

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BZ-920903AA

Call Sign : W I N A

LICENSEE:

CHARLOTTESVILLE BROADCASTING CORPORATION

1. Community of License .....: Charlottesville, VA

2. Transmitter location .....: Lambs Road  
Charlottesville, VA

North latitude .....: 38 ° 05 ' 22 "

West longitude .....: 78 ° 30 ' 14 "

6. Antenna and ground system: A T T A C H E D

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)  
104 4th Street, NE  
Charlottesville, VA

5. Remote control location:  
104 4th Street, NE  
Charlottesville, VA

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 11 & 21

8. Frequency .....: 1070 kHz

9. Nominal power (kW) .....: 5.0 Day 5.0 Night

Antenna input power (kW):

5.0 Day ☒ Non-directional antenna: current 9.71 amperes; resistance 53 ohms.  
☐ Directional antenna

5.4 Night ☒ Non-directional antenna: current 10.4 amperes; resistance 50 ohms.  
☐ Directional antenna

10. Hours of operation: Specified in BS-2346

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

October 1, 1995

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.

<sup>1</sup> This license consists of this page and pages 2 & 3

Dated: MAR 25 1993

FEDERAL  
COMMUNICATIONS  
COMMISSION



NPS:y1

File NO. BZ-920903AA

Call Sign: W I N A

## 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

**No. and Type of Elements:** Four (4) uniform cross-section, guyed, series excited vertical radials. Theo. RMS: 690.92 mV/m, Day; 659.83 mV/m, Night. Aug. RMS: 695.88 mV/m, Night. All values at 1 km.  $Q = 15.385$  Night.

**Height above Insulators:** 73.15 m (94')

**Overall Height:** 74.68 m

**Spacing and Orientation:** Spaced 77.72 m (100') on a line bearing 332° T.

**Non-Directional Antenna:** Tower S(#1). Theo. efficiency: 308.99 mV/m/kW at one km.

**Ground System consists** 120 evenly spaced, buried, copper radials 70.10 m in length plus 120 interspaced radials 15.24 m in length about the base of each tower. Intersecting radials bonded together where they intersect.

## 2. THEORETICAL SPECIFICATIONS

	Tower	S(#1)	SC(#2)	NC(#3)	N(#4)
<b>Phasing</b>					
	Night	-124°	0°	127°	-106°
<b>Field Ratio:</b>					
	Night	0.38	1.0	0.95	0.37

## 3. OPERATING SPECIFICATIONS

<b>Phase Indication*:</b>					
	Night	-116.5°	0°	117°	-141.8°
<b>Antenna Base Current Ratio:</b>					
	Night	0.258	1.00	0.969	0.383
<b>Antenna Monitor Sample Current Ratio:</b>					
	Night	0.280	1.00	0.950	0.383

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

Antenna sampling system approved under Section 73.68(b) rules.

**DIRECTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:**

**Direction of 52° True North.** From the transmitter site, proceed left (east) on Lambs Road 1.6 km to the Hydraulic Road. Turn left and drive on Hydraulic Road 1.13 km to a "T" intersection with Route 743. Follow Route 743 north 5.9 km to intersection with Route 643 at Rivanna. Turn right onto 643 and continue south 0.80 km to a wooded lane on the right (west), opposite the "Templeton Acres" development. The 52° night monitor point is in the lane entrance, 5.3 km from the transmitter site. **The field intensity measured at this point should not exceed 2.4 mV/m.**

**Direction of 2° True North.** From the 52° monitor point return to Route 643/743 intersection at Rivanna and turn (southwest) on 743. Proceed 4.7 km across the Ivy Creek Bridge to junction with Route 676. Turn right onto 676 and drive northwest 3.6 km to open field with small lane opposite brick house in new development. The 2° night monitor point is on the right (north), approximately 100 feet or 40 paces along the lane into the field 2.1 km from the transmitter. **The field intensity measured at this point should not exceed 9.8 mV/m.**

**Direction of 332° True North.** From the 2° monitor point continue west (straight ahead) on Route 676, 2.1 km to the driveway at mailbox # 259 by the VEPCO pole # F127 on the right (north). The 332° night monitor point is on the left (south) side of Route 676, opposite driveway entrance. The driveway entrance. The driveway entrance is 3.2 km from the transmitter site. **The field intensity measured at this point should not exceed 20.0 mV/m.**

**Direction of 302° True North.** From the 332° monitor point continue west (straight ahead) on Route 676, 1.9 km to the "T" intersection with Route 601. Turn left on combined Routes 601/676 and proceed southwest 0.32 km to the "Rolling Hills" driveway on the right (west). The 302° night monitor point is in driveway entrance, 4.3 km from the transmitter site. **The field intensity measured at this point should not exceed 6.8 mV/m.**

**Direction of 252° True North.** From the 302° monitor point continue straight ahead (south) on Route 601/676, 0.97 km to the "T" junction with Routes 676 west/601 east. Turn left (east) on Route 601 and proceed 3.38 km to the fence grass clearing on the right (west) of the roadside. The 252° night monitor point is at the south edge of clearing near a road curve sign about 3.1 km from the transmitter site. **The field intensity measured at this point should not exceed 13.8 mV/m.**