstate 55 to the Mississippi County Line. Continue north 2.5 miles from the county line to the monitoring point. The monitoring point is on the east edge of the pavement, 0.4 mile north of the "mile 30" marker and opposite the double power poles on the west side of the freeway which are the second set of power poles after the power line crosses the freeway approximately one-quarter mile farther miles. The field intensity measured at this point should not exceed 0.70 mV/m, daytime.