

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-790215

Call Sign: W A A X

STANDARD BROADCAST STATION LICENSE

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

ETOWAH BROADCASTERS, 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:

- On a frequency of 570 kHz.
- With nominal power of 540 watts nighttime and 5 kilo watts daytime,  
with antenna input power of 540 watts - directional  
antenna nighttime ..... [ common point current 3.2 ampere  
common point resistance 53.0 ohm  
and antenna input power of 5000 watts non directional [ antenna current 14.4 ampere  
antenna daytime ..... [ antenna resistance 24.1 ohm

- Hours of operation: Unlimited:  
Average hours of sunrise and sunset:  
Jan. 6:45am to 5:00pm; Feb. 6:30am to 5:30pm;  
Mar. 6:00am to 5:45pm; Apr. 5:15am to 6:15pm;  
May 4:45am to 6:45pm; June 4:30am to 7:00pm;  
July 4:45am to 7:00pm; Aug. 5:00am to 6:30pm;  
Sep. 5:30am to 5:45pm; Oct. 5:45am to 5:15pm;  
Nov. 6:15am to 4:45pm; Dec. 6:45am to 4:30pm;  
Central Standard Time (non-advanced)

- With the station located at: Gadsden, Alabama
- With the main studio located at: 1716 Rainbow Drive, Gadsden, Alabama

6. Remote control point: -

7. Transmitter location: 1716 Rainbow Drive Gadsden, Alabama

North Latitude: 33 ° 58' 45"  
West Longitude: 86 ° 00' 09"

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12 & 21.

9. Transmitter(s): FCC 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 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 privilege 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 this 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 309 of the Communications Act of 1934.

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

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Recd. May 15, 1980

FEDERAL COMMUNICATIONS COMMISSION



File No.: 790213AA

Call Sign: WAAX

Date: 5-15-80

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- N

No. and Type of Elements: Three uniform cross-section, guyed, series-excited vertical radiators.

Height above Insulators: 325' (67.8°)

Overall Height: 328'

Spacing and Orientation: West and East towers spaced 2107' (440°) on a line bearing 100° true. West and Center towers spaced 1189' (248°) on a line bearing 106° true.

Non-Directional Antenna: W (#1) tower

Ground System consists of 120-430' equally spaced, buried, copper radials plus a 72 by 72 foot copper ground screen about the base of each tower. Radials between towers extended to transverse copper straps midway between adjacent elements.

2. THEORETICAL SPECIFICATIONS

	Towers W(#1)	E(#2)	C(#3)
Phasing:	0°	+128°	60.5°
Field Ratio:	1.00	1.00	1.45

3. OPERATING SPECIFICATIONS

Phase Indication*:	-64.5°	+166°	0°
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Antenna Base Current Ratio:	0.611	0.606	1.00
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Antenna Monitor Sample

Current Ratio:	0.625	0.585	1.00
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\*As indicated by Potomac Instruments AM-19(204) antenna monitor.

Exemptions as listed in Section 73.68(b) of the Rules will apply during proper operation of approved sampling system.

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-790213

Call Sign: W A A X

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10. Conditions: -

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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 this 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.

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Date: May 15, 1980

FEDERAL  
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Antenna Base				
Current Ratio:		0.611	0.606	1.00

Antenna Monitor Sample

Current Ratio:		0.625	0.585	1.00
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\*As indicated by Potomac Instruments AM-19(204) 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 an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1- Direction of  $29^{\circ}$  true North. From the transmitter site, proceed north on Rainbow Drive approximately 2.5 miles through the city of Gadsden to U.S. 431 (Meaghans Blvd.). Turn right or to the east proceeding 1.1 mile to the entrance to the Goodyear Tire Golf Course. The monitor point is in the middle of the Golf Course parking area which is approximately 500' north of Meaghan Blvd. The field intensity measured at this point should not exceed 16.5 mV/m.

Point #2-Direction of  $40^{\circ}$  true North. From the transmitter, proceed to monitor point #1 as described in the above paragraph. From monitor point #1, proceed 0.525 mile east or to the left on U.S. 431. The monitor Point #2 is in the dividing strip in the middle of the road. The field intensity measured at this point should not exceed 19.5mV/m.

Point #3-Direction of  $56^{\circ}$  true North. From the transmitter site, proceed to Point #2 as described above. From Point #2, proceed 0.6 mile southeast and south on U.S. 431 to the junction of U.S. 278 and U.S. 431. Point #3 is on the north side of U.S. 278, 0.13 mile east of the junction of 278 and 431. The field intensity measured at this point should not exceed 5.6 mV/m.

Point # 4-Direction of  $142^{\circ}$  true North. From the transmitter, proceed to Point #3 as described above. From Point #3, proceed approximately five miles southeast on U.S. 431, passing through the town of Glencoe. Turn right or to the west on the Green Valley Road, proceeding approximately 2.2 miles to Point #4. At this point, a dirt road meets the Green Valley Road at an angle from the south. The point is in the drive leading to a house with a stone porch. The point is approximately 50' south of the Green Valley Road. The field intensity measured at this point should not exceed 11.5 mV/m.

Point #5-Direction of  $157^{\circ}$  true North. From the transmitter, proceed as described above to Point #4. From Point #4 continue approximately 1.2 mile southwest on the Green Valley Road to Point #5. This measuring point is on the north side of the road across from a utility pole marked No. 57. The field intensity measured at this point should not exceed 9.4 mV/m.

Point #6-Direction of  $252^{\circ}$  true North. From the transmitter site, proceed south on U.S. 411(Rainbow Drive) 2.25 miles to intersection. An alternate method of reaching this point is to proceed from Point #5 approximately 1.1 mile southwest on the Green Valley Road. Turn right and proceed approximately 1.1 miles crossing the bridge over the Coosa River to the intersection where Friendship Church is located at Rainbow City. Turn right at this intersection (or to the north travelling 0.25 mile to the junction of U.S. 411 (Rainbow Drive)).

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

From this point proceed north 0.8 mile, turning left or to the west on a dirt lane. This lane is located approximately 0.1 mile north of Brown Avenue. Go about 100' west on the dirt lane from the paved road to the monitor point. The field intensity measured at this point should not exceed 14.5 mV/m.

Point #7-Direction of  $309^{\circ}$  true North. Proceed from the transmitter site to Point #6 as described above. From Point #6 continue 1.9 mile north on the paved road to the traffic light. Continue north on the unpaved street 0.47 mile, then left or west 0.18 mile and then right of north 0.2 mile to the entrance to Republic Steel Mills. Republic Steel Mill parking lot is on your right, and point #7 is in the southeast corner of this parking lot. The field intensity measured at this point should not exceed 22.5 mV/m.