

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

File No. : BL-890413AC

Call Sign : WFBL

LICENSEE: WFBL-Syracuse, Inc.

1. Community of License : Syracuse, New York
2. Transmitter location : Wetzel Rd., 0.3 mi. west
of 7th North Rd., Town
of Clay, New York
North latitude : 43° 09' 10"
West longitude : 76° 11' 35"

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)
1022 Willis Avenue
Onondaga County
Syracuse, New York

5. Remote control location:
(same)

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12, 21 and 22

8. Frequency : 1390 kHz

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

Antenna input power (kW) :

5.4 Day

Non-directional antenna:

Directional antenna : current 10.4 amperes; resistance 50 ohms.

5.4 Night

Non-directional antenna:

Directional antenna : current 10.4 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BP-850627AC

11. Conditions : Attached

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

June 1, 1991

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.

¹ This license consists of this page and pages



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Date: 5/10/89

DA-2

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three (3) uniform cross-section, series-excited, guyed, vertical, steel radiators. Tower #2(S) is top-loaded with the top 65' of guy wire for an electrical hgt. of 101.7°. Day: Theoretical RMS = 886.6 mV/m/km. Standard RMS = 931.3 mV/m/km. Night: RMS = 839.1 mV/m/km. Std. RMS = 881.4 mV/m/km. Q Night = 23.26, Q Day = 22.36.

Height above Insulators:

#1(E)	#2(S)	#3(N)	#3(N)
400'-(203.4°)	154' (78.3°)	+ 23.4 T.L.)	200' (101.7°)

Overall Height: 403' 157' 203'

Spacing and Orientation: From reference tower #1(E), tower #2(S) is spaced 168° on a bearing of 229° T and tower #3(N) is spaced 100° on a bearing of 320° T.

Non-Directional Antenna: Not Used.

Ground System consists of 120 - 180' copper radials about base S(2) and N(#3) towers, 120 - 280' copper radials about base E(#1). In addition, a 24' x 24' copper mesh screen installed about base of all towers.

THEORETICAL SPECIFICATIONS

Phasing:	Tower	#1(E)	#2(S)	#3(N)
	Night	0°	38.4°	137.4°
	Day	0°	-93°	97°

Field Ratio:	Night	1.00	0.535	0.09
	Day	1.00	0.15	0.34

OPERATING SPECIFICATIONS

Phase Indication*:	Night:	0°	52°	137°
	Day:	0°	-41°	109°

Antenna Base	Night:	1.00	0.646	0.079
Current Ratio	Day:	1.00	0.202	0.314

Antenna Monitor Sample				
Current Ratio:	Night:	1.00	0.96	0.12
	Day:	1.00	0.33	0.54

As indicated by Potomac Instruments AM-19 (204) Antenna Monitor. Antenna sampling system approved under section 73.68(b) rules.

WFBL

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS

DIRECTION OF 106° True North. From the end of road to transmitter turn left on Wetzel Road going East and then South about 2.7 km to Buckley Road, turn left on Buckley going East about 1.4 km to Bear Road, turn left on Bear Road about 2.5 km. Reading is taken in front of 5404 Bear Road. This point is 4.3 km from the array. The field intensity measured at this point should not exceed 145 mVm daytime.

DIRECTION OF 48° TRUE NORTH. From end of road to transmitter turn left on Wetzel Road for .45 km to Henry Clay Blvd., turn left going north for about 4.2 km to New York Route 31, turn right going East for about 2.7 km to Caughdenoy Road, turn right going South about 1.3 km. Reading is taken in front of 83 19 Caughdenoy Road. This point is 3.3 km from the array. The field intensity measured at this point should not exceed 161 mVm nighttime.

DIRECTION OF 204° TRUE NORTH. From the end of the road to transmitter turn right on Wetzel Road going West about 1.2 km to Morgan Road. Turn left on Morgan going South about 2.7 km to Brookwood Village Apartments. Turn right into apartments about .3 km. Reading is taken in parking lot across from Brookwood village Sign. This point is 3.25 km from the array. The field intensity measured at this point should not exceed 92.6 mVm nighttime.

DIRECTION OF 261.5° TRUE NORTH. From the end of the road to transmitter turn right on Wetzel Road going West about 3.3 km to entry to Sewage Disposal. Turn left into entry and go .1 km. Reading is taken 1/2 way between Wetzel Road and Sewage Plant. This point is 3.45 from the array. The field intensity measured at this point should not exceed 67.9 mVm nighttime.

DIRECTION OF 290° TRUE NORTH. From the end of road to transmitter turn right on Wetzel Road for 2.9 km to New York route 57., turn right going North for about 1.9 km to Soule Road. Turn right going East for about .1 km. Reading is taken in front of the Clay Medical Center sign. This is 3.6 km from the array. The intensity measured at this point should not exceed 106 mV/m daytime.

DIRECTION OF 351.5° TRUE NORTH. From the end of road to transmitter turn left on Wetzel Road for .45 km to Henry Clay Blvd. Turn left going for about 4.29 km to New York Route 31. Reading is taken across from house 4553 Rt. 31 near Henry Clay NY RTE 31 sign. This point is 3.7 km from the array. The field intensity measured at this point should not exceed 42.3 mV/m daytime.