



United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

WOLF RADIO, INC.  
401 W. KIRKPATRICK ST.  
SYRACUSE NY 13204

Son Nguyen  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 34821

Call Sign: WFBL

License File Number: BZ-20171220ACV

Grant Date **FEB 15 2018**

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

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

Callsign: WFBL

License No.: BZ-20171220ACV

Name of Licensee: WOLF RADIO, INC.

Station Location: SYRACUSE, NY

Frequency (kHz): 1390

Station Class: B

Antenna Coordinates:

Day

Latitude: N 43 Deg 09 Min 10 Sec

Longitude: W 76 Deg 11 Min 35 Sec

Night

Latitude: N 43 Deg 09 Min 10 Sec

Longitude: W 76 Deg 11 Min 35 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: 10.4 Night: 10.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1003494	
2	1003492	
3	1003493	

Night:

Tower No.	ASRN	Overall Height (m)
1	1003494	
2	1003492	
3	1003493	

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 886.64 Night: 839.13

Standard RMS (mV/m/km): Day: 931.3 Night: 881.4

Augmented RMS (mV/m/km): ,

Q Factor: Day: 22.36 Night: 23.26

## 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	203.4
2	0.1500	-93.000	168.0000	229.000	0	TL/S
3	0.3400	97.000	100.0000	320.000	0	101.7

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
2	78.3	23.40	.00	.00

## 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	203.4
2	0.5350	38.400	168.0000	229.000	0	TL/S
3	0.0900	137.400	100.0000	320.000	0	101.7

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
2	78.3	23.40	.00	.00

## Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-41	0.37
3	109	0.54

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 51	1.05
3 137	0.12

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

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)
106	4.3	231
290	3.6	106
351.5	3.7	64.9

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
48	3.3	194
204	3.25	94.9
261.5	3.45	82.5

Special operating conditions or restrictions:

- 1 Ground system consists of 120, 180-ft. copper radials about base S (#2) and N (#3) towers, and 120, 280-ft. copper radials about base E (#1). In addition, a 24-ft. by 24-ft. copper mesh screen is installed about the bases of all towers.

Special operating conditions or restrictions:

2 Monitor points:

Daytime:

106-deg.: 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 0.4 km to Bear Road. Turn left on Bear Road and continue 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 231 mV/m.

290-deg.: From the end of road to transmitter turn right on Wetzel Road for 2.9 km to New York Route 57. Turn right to go north for about 1.9 km to Soule Road. Turn right going east for about 0.1 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.

351.5-deg.: From the end of road to transmitter turn left on Wetzel Road for 0.45 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 Route 31 near Henry Clay NY Route 31 sign. This point is 3.7 km from the array. The field intensity measured at this point should not exceed 64.9 mV/m.

Nighttime:

48-deg.: From end of road to transmitter turn left on Wetzel Road for 0.45 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 8319 Caughdenoy Road. This point is 3.3 km from the array. The field intensity measured at this point should not exceed 194 mV/m.

204-deg.: 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 0.3 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 94.9 mV/m.

261.5-deg.: 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 0.1 km. Reading is taken halfway between Wetzel Road and Sewage Plant. This point is 3.45 from the array. The field intensity measured at this point should not exceed 82.5 mV/m.

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