

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BR-791001UV
BL-781024AC
Call Sign: K W K

NIGHTTIME SITE
STANDARD BROADCAST STATION LICENSE
RENEWAL & MODIFICATION

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, the LICENSEE

DOUBLEDAY 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 FEBRUARY 1, 1983

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

- On a frequency of 1380 kHz.
- With nominal power of 1 kilo watts nighttime and - watts daytime,
with antenna input power of 1080 watts --- directional Common Point current 4.55 amperes
antenna nighttime Common Point resistance 52 ohms,
and antenna input power of - watts - directional - current - amperes
antenna daytime - resistance - ohms

- Hours of operation: Nighttime:
Jan. 7:15 am to 5:00 pm; Feb. 7:00 am to 5:45 pm;
Mar. 6:15 am to 6:00 pm; Apr. 5:30 am to 6:30 pm;
May 4:45 am to 7:00 pm; June 4:30 am to 7:30 pm;
July 4:45 am to 7:30 pm; Aug. 5:15 am to 7:00 pm;
Sep. 5:45 am to 6:15 pm; Oct. 6:15 am to 5:30 pm;
Nov. 6:45 am to 4:45 pm; Dec. 7:15 am to 4:45 pm;
Central Standard Time (Non-Advanced).

- With the station located at: St. Louis, Missouri
- With the main studio located at: 2360 Hampton Avenue
St. Louis, Missouri
- Remote control point: 2360 Hampton Avenue
St. Louis, Missouri

- Transmitter location: North Latitude: 38° 31' 27"
Davis Street, 0.8 mi. S. of West Longitude: 90° 14' 17"
city limits of E. Carondelet
St. Louis, Missouri

- Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12 & 21.
- Transmitter(s): Type Accepted
- Conditions: ---

Supersede authorization same date to correct monitor points.

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 & 4.

Dated: February 11, 1982

FEDERAL
COMMUNICATIONS
COMMISSION



BR-791001UV

File No.: BL-781024AC

Call Sign: KWK

Date: 2-11-82

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- 2

No. and Type of Elements: Four, guyed, series excited, uniform cross-section, vertical steel towers. Theoretical RMS: 250.9mV/m, night, Standard RMS: 262.8mV/m, night. A communications type and STL antenna are sidemounted on the NW (#3) tower.

Height above Insulators: 393' (200°)

Overall Height: 397'

Spacing and Orientation: The towers are located at the vertices of a parallelogram the long sides of which are 435.75 ft (220°) in length on a line bearing 92° true. The short sides are 257.5' (130°) in length on a line bearing 325° true.

Non-Directional Antenna: None Authorized.

Ground System consists of 120 copper wire radials 285 to 300 feet long equally spaced around each tower, terminating ten feet from the fence, except where limited by the transverse copper straps. In addition, a copper wire screen, 48' square, is installed around each tower base and covered with 6 to 8 inches of gravel.

2. THEORETICAL SPECIFICATIONS

	Tower	SW(1)	SE(2)	NW(3)	NE(4)
Phasing:	Night	0°	4.5°	-103.6°	-99.1°
Field Ratio:	Night	1.0	0.7431	0.7750	0.5760

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	0°	-14°	-120°	-121°
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Antenna Base					
Current Ratio:	Night	1.00	0.704	0.889	0.778

Antenna Monitor					
Sample	Night	1.00	0.77	0.79	0.60

*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:

○
Direction of 56.5° true North. Beginning at the KWK nighttime transmitting site, turn left onto Davis Ferry Road and proceed southeast for 2.3 miles to State Route 3. Turn left and proceed north for 6.4 miles to State Route 157. Turn right and proceed southeast for 1.3 miles to the monitoring point. The measurement is made in the shopping center parking lot one isle west of the Goodyear Tire Center and centered on the southern-most garage doors. This is measurement location number 8 of the survey and is 4.35 miles from the transmitting site. The field intensity measured at this point should not exceed 15.5 mV/m.

○
Direction of 91° true North. Beginning at the KWK nighttime transmitting site, turn left onto Davis Ferry Road and proceed southeast for 2.3 miles to State Route 3. Turn left and proceed north for 4.3 miles, then continue straight ahead (leaving Route 3) for another 1.9 miles to a fork in the road. Take the right fork and proceed southerly for a distance 1.9 miles to the monitoring point. The measurement is made at the entrance to the driveway on the west side of the road. This is measurement location number 6 of the survey and is 3.6 miles from the transmitter site. The field intensity measured at this point should not exceed 7.6 mV/m.

○
Direction of 128.5° true North. Beginning at the KWK nighttime transmitting site, turn left onto Davis Ferry Road and proceed southeast for 2.3 miles to State Route 3. Continue across Route 3 and up a steep hill. Proceed easterly for 2.4 miles to the monitor point. The measurement is made along the north shoulder of the road, 20 paces west of the gravel driveway to the farm house (mailbox #35). This is measurement number 8 of the survey and is 4.3 miles from the transmitting site. The field intensity measured at this point should not exceed 6.5 mV/m.

○
Direction of 200° true North. Beginning at KWK transmitting site, turn left onto Davis Ferry Road and proceed southeast for 2.3 miles to State Route 3. Turn right and proceed south for 1.1 miles to J. B. Bridge Road. Turn right and proceed west for 2.0 miles to a levee road to the left. Turn left and proceed south on the levee road for 2.4 miles to the intersection with a levee road to the left. Turn left and proceed east for 300 feet to the monitor point. The measurement is made along the north edge of the levee road 300 feet east of the intersection. This is measurement location number 3 of the survey and is 5.5 miles from the transmitting site. The field intensity measured at this point should not exceed 12.0 mV/m.

○
Direction of 237.5° true North. Beginning at the KWK transmitting site, turn left onto Davis Ferry Road and proceed southeast for 2.3 miles to State Route 3. Turn right and proceed south for 1.1 miles to J. B. Bridge Road. Turn right and proceed west, across the J. B. Bridge, for 4.6 miles to the Telegraph Road exit. Take the exit for Telegraph Road and proceed 0.25 miles south to the service road south of I-270. Turn left and proceed east on the service road for 0.2 miles to the monitor point. The measurement is made along the north shoulder of the service road 10 feet south of a marked post on the highway fence. This is measurement location number 5 of the survey and is 4.0 miles from the transmitting site. The field intensity measured at this point should not exceed 9.8 mv/m.

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2-11-82

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS: (Cont'd)

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Direction of 305 true North. Beginning at the KWK nighttime transmitting site, turn left onto Davis Ferry Road and proceed southeast for 2.3 miles to State Route 3. Turn right and proceed south for 1.1 miles to J. B. Bridge Road. Turn right and proceed west for 6.4 miles to the exit to Interstate 55 North. Turn right and proceed north for 2.6 miles to the exit to Reevis Barracks Road. Exit and then turn left and proceed west for 0.8 miles to Mac Kensie Road. Turn right and proceed north for 2.3 miles to Ashbury. Turn left onto Ashbury then immediate right onto Hurstgreen, then one block to monitor point at Colleen Avenue. The measurement is made in the center of the intersection. This is measurement location number 7 of the survey and is 5.7 miles from the transmitting site.. The field intensity measured at this point should not exceed 10.7 mv/m.