FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

File No. : BL-880318A.

Call Sign WSAI ~~WCKY~~

LICENSEE:

PATHFINDER COMMUNICATIONS CORP.

1. Community of License ..... : Cincinnati, OH

2. Transmitter location ..... : 1100 Radio Road
Villa Hills, KY

North latitude ..... : 39 ° 03 ' 55 "
West longitude ..... : 84 ° 36 ' 27 "

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

4. Main Studio location: (See Section 73.1125)

5. Remote control location:
219 Maryland Street
Cincinnati, OH

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12 & 21 towers #2, #3 & #4.
1, 3, 12 & 21 tower #1.

8. Frequency ..... : 1530 kHz

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

Antenna input power (kW) :

50 Day ☒ Non-directional antenna: ☐ Directional antenna : current 30.15 amperes; resistance 55 ohms.

52.6 Night ☐ Non-directional antenna: ☒ Directional antenna : current 32.4 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BP-860530AJ

11. Conditions ..... :

9/15/88 - Superseded to correct electrical tower height.

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 is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time October 1, 1989.

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.

The license is issued on the licensee's representation that the statements contained in the 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 the 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

Dated: AUG 31 1988 JDS/ajs

FEDERAL COMMUNICATIONS COMMISSION

SEP 30 1988

SEP 6 1988

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File NO. 860530AJ **Call Sign:** WCKY (AM) **Date:** 4/1/88

DA-2

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Three (3) vertical, guyed, series excited steel radiators of uniform cross section. Theoretical RMS: 2730.5 mV/m @1 KM. STL & TSL antennas are side mounted near top (#3) tower.

Height above Insulators: West Central Tower 350' (196°); West Central & East towers 300' (168°)

Overall Height: West Central Towers 355', West Central & East Towers 305'.

Spacing and Orientation: West (#2) tower spaced 393' (220°) on a bearing of 280° True for East Central (#1) Tower. West Central (#3) Tower spaced 203.5' (113.97°) on bearing of 290.612° True from Central (#1) Tower. East Tower (#4) spaced 196' (110°) on a bearing of 89° True from East Central (#1) Tower.

Non-Directional Antenna: East Central (#1) Tower with East and West Central Towers disconnected form transmitter input. Theoretical efficiency: 405.55 mV/m/kW @ 1km.

Ground System consists of Around each Tower 120 uniformly spaced, 200' (except when they intersect between towers or are limited by property boundaries) copper radials plus 120 copper radials 50' in length interspaced between the longer radials.

2. **THEORETICAL SPECIFICATIONS**

	Tower	EC(#2)	W(#4)	WC(#3)	E(#1)
Phasing:	Night	0°	-30°	-111°	-81°
Field Ratio:	Night	1.0	.39	.30	.76

3. **OPERATING SPECIFICATIONS**

Phase Indication*:	Night	77°	-49°	-34	0°
Antenna Base Current Ratio	Night	1.096	0.272	0.681	1.00

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DESCRIPTION OF AND FIELD INTENSITY MEASURED AT THIS POINT:

Direction of 53.5° true North. From the transmitter site proceed South to Amsterdam Road. Turn right (West) and continue 1.5 miles West/N.W. on winding road to T intersection with Hy. 8 at the Ohio River. Turn left (West) and proceed 0.2 miles on Hy. 8 to Anderson Ferry Road. Cross North across the Ohio River on Anderson Ferry to Rt. 52 just North of River. Turn right (East) on 52 for 2.05 miles to Idaho St. on the Right (South) side of Rt. 52. Turn right (South) on Idaho St. for through oil tank fields to wire gate on the Right (South) side of road. The 53.5° Night Monitor Point is 30 paces South on cleared area beyond this gate 1.96 miles from the transmitter site. The field intensity measured at this point should not exceed 400 mV/m. 300 ×

Direction of 249.5° true North. Return South across the Ohio River via the Anderson Ferry to Hy. 8. Turn left (East) 0.1 miles to Point Pleasant Road on the Right (South). Follow the point Pleasant Road Souththrough woods bypassing Mineola Rd. intersection 1.5 miles to T junction with Hy. 236. The 249.5° Night monitor point is 0.5 left (Southwest) of this junction just before Hy. Speed limit Sign 2.05 miles from the transmitter site. The field intensity measured at this point should not exceed 50.5 mV/m. 45.

Direction of 270.5° true North. From the 249.5° true North. Monitor point reverse direction and proceed North and West on Hy. 236 1.15 miles to Hy. 212 North Entrance Ramp. Drive North on 212 0.75 miles to T junction with Hy. Ky. 20. Turn left (West) on Ky. 20 for 1.85 miles crossing over Hy. 275 to Conner Road on the left (West). Follow Conner Road SW 0.1 miles. The 270.5° Night Monitor Point on the N.W. side of this road off the corner of a red brick house 4.1 miles from the transmitter site. The field intensity measured at this point should not exceed 15 mV/m. 23½ 2.0 dB