

7-17  
FBI 14 717

**AM BROADCAST STATION LICENSE**

Call Sign : W C B C

**LICENSEE:**

Cumberland Broadcasting Company

- 1. Community of License .....: Cumberland, MD
- 2. Transmitter location .....: On Wills Mountain approx. 2 miles NW of Center of Cumberland, MD
- North latitude .....: 39° 40' 28"
- West longitude .....: 78° 46' 48"

- 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)  
**35 Baltimore Street**  
Cumberland, MD
- 5. Remote control location:  
Same

6. Antenna and ground system: Attached

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

8. Frequency .....: 1270 KHz

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

Antenna input power (kW):

5.4	Day	<input type="checkbox"/> Non-directional antenna:	10.4	amperes:	50	ohms.
		<input checked="" type="checkbox"/> Directional antenna				
1.08	Night	<input type="checkbox"/> Non-directional antenna:	4.65	amperes:	50	ohms.
		<input checked="" type="checkbox"/> Directional antenna				

10. Hours of operation: Specified in BRC-3863

11. Conditions .....

BS-930719: To update the 60° monitor point location description.

**9/16/93:** This supersedes previous authorization to correct items #4 & #5 per Letter dated August 23, 1993.

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 AM, 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.



FCC Form 353-A  
June 1980

File No.: BS-930719

Call Sign: WCBC

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two (2) uniform cross-section, guyed, series-excited vertical steel radiators. Theo. RMS: 701.67 mV/m, Day; 291.12 mV/m, Night. Aug. RMS: 737.56 mV/m, Day; 311.44, Night. Q = 22.361, Day; 10.00, Night. All values at one km.

Height above Insulators: 57.91 m (88.3°)

Overall Height: 59.44 m

Spacing and Orientation: 59.01 (90°) on a line bearing 347° true.

Non-Directional Antenna: None used.

Ground System consists of 120-57.91 m equally spaced buried copper radials about base of each tower. Radials are shortened and bonded to transverse copper strap midway between towers.

2. THEORETICAL SPECIFICATIONS

	Tower	# 1(S)	# 2(N)
Phasing:	Night:	0°	115.5°
	Day:	0°	157.0°
Field Ratio:	Night:	1.0	0.9
	Day:	1.0	2.25

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night:	0°	117°
	Day:	-159.5°	0°
Antenna Base Current Ratio:	Night:	1.00	0.905
	Day:	0.44	1.00
Antenna Monitor Sample Current Ratio:	Night:	1.00	0.86
	Day:	0.45	1.00

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

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DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 31° true North. Proceed from transmitter driveway and turn left on one-lane road northward along the top of Wells Mountain for a distance of approximately 4 miles to the Maryland Pennsylvania State line. Walk 20 paces north into Pennsylvania from the intersection of the road and the state line to a spot marked by a rock pile on the Gas Line right-of-way running adjacent to the state line. The distance to the transmitter is 3.9 miles. The field intensity measured at this point should not exceed 0.79 mV/m, Nighttime.

Direction of 60° true North. Proceed from transmitter driveway down Willis Mountain 1.3 miles to Piedmont Avenue. Turn right onto Piedmont Avenue, 0.3 miles to Columbia Avenue. Turn left onto Columbia Avenue, 0.5 miles to Valley Street. Turn left onto Valley Street (Road), 2.85 mile, just beyond a concrete culvert to rural route mailboxes 511 and 511A, (Guyer and Seeders). Proceed west approximately 12 paces from behind these mailboxes to the monitoring point in the field. Note...mailboxes are located south of a utility pole marked C&P #101 and P.E. Company #C16997 about 95 feet. This point is 2.2 miles from transmitter. The intensity measured at this point should not exceed 37.6 mV/m, Daytime.

Direction of 303° true North. Proceed from transmitter driveway down Willis Mountain 1.3 miles to Piedmont Avenue. Turn right on Piedmont Avenue for 0.3 miles to Columbia Avenue. Turn left on Columbia Avenue for 0.5 miles to Valley Street. Turn right on Valley Street for 0.1 miles to Henderson Boulevard (Route 40). Turn right on Route 40 for 1.5 miles to stoplight at Route 36. Bear right on Route 36 for 1.95 miles to Cash Valley Road. Turn left on Cash Valley Road for 0.9 miles to utility pole numbered CV-134. Walk up across small field on opposite side of road from CV-134, 60 paces to edge of woods. Monitoring is in line with pole CV-134 and house on opposite side of creek. This is 1.28 miles from transmitter. The field intensity measured at this point should not exceed 6.0 mV/m, Nighttime.

Direction of 347° true North. Proceed from transmitter driveway down Willis Mountain 1.3 miles to Piedmont Avenue. Turn right on Piedmont Avenue for 0.3 miles to Columbia Avenue. Turn left on Columbia Avenue for 0.5 miles to Valley Street. Turn right on Valley Street for 0.1 miles to Henderson Boulevard (Route 40). Turn right on Route 40 for 1.5 miles to stoplight at Route 36. Bear right on Route 36 for 2.1 miles to Route 35. Turn right on Route 35 for 0.8 miles to a dirt road (marked by a school bus shelter.) Turn left on the dirt road for 0.38 miles to the monitoring point area. The monitoring point is located 12 paces south of the dirt road on line with a large tree and utility pole. The utility pole is situated by a cleared "turn around" area. This 2.18 miles from transmitter. The field intensity measured at this point should not exceed 18.87 mV/m, Nighttime; and 113.4 mV/m, Daytime.