

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BL-941209AB  
FAC ID: : 5349  
Call Sign : WWCS

LICENSEE: Birach Broadcasting Corporation

- 1. Community of License . . . : Canonsburg, PA
- 2. Transmitter location. . . . : Angerer Road  
Canonsburg, PA

North Latitude . . . . . : 40° 17' 22"  
West Longitude . . . . . : 80° 11' 07"

- 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)  
Angerer Road  
Cannonsburg, OH
- 5. Remote control location

6. Antenna and ground system:

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12 & 21

8. Frequency . . . . . : 540 kHz

9. Nominal power (kW) . . . . . : 5.00 Day 0.5 Night

Antenna input power (kW) :

5.40	Day	<input type="checkbox"/> Non-directional antenna:	current	10.39	amperes:	resistance	50	ohms.
		<input checked="" type="checkbox"/> Directional antenna :						
0.54	Night	<input type="checkbox"/> Non-directional antenna:	current	2.39	amperes:	resistance	.50	ohms.
		<input checked="" type="checkbox"/> Directional antenna :						

10. Hours of operation : Unlimited

11. Conditions . . . . . :

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,<sup>1</sup> 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

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.

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 control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

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COMMUNICATIONS  
COMMISSION



<sup>1</sup> This license consists of this page and pages

Dated: JUL 28 1995

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**1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Two (2), guyed, series-excited steel radiators of uniform cross-section. Theoretical RMS: 661.04 mV/m, day; 210.9 mV/m, night. Standard RMS: 694.49 mV/m, day; 221.69 mV/m, night. Q factor: 22.4, day; 10.0 night.

Height above Insulators: 97.8 m (63.5°)

Overall Height: 98.8 m

Spacing and Orientation: Towers are spaced 80° apart on a line bearing of 334° T.

Non-Directional Antenna: None used.

Ground System consists of 120 buried copper radials 138.7 m in length, plus 120-12.5 m radials interspersed between long radials.

**2. THEORETICAL SPECIFICATIONS**

	Tower	#1(SE)	#2(NW)
Phasing:	Night:	0°	107.3°
	Day:	0°	80°
Field Ratio:	Night:	1.000	0.778
	Day:	1.000	0.910

**3. OPERATING SPECIFICATIONS**

**Phase Indication\*:**

Night:	0°	109°
Day:	0°	80°

**Antenna Base**

**Current Ratio:**

Night:	1.000	1.218
Day:	1.000	0.905

**Antenna Monitor Sample**

**Current Ratio:**

Night:	1.000	1.235
Day:	1.000	0.920

\* As indicated by Potomac Instruments AM-19 (204) Antenna Monitor.  
Antenna sampling system approved under Section 73.68 (b) of the Rules.

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**DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:**

**Direction of 334° True North.** Proceed out of the transmitter site drive to Angerer Road. Turn left and proceed west approximately 0.3 miles to a "T" intersection with Burnside Road. Turn right and proceed North approximately 1.15 miles to a "Y" intersection with Papp Road. Turn right onto Papp Road and proceed approximately 0.2 miles to the point. The point is located on the West shoulder of the road across from a mailbox for house # 206. This is point # 12 on the radial and is located 2.18 kilometers from the transmitter site. The field intensity measured at this point should not exceed 63.9 mV/m. Daytime.

**Direction of 309.5° True North.** From the station driveway turn left and proceed west for a distance 0.3 miles to a "T" intersection with Burnside Road. Turn right onto Burnside Road and proceed North for a distance of 1.65 miles to an intersection with Muse-Bishop Road (SR 1005). Turn left onto Muse-Bishop road (SR 1005) and proceed South for a distance of 1.0 mile to an intersection with a paved (unmarked) road on the left. Turn left onto the paved road, cross a small bridge and turn left at the second side street (Acorn Street). Proceed on Acorn Street for a distance of 0.25 miles to a left turn in the road. The point is located on the inside shoulder of this turn at the beginning of a concrete curb. This is point No. 7. The field intensity measured at this point should not exceed 34 mV/m. Nighttime.

**Direction of 358.5° True North.** From the station drive, turn left and proceed west for a distance of 0.3 miles to a "T" intersection with Burnside Road. Turn right on Burnside Road and proceed North for a distance of 1.15 miles to a "Y" intersection with Papp Road. Turn right onto Papp Road and proceed for a distance of 0.8 miles to the point. The point is located 250 feet down a dirt oil well service road to the North of Papp Road, and is in front of a gate at the center of the road. This is point No. 11. The field intensity measured at this point should not exceed 17.9 mV/m. Nighttime.