February 1977

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.:BL-810904AG

Call Sign: ~~W J B Y~~ WKFX

STANDARD BROADCAST STATION LICENSE
MODIFIED

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, [1/] the LICENSEE

GADSDEN BROADCASTING COMPANY, 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 APRIL 1, 1982

The licensee shall use and operate said apparatus only in accordance with the following terms:

1. On a frequency of 930 kHz.
2. With nominal power of .5 kilo watts nighttime and 5 kilo watts daytime,
   with antenna input power of 540 watts --- directional [Common Point current 3.29 amperes, resistance 50 ohms,
   antenna nighttime ..... [Common Point
   and antenna input power of 5000 watts non directional [Antenna current 9.90 amperes, resistance 51 ohms
   antenna daytime ..... [Antenna
3. Hours of operation: Unlimited:
   Average hours of sunrise and sunset:
   Jan. 6:45 am to 5:00 pm; Feb. 6:30 am to 5:30 pm;
   Mar. 6:00 am to 5:45 pm; Apr. 5:15 am to 6:15 pm;
   May 4:45 am to 6:45 pm; June 4:30 am to 7:00 pm;
   July 4:45 am to 7:00 pm; Aug. 5:00 am to 6:30 pm;
   Sep. 5:30 am to 5:45 pm; Oct. 5:45 am to 5:15 pm;
   Nov. 6:15 am to 4:45 pm; Dec. 6:45 am to 4:30 pm;
   Central Standard Time (Non-Advanced)
4. With the station located at: Rainbow City, Alabama
5. With the main studio located at: 410 South Second Street
   Gadsden, Alabama
6. Remote control point: ---
7. Transmitter location:
   1.25 miles S. of existing site
   Gadsden, Alabama
   North Latitude: 33 o 59 ' 08 "
   West Longitude: 86 o 02 ' 15 "
8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 11 & 21.
9. Transmitter(s): Type Accepted
10. Conditions: ---

The Commission reserves the right during said license period of terminating this license or making effective any changes 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 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. 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.

[1/] This license consists of this page and pages 2, 3 & 4.

Dated: November 30, 1981

FEDERAL COMMUNICATIONS COMMISSION

KJ

FCC Form 353-A
June 1980

File NO.: BL-810904AG Call Sign: WJBY Date: 11-30-81

DA- N

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Four (4) uniform cross sectioned, guyed, series-excited steel radiators. Theoretical RMS: 143.17 mV/m; Standard RMS: 150.8 mV/m, night.

Height above Insulators: 270' (91.9°)

Overall Height: 273'

Spacing and Orientation: The four towers are on a line bearing 16.5° T; spaced 264.4' (90°) between towers.

Non-Directional Antenna: Tower S(#1). Theoretical efficiency is 190.9 mV/m/kW

Ground System consists of 120 - 264' buried radials about base of each tower, plus 120-50; radials interspersed. Radials are shortened where they intersect.

2. **THEORETICAL SPECIFICATIONS**

	S(#1)	SC(#2)	NC(#3)	N(#4)
Phasing:	0°	168°	-29.1°	138°
Field Ratio:	1.0	1.76	1.58	0.73

3. **OPERATING SPECIFICATIONS**

Phase Indication*:	0°	168.2°	-28.7°	139.1°
Antenna Base Current Ratio:	1.00	1.77	1.58	0.750
Antenna Monitor Sample Current Ratio:	1.00	1.77	1.59	0.73

*** As indicated by** Potomac Instruments AM-19(204) antenna monitor.

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 an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 46.9° true North. From the transmitter drive, turn right onto Sutton Bridge Road and follow it slightly more than one mile to its intersection with South 11th Street. Turn right onto South 11th Street and continue approximately 2.8 miles to its intersection with Forrest Avenue. Turn right and follow Forrest Ave. as it becomes Broad Street to the point, at a distance of approximately 1.0 mile. The point is located along the north edge of the Broad Street traffic lanes, in the middle of the block between Third and Fourth Streets This is point No. 19 of the radial N-46.9° -E, 2.73 miles from the array. The field intensity measured at this point should not exceed 9.46 mv/m.

Direction of 102° true North. From the transmitter drive turn left onto Sutton Bridge Road and continue slightly less than two miles to its intersection with Rainbow Drive. Turn left onto Rainbow Drive and continue approximately 2.65 miles to the point, which lies along the east shoulder of the road directly opposite the north wall of the Red Lobster Restaurant. This is point No. 18 of the radial N-102.0° -E, 1.80 miles from the array. The field intensit measured at this point should not exceed 7.77 mv/m.

Direction of 135.4° true North. From the transmitter drive, turn left onto Sutton Bridge Road and continue slightly less than two miles to its intersection with Rainbow Drive. Turn left onto Rainbow Drive and continue approximately 1.65 miles to the point, which lies immediately west of the road in the parking lot of the McGuffee Health Care Center. This is point 10 of the radial N-135.4° -E, 1.43 miles from the array. The field intensity measured at this point should not exceed 24.4 mv/m.

Direction of 257.6° true North. From the transmitter drive, cross Sutton Bridge Road and enter Steele Station Road. Continue approximately 1.05 miles to an intersection with Highway 77, also known as Gilberts Ferry Road and Grand Avenue. Turn right onto Gilberts Ferry Road and continue 0.7 miles to the point, which is taken along the northeast shoulder of the road approximately 10 ft. south of the highway bridge over a small creek. This is point 19 of the radials N-257.6°-E, 1.68 miles from the array. The field intensity measured at this point should not exceed 16.5 mv/m.

Direction of 291° true North. From the transmitter drive, cross Sutton Bridge Road and continue Steele Station Road approximately 1.05 miles to its intersection with Highway 77/Gilberts Ferry Road/Grand Ave. Turn right onto Gilberts Ferry Road and continue approximately 2.25 miles to the intersection with Brooke Avenue on the right, just before reaching Interstate 59. Turn into Brooke Avenue and continue approximately 0.1 miles to a sharp right turn, and then 0.2 additional miles to the point which is taken along the west shoulder of the roadway at the crest of a small rise. This is point 23 of the radial N-291.0° -E, located 2.74 miles from the array. The field intensity measured at this point should not exceed 3.66 mv/m.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS: (CONT'D)

Direction of 346.1° true North. From the transmitter drive, turn right onto Sutton Bridge Road and follow it approximately one mile to its intersection with South 11th Street. Turn left and continue on South 11th Street a distance of approximately 1.8 miles to Walnut Street. Turn left on Walnut Street and continue one block, and turn right onto Wilson Street. Follow Wilson Street approximately 0.5 miles to Cleveland Avenue/Forrest Avenue/Highway 431. Turn right and follow Forrest Avenue approximately 0.65 miles to its intersection with 28th Street and turn left. Follow 28th Street across the railroad tracks to its intersection with Meighan Blcd., Highway 278. Turn left and continue approximately 0.2 miles to the point, which lies along the south sidewalk between 28th Street and 29th Street, along the property line dividing a stone residence with a cupola entranceway and a dark brick two-story residence with an enclosed first-floor porch. This is point 28 of the radial N-346.1° -E, located 2.63 miles from the array. The field intensity measured at this point should not exceed 10.4 mv/m.