



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

---

KIMTRON, INC.  
P. O. BOX 3003  
BLUE BELL, PA 19422

---



---

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

---

Facility Id: 27668

Call Sign: WDCZ

License File Number: BML-20150209AEM

Grant Date: May 27, 2015

This license expires 3:00 a.m.  
local time, June 01, 2022.

License to change the antenna monitor.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 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. 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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

Jan.	7:45 AM	5:00 PM	Jul.	4:45 AM	7:45 PM
Feb.	7:15 AM	5:45 PM	Aug.	5:15 AM	7:15 PM
Mar.	6:30 AM	6:15 PM	Sep.	6:00 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	5:00 AM	7:30 PM	Nov.	7:00 AM	5:00 PM
Jun.	4:30 AM	8:00 PM	Dec.	7:45 AM	4:45 PM

Callsign: WDCZ

License No.: BML-20150209AEM

Name of Licensee: KIMTRON, INC.

Station Location: BUFFALO, NY

Frequency (kHz): 970

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 44 Min 41 Sec

Longitude: W 78 Deg 53 Min 13 Sec

Night

Latitude: N 42 Deg 44 Min 41 Sec

Longitude: W 78 Deg 53 Min 13 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 5.0 Night: 5.0

Antenna Input Power (kW): Day: 5.4 Night: 5.4

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 10.39 Night: 10.39

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1033428	
2	1033429	
3	1033430	
4	1033431	
5	1033432	

Night:

Tower No.	ASRN	Overall Height (m)
1	1033428	
2	1033429	
3	1033430	
4	1033431	
5	1033432	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 663.05 Night: 663.05

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 705.94 Night: 705.94

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	84.0
2	2.6600	160.600	100.0000	169.500	0	84.0
3	3.5200	-35.000	200.0000	169.500	0	84.0
4	2.6600	129.100	300.0000	169.500	0	84.0
5	1.0000	-70.000	400.0000	169.500	0	84.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	15.0	40.0	1319.66
2	35.0	26.2	523.04
3	35.0	10.0	604.07
4	48.1	19.8	157.72
5	48.1	10.0	160.93
6	78.1	14.8	51.50
7	78.1	10.0	64.37
8	85.5	14.8	88.51
9	93.0	14.6	117.48
10	100.3	14.6	119.09
11	107.6	14.6	104.61
12	118.9	22.6	80.47
13	130.2	13.8	80.47
14	137.1	13.8	93.34
15	208.8	11.2	62.76
16	225.7	11.2	62.76
17	256.5	17.0	88.51
18	287.5	15.0	98.97

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	84.0
2	2.6600	160.600	100.0000	169.500	0	84.0
3	3.5200	-35.000	200.0000	169.500	0	84.0
4	2.6600	129.100	300.0000	169.500	0	84.0
5	1.0000	-70.000	400.0000	169.500	0	84.0

\* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	15.0	40.0	1319.66
2	35.0	26.2	523.04
3	35.0	10.0	604.07
4	48.1	19.8	157.72
5	48.1	10.0	160.93
6	78.1	14.8	51.50
7	78.1	10.0	64.37
8	85.5	14.8	88.51
9	93.0	14.6	117.48
10	100.3	14.6	119.09
11	107.6	14.6	104.61
12	118.9	22.6	80.47
13	130.2	13.8	80.47
14	137.1	13.8	93.34
15	208.8	11.2	62.76
16	225.7	11.2	62.76
17	256.5	17.0	88.51
18	287.5	15.0	98.97

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-108	0.335
2	-50.6	0.773
3	0	1
4	50.2	0.714

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
5 96.6	0.268

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 -108	0.335
2 -50.6	0.773
3 0	1
4 50.2	0.714
5 96.6	0.268

Antenna Monitor: POTOMAC INSTRUMENTS 1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
48.1	6.97	22
61	5.18	19.8
78.1	5.86	11.4
169.5	3.17	100.3
208.8	4.7	11.4
231.5	6.61	5.9

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
48.1	6.97	22
61	5.18	19.8
78.1	5.86	11.4
169.5	3.17	100.3
208.8	4.7	11.4
231.5	6.61	5.9

Special operating conditions or restrictions:

- 1 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

## Special operating conditions or restrictions:

## 2 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Five (5) tapered, self-supporting, series-excited vertical radiators.

Ground System consists of 120 equally spaced, buried copper wire radials 77.4 meters in length plus a 14.6 m square ground screen about the base of each tower. Intersecting radials are shortened and bonded to transverse copper strap midway between adjacent elements.

## 3 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 48.1° True North: Leaving parking lot, turn right on cloverbank to "T" at Rogers. Turn right and proceed 0.5 miles to Southwestern Blvd. (US #20). Turn left and proceed 3.0 miles to South Park Ave. Turn left and proceed 1.55 miles to Mundy Street. Turn right one block to Harrison. The point is at the SW corner of this intersection. Distance from the array is 4.33 miles. The field intensity measured at this point should not exceed 22.0 mV/m.

Direction of 61° True North: From the 48.1° MP, turn around and return to South Park Avenue. Turn left and proceed 1.5 miles to Bay View Road. Turn right and proceed 0.35 miles to Frontier High School. Point is at the north edge of the parking lot in front of building. Distance from the array is 3.22 miles. The field intensity measured at this point should not exceed 19.8 mV/m.

Direction of 78.1° True North: From the 61° MP, turn right (SE) on Bay View and proceed 0.35 miles to South Park Blvd. Turn right and proceed 0.32 miles to Beetow. Turn left and proceed 0.4 miles to "T". Turn right onto Bay View (continuation) and proceed 0.2 miles to MP. Point is at end of drive to #S4886 Bay View. Distance from the array is 3.64 miles. The field intensity measured at this point should not exceed 11.4 mV/m.

Direction of 169.5° True North: From the 78.1° MP continue south Bay View about 0.1 miles to V and Bear right on "T" at Sowles Road. Turn right and proceed 1.65 miles to Southwestern Blvd. (US 20). Turn left and proceed 3.25 miles to Lake View Road. Turn left and proceed 2.2 miles to M.P. at drive to 3011 on Southside. Distance from the array is 1.97 miles. The field intensity measured at this point should not exceed 100.3 mV/m.

Direction of 208.8° True North: Turn around and return W on Lake View 1.95 miles to Heltz Road. Point is 100' east of Heltz on Lake View in middle of road. Distance from the array is 2.92 miles. The field intensity measured at this point should not exceed 11.4 mV/m.

Direction of 231.5° True North: From the 208.8° MP, continue West on Lake View 2.5 miles to US 20. Turn left proceed 1.0 miles to North Creek. Turn right on North Creek. Proceed 0.9 miles to RR underpass. The point is about 0.2 miles beyond underpass about 20' east of drive 1675 North Creek on North side of road. Distance from the array is 4.0 miles. The field intensity measured at this point should not exceed 5.9 mV/m.

\*\*\* END OF AUTHORIZATION \*\*\*