

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BR-790124UB
BZ-790221AB

RENEWAL & MODIFICATION
STANDARD BROADCAST STATION LICENSE

Call Sign: K O S Y

FID 7072

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

GATEWAY BROADCASTING COMPANY

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 JUNE 1, 1982

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

1. On a frequency of 790 kHz.
2. With nominal power of 500 watts nighttime and 1 kilo watts daytime,
with antenna input power of 540 watts --- directional
antenna nighttime
and antenna input power of 1.0 kilowatts non directional
antenna daytime

COMMON POINT	current	3.29	amperes
COMMON POINT	resistance	50	ohms,
ANTENNA	current	5.98	amperes
ANTENNA	resistance	28	ohms
3. Hours of operation: UNLIMITED:
Average hours of sunrise and sunset:
Jan. 7:15am to 5:30pm; Feb. 7:00am to 6:00pm;
Mar. 6:30am to 6:30pm; Apr. 5:45am to 6:45pm;
May 5:15am to 7:15pm; June 5:00am to 7:30pm;
July 5:15am to 7:30pm; Aug. 5:45am to 7:00pm;
Sep. 6:00am to 6:30pm; Oct. 6:15am to 5:45pm;
Nov. 6:45am to 5:15pm; Dec. 7:15am to 5:15pm;
CENTRAL STANDARD TIME (NON-ADVANCED)
4. With the station located at: TEXARKANA, ARKANSAS
5. With the main studio located at: Corner Sixth and Walnut Streets
Texarkana, Arkansas
6. Remote control point: Corner Sixth and Walnut Streets
Texarkana, Arkansas
7. Transmitter location:

North Latitude:	33 °	22 '	30 ''
West Longitude:	94 °	01 '	00 ''

2 mi. W. of Hwy. 71 and East-West
gravel road, 4 miles SE of center of
Texarkana, Arkansas

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

Dated: JANUARY 14, 1981

cjb

FEDERAL
COMMUNICATIONS
COMMISSION



File No.: BR-790124UB
BZ-790221AB

Call Sign: KOSY

Date: 1-14-81

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two uniform cross-section, guyed, series-excited vertical steel radiators. KOSY-FM antenna is side-mounted near the top of the SW tower. DA-N

Height above Insulators: 262' (76°)

Overall Height: 267'

Spacing and Orientation: Spaced 720' (207.5°)

Oriented on a line bearing 50° true.

Non-Directional Antenna: SW(#1) other tower floating.
Ground System consists of 120-312' and 120-50' buried copper wire radials about each tower. Bonding ring at 50'. Radials and bonding strap between bonding rings.

2. THEORETICAL SPECIFICATIONS

	Tower	SW(#1)	NE(#2)
Phasing:	Night	0°	-8°
Field Ratio:	Night	1.0	0.90

3. OPERATING SPECIFICATIONS

	Night	0°	-8°
Phase Indication*:	Night	0°	-8°

Antenna Base Current Ratio:	Night	1.0	0.950
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Antenna Monitor
Sample Current Ratio: Night 1.0 0.950

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

BZ-790221AB

Field intensity 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 thirty days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 33° true North. This point is located 2.6 miles in the direction North 33 degrees East from a point midway between the towers. To reach this point proceed East 1.50 miles from the plant entrance along the East-West road to State Highway #237. Turn left onto State Highway #237 and proceed North 0.90 miles to U. S. Highway #71. Proceed North-West 0.45 miles to first unmarked road on right. Turn right and proceed 0.25 miles to unmarked road on left. Turn left and go 1.35 miles to unmarked road on right. Turn right and proceed 0.15 miles to Monitor point #1. Point is in center of road and is identified by a marker set at the fence line on south side of road. The field intensity measured at this point should not exceed 3 mV/m.

Point #2, direction of 59° true North. From Point #1, travel west on road Point #1 is located on to North-South road. Travel South 1.35 miles to dead end. Turn left and proceed South-East 0.25 miles to point of measurement. Point is identified by a marker post set at the fence line on the South side of the road. Measurement should be made in road opposite marker post. The field intensity measured at this point should not exceed 25.5 mV/m.

Point #3, direction of 197° true North. This point is located 1.45 miles in the direction North 197 degrees east from a point midway between the towers. To reach this point proceed west 0.10 mile to Line Ferry Road. Turn left onto Line Ferry Road and proceed southeast and south 1.50 miles to a cross road. Turn right onto side road and proceed west 0.35 mile to a marker post set at the fence line on the south side of the road. Point of measurement is 150 feet south of the marker post in an open field. The field intensity measured at this point should not exceed 23.4 mV/m.

Point #4, direction of 205° true North. This point is located 1.47 miles in the direction North 205 degrees east from a point midway between the towers. To reach this point proceed west 0.25 miles from the point #3 marker post set at the fence line on the south side of the road. Measurement should be made in road opposite marker post. The field intensity measured at this point should not exceed 15.2 mV/m.

Point #5, direction of 220.5° true North. This point is located 1.30 miles in the direction North 220.5 degrees east from a point midway between the towers. To reach this point proceed west 0.30 mile from point #4 and 0.25 mile north to junction of country road. Continue 0.10 mile north of junction on woods road to point of measurement. Point is identified by a marker post set on east side of road at the base of a large tree. Measurement should be made in road opposite marker post. The field intensity measured at this point should not exceed 38.6 mV/m.