

AM BROADCAST STATION LICENSE

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

CAPITAL CITIES COMMUNICATIONS, INC.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time in accordance with the following:

JUNE 1, 1984

1. Station location: Buffalo, New York
2. Main Studio location: (Listed only if not at transmitter site or not within boundaries of principal community)
3. Remote control location: 695 Delaware Ave. 14209 Buffalo, New York
4. Transmitter location: Big Tree Road Hamburg, New York
North latitude: 42° 46' 10"
West longitude: 78° 50' 34"
5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)
6. Antenna and ground system: See Page 2
7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 12 & 21.
8. Frequency (kHz.): 1520
9. Nominal power (kW): 50.0 Day
50.0 Night
- Antenna input power (kW): 52.5 Day
52.5 Night
☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 32.4 amperes; resistance 50.0 ohms.
- ☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 32.4 amperes; resistance 50.0 ohms.
10. Hours of operation: Specified in construction permit or Previous Authorization
11. Conditions:

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.

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



AUG 28 1985

File NO.: BZ-850513AI

Call Sign: WKBW

Date:

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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three, uniform cross-section, guyed, series-excited vertical radiators. Theoretical RMS: 2776.12 mV/m @ one km.

Height above Insulators: 350' (195°)

Overall Height: 358'

Spacing and Orientation: 215' (120°) line of towers bears 77° true. The East tower is common to both WKBW & WGR arrays.

Non-Directional Antenna: None Used.

Ground System consists of 120 equally spaced radials 350' in length shortened and bonded to transverse strap, plus a 50' by 50' ground screen about each tower.

2. THEORETICAL SPECIFICATIONS

	West Tower (3)	Center Tower (2)	East Tower (1)
Phasing: Day & Night 136°		69.63°	0°

Field Ratio:

Day & Night 1.0

1.995

1.0

3. OPERATING SPECIFICATIONS

Phase Indication*:

Day & Night 88.3°

0°

-86.7°

Antenna Base

Current Ratio:

Day & Night 0.259

1.00

0.615

Antenna Monitor Sample

Current Ratio:

Day & Night 0.427

1.00

0.612

*** As indicated by** Potomac Instruments AM-19D(210

EXEMPTIONS AS LISTED IN 73.68(b) WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

Field intensity measured equipment shall be available at all times and field intensity at each of the monitoring point shall be measured at least once every thirty days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY OF MONITORING POINTS:

Direction of 156° true North. From the WKBW transmitter site, proceed 0.33 mile east on Big Tree Road to Bay View Road. Turn right and go 0.78 mile southeast to U.S. Route 62. Turn right and go 1.85 miles south to the entrance to the Erie County Fairgrounds. Turn left into the fairgrounds. The monitor point is on the entrance road, 250 feet east of Route 62. Distance from transmitter is 2.36 miles. The field intensity measured at this point should not exceed 640 mV/m.

Direction of 223° true North. From the WKBW transmitter site, proceed 0.33 miles east on Big Tree Road to Bay View Road. Turn right and go 0.78 miles southeast to U.S. Route 62. Turn right and proceed 0.1 miles to U.S. Route 20. Turn right and proceed 3.0 miles to Rogers Road. Turn right and go 0.2 miles to entrance to Bethlehem Management Club. Turn left into drive and proceed southwest to corner of Club parking lot. Monitor point is at south edge of parking lot opposite last light pole. Distance from transmitter is 2.73 miles. The field intensity measured at this point should not exceed 71.0 mV/m.

Direction of 249° true North. From the WKBW transmitter site, proceed 1.1 miles west on Big Tree Road to Route 5. Turn left and proceed 1.5 miles southwest to Roger Road. Turn left and proceed 0.05 mile to ballfield. Monitoring point is in ballfield, 50 feet southeast of gate to firehouse parking lot. Distance from transmitter is 2.22 miles. The field intensity measured at this point should not exceed 24.3 mV/m.

Direction of 267° true North. From the WKBW transmitter site, proceed 1.1 miles west on Big Tree Road to Route 5. Turn left and proceed 0.4 mile to Beach Avenue. Turn left and proceed 0.1 mile to 4290 Beach Avenue. Monitor point is in driveway to house, 20 feet from the road. Distance from transmitter is 1.32 miles. The field intensity measured at this point should not exceed 67 mV/m.

Direction of 285° true North. From the WKBW transmitter site, proceed 1.05 miles west on Big Tree Road to the hot dog stand on North. Monitor point is in parking lot, 50 feet north of road. Distance from transmitter is 1.05 miles. The field intensity measured at this point should not exceed 175 mV/m.