FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. : BZ-940414AA

AM BROADCAST STATION LICENSE

Call Sign : WXVI

LICENSEE: Capital Communications

BacID# 63977

1. Community of License. . . : Montgomery, AL

2. Transmitter location. . . . : End of Blackburn St.
Montgomery, AL

North Latitude. . . . . : 32° 23' 40"
West Longitude . . . . . : 86° 17' 21"

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)*
One WCOV Avenue
Montgomery, AL

5. Remote control location
One WCOV Avenue
Montgomery, AL

6. Antenna and ground system:
Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None Required

8. Frequency. . . . . : 1600 kHz

9. Nominal power (kW). . . . . : 5.0 Day 1.0 Night

Antenna input power (kW) :

5.4 Day ☐ Non-directional antenna: ☒ Directional antenna : current 10.0 amperes: resistance 54.0 ohms.

1.08 Night ☐ Non-directional antenna: ☒ Directional antenna : current 4.5 amperes: resistance 53.3 ohms.

10. Hours of operation : BL-790601AA

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,[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

April 1, 1996

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

EAL:rao

[1] This license consists of this page and pages 2 & 3

Dated: JUN 30 1994

FEDERAL COMMUNICATIONS COMMISSION

FCC Form 353-A
June 1980

File No.: BZ-940414AA **Call Sign:** WXVI

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Two guyed, series-excited, vertical radiators of uniform cross-section. Theoretical RMS: 704.10 mVm, Day; 312.21 mV/m, Night. Augmented RMS: 739.68 mV/m, Day; 327.99 mV/m, Night. Q: 22.361, Day; 10.0, Night. All are @ 1 km.

Height above Insulators: 45.72m (88°)

Overall Height: 47.24 m

Spacing and Orientation: Towers are 151.5 m (291°) apart on a bearing of 18° True.

Non-Directional Antenna: None used.

Ground System consists of 120 equally spaced radials 60.96 m long around each tower, plus a 7.32 m square copper mesh screen at the base of each tower and a .10 m copper ribbon between towers and transmitter building.

2. **THEORETICAL SPECIFICATIONS**

Towers:		N(#2)	S(#1)
Phasing:	Night:	-63°	0°
	Day:	-63°	0°
Field Ratio:	Night:	0.700	1.000
	Day:	0.550	1.000

3. **OPERATING SPECIFICATIONS**

Phase Indication*:

Night:	-63°	0°
Day:	-63°	0°

Antenna Base Current Ratio:

Night:	0.949	1.000
Day:	0.857	1.000

Antenna Monitor Sample Current Ratio:

Night:	0.95	1.000
Day:	0.85	1.000

* **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 MEASURED AT MONITORING POINTS:

Direction of 51.5° True North. From entrance to the transmitter turn north on Lower Wetumpka Road. Proceed 1.9 miles on Lower Wetumpka Road to entrance ramp for Northern By-Pass. Turn right and proceed 2.05 miles on Northern By-Pass to monitor point on south side of road. Distance to array is 2.98 miles. The field intensity measured at this point should not exceed 23 mV/m DAYTIME and 6.5 mV/m, NIGHTTIME.

Direction of 131.5° True North. From entrance to the transmitter turn north on Lower Wetumpka Road. Proceed 1.9 miles on Lower Wetumpka Road to entrance ramp for Northern By-Pass. Turn right and proceed 3.1 miles to Federal Drive. Turn right on Federal Drive and proceed 4.2 miles to Capitol Heights Jr. High School. Monitor point is at entrance drive to school. Distance from array is 1.34 miles. The field intensity measured at this point should not exceed 68.4 mV/m, DAYTIME and 16.3 mV/m, NIGHTTIME.

Direction of 264.5° True North. From entrance to the transmitter turn north on Lower Wetumpka Road. Proceed 1.9 miles on Lower Wetumpka Road to entrance ramp for Northern By-Pass to monitor point on median 50 feet east of bridge. Distance from array is 1.67 miles. The field intensity measured at this point should not exceed 98.2 mV/m, DAYTIME and 31 mV/m, NIGHTTIME.