


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

Authorizing Official:

  
 \_\_\_\_\_  
 Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

Official Mailing Address:

\_\_\_\_\_  
 RED WOLF BROADCASTING CORPORATION  
 PO BOX 357  
 758 COLONEL LEDYARD HIGHWAY  
 LEDYARD CT 06339

\_\_\_\_\_  
 Grant Date: June 08, 2022  
 This license expires 3:00 a.m.  
 local time, April 01, 2022.

Facility Id: 7711

Call Sign: WDRC

License File Number: BZ-20220406AAF

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

Callsign: WDRC

License No.: BZ-20220406AAF

Name of Licensee: RED WOLF BROADCASTING CORPORATION

Station Location: HARTFORD, CT

Frequency (kHz): 1360

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 48 Min 47 Sec

Longitude: W 72 Deg 41 Min 46 Sec

Night

Latitude: N 41 Deg 48 Min 47 Sec

Longitude: W 72 Deg 41 Min 48 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: 5.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 6.1 Night: 8.54

Resistance (ohms): Day: 135 Night: 74

Non-Directional Antenna: Day

Radiator Height: 92 meters; 150 deg

Theoretical Efficiency: 341.18 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1045019	

Night:

Tower No.	ASRN	Overall Height (m)
1	1045019	
2	1045020	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 798.23  
 Standard RMS (mV/m/km):  
 Augmented RMS (mV/m/km): Night: 839.42  
 Q Factor: Night:

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	150.0
2	0.8100	49.500	137.0000	272.000	0	150.0

\* 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	220.0	80.0	482.80
2	261.0	10.0	136.79
3	287.0	10.0	136.79
4	320.0	66.0	418.43

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	48	0.6

Antenna Monitor: POTOMAC INSTRUMENTS 1901-2

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
261	5.99	11.8
287	5.87	9.7

## Special operating conditions or restrictions:

- 1 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 68.60 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.
  
- 2 Location of Monitoring Points:  
  
Direction of 261° true North. Direction of Cincinnati, Ohio. Location is in center of open field at northwest corner of off-set intersection between Mountain Road and Still Road, reached by proceeding north from the Hartford Avon Highway on Mountain Road for a distance of approximately 1.3 miles.  
  
Direction of 287° true North. Direction of Green Bay Wisconsin. Location is 0.35 mile east of Simsbury Road on Loeffler Road. Location is on dirt road free of wires, reached by proceeding north from previously described point on Mountain Road, extending into Simsbury Road for approximately 1.6 miles, thence east into Loeffler Road.
  
- 3 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.
  
- 4 This license is effective pursuant to 47 U.S.C. Section 307(c)(3).

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