FCC Form 302
June 1984

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-840723AA

Call Sign: WKYX

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

WKYX, 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: Paducah, Kentucky

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

3. Remote control location: None

4. Transmitter location: Old Mayfield Road, Approx. 4.5 miles south of Paducah Kentucky

North latitude: 37° 00′ 53″
West longitude: 88° 36′ 46″

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

6. Antenna and ground system: Attached page 2

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1 & 21 for (N#1) Tower; 1, 2, 21(S#2) Tower; 1,3, & 21 (E #3) Tower.

8. Frequency (kHz.): 570

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

Antenna input power (kW): 1.08 Day

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 4.65 amperes; resistance 50 ohms.

.54 Night

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 3.29 amperes; resistance 50 ohms.

10. Hours of operation: Specified in (BR-790402I8)
11. Conditions:

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

Dated: APR 3 1985

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FEDERAL COMMUNICATIONS COMMISSION

FILE NO. BZ-840723AA

June 1980
SPECS. FOR DIRECTIONAL OPERATION OF WKYX, Paducah, Kentucky
FREQ: 570 kHz Nominal Power: 1kW Day, 500 Watts Night
Antenna Input Power: 1.08 kW day, 540 W-N Date:

DA- 2

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM
No. and Type of Elements: Three uniform cross-section, guyed, series-excited, steel towers. S(#2) tower supports FM antenna.

Height above Insulators: 430' (90°)

Overall Height: 435'

Spacing and Orientation: With tower (#2) as reference, tower #1 is spaced 431.4' (90°) on a bearing of 20° true, and tower #3 is spaced 1073.8' (224°) on a bearing of 87° true.

Non-Directional Antenna: None used.

Ground System consists of 120 buried copper radials 450' long equally spaced about each tower. Where radials intersect between towers #1 and #2 they are bonded to a copper bus. Copper bus between towers #1 and #3, #2 and #3, and #1 and #3.

2. THEORETICAL SPECIFICATIONS

	TOWER:	N(#1)	S(#2)	E(#3)
Phasing:	NIGHT:	37°	-3°	0°
	DAY:	0°	92.5°	--
Field Ratio:	NIGHT:	0.4	0.833	1.0
	DAY:	1.0	1.12	--

3. OPERATING SPECIFICATIONS

Phase Indication*:	NIGHT:	-75°	-109°	0°
	DAY:	0°	-95.5	--
Antenna Base Current Ratio:	NIGHT:	0.45	0.882	1.0
	DAY:	1.0	0.918	--
Antenna Monitor Sample Current Ratio:	NIGHT:	0.45	0.930	1.0
	DAY:	1.0	0.915	--

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

Field measuring equipment shall be availabla at all times, and the field intensity at each of the monitoring points shall be measured at least once every month and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 54° True North. From the turnoff at Husband's Road for the 65° monitor point go .75 miles north on Husband's Road to Estes Rd. on the right just before a left in Husband's Rd. Go down this road to the right .7 mile to an open span in the power line. The monitor point is in the center of the road 200 feet before a stucco house on the right. The distance from the monitor to the non-directional radiator is 2.75 miles. The field intensity measured at this point should not exceed 19 mv/m. NIGHT.

Direction of 65° True North. From the 105° Night time monitor point proceed North on Husband's Road 1.25 miles to Eich Road on the right. Turn down this paved road and go .5 mile to dirt road on the left (just past the railroad tracks). The monitor point is 100 feet down this dirt road to the left. The distance to the non-directional radiator is 2 miles. The field intensity measured at this point should not exceed 17.5 mv/m NIGHT.

Direction of 105° True North. From the 150° night time nonitor point follow Husband's Road north 1.4 miles to an old oak tree. (This oak tree is .4 miles past the flood wall). The monitor point is located 25 feet to the left of the edge of Husband"s road. The distance to the non-directional radiator is 1 mile. The field intensity measured at this point should not exceed 51 mv/m NIGHT.

Direction of 150° True North. From the 172 day time monitor point proceed .75 mile further down the Kreb Station Road to a hard surface road (Husband's Road) turning to the right. Go down this road .15 mile to a lane on the right. The monitor point is 100 feet down this lane. The distance to the non-directional radiator is 1.75 miles. The field intensity measured at this point should not exceed .98.5 mV/m night.

Direction of 172° True North. From the 185° day time monitoring point proceed .28 mile further down Kreb Station Road to a hill just pass a mailbox marked "George Hann." The monitor point is in the center of the road at the top of the hill by a large oak tree. The distance to the transmitter is 1.41 miles. The field intensity measured a this point should not exeed 19.5 mV/m Day.

Direction of 185° True North. From the private road entering the WKYX transmitter-property proceed South on Old Mayfield Rd. 1.2 miles to Kreb Station Rd. Turn left down this road .25 mile. The monitor point is in the middle of the road on top of the rise at a slight left bend in the road. A solitary house is close by. The distance to the transmitter is 1.42 miles. The field intenisty measured at this point should not exceed 10.9 mv/m DAY.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS: (Continued)

Direction of 240° True North. From the private road entering thw WKYX transmitter property go South on Old Mayfield Rd. .5 mile to Clark's Rd. to the right. Go down this road .6 mile. The monitor point is in the center of the road 50 feet past the second creek. Ths distance to the non-directional radiator is 1.1 mile. The field intensity measured at this point should not exceed 89.6 mV/m Night.

Direction of 313.5° True North. From the private road entering the WKYX transmitter property go 2.3 miles North on Old Mayfield Rd to Hendron School on the left. Turn left down Hendron School on the north side of the school and go .2 mile to the first road on the right. Turn right down thsi road and go 1 mile to a gravel lane on the left jus tbeyond a left turn in the road. The monitor point is 150 feet up gravel lane and in the center of the lane. The distance to the non-directionsl radiator is 2.75 miles. The field intensity measured at this point should not exceed 9.3 mv/m NIGHT.

Direction of 324° True North. From the 313.5° monitor point proceed further down the road .5 mile Hwy. #45. Then turn right on U.S. Hwy. #45 and go .7 mile to Kennedy Rd. to the left jus t beyond the creek. The monitor point is 200 feet down to Kennedy Rd. and in the center of the Rd. The distance to the non-directional radiator is 3.25 mile. The field intensity measured at this point should not exceed 19.5 mv/m. NIGHT