



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

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

Dennis L. Williams
Assistant Chief
Audio Division
Media Bureau

Facility Id: 13716

Call Sign: WSNB

License File Number: BZ-19971015KD

Grant Date: February 05, 1998

This license expires 3:00 a.m.
local time, April 01, 1998.

Direct Measurement of Power

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.	jan_sunrise	jan_sunset	Jul.	jul_sunrise	jul_sunset
Feb.	feb_sunrise	feb_sunset	Aug.	aug_sunrise	aug_sunset
Mar.	mar_sunrise	mar_sunset	Sep.	sep_sunrise	sep_sunset
Apr.	apr_sunrise	apr_sunset	Oct.	oct_sunrise	oct_sunset
May	may_sunrise	may_sunset	Nov.	nov_sunrise	nov_sunset
Jun.	jun_sunrise	jun_sunset	Dec.	dec_sunrise	dec_sunset

Callsign: WSNG

License No.: BZ-19971015KD

Name of Licensee: RED WOLF BROADCASTING CORPORATION

Station Location: TORRINGTON, CT

Frequency (kHz): 610

Station Class: B

Antenna Coordinates:

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

Nominal Power (kW): Night: 0.50

Antenna Input Power (kW): Night: 0.54

Antenna Mode: Night: DA

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

Current (amperes): Night: 3.15

Resistance (ohms): Night: 54

Antenna Registration Number(s):

Night:

Tower No.	ASRN	
1	None	99
2	None	99
3	None	99

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 213.4

Standard RMS (mV/m/km): Night:

Augmented RMS (mV/m/km):

Q Factor: Night: 13.14

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5300	164.000	0.0000	0.000	0	TL/S
2	1.0000	0.000	75.0000	320.000	0	TL/S
3	0.5300	-164.000	150.0000	320.000	0	TL/S

* 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
1	72.1	9.90	.00	.00
2	72.1	9.90	.00	.00
3	72.1	9.90	.00	.00

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	47.0	16.0	23.34
2	62.5	31.0	33.80
3	78.0	14.0	22.53
4	78.0	10.0	23.17
5	207.5	23.0	24.94
6	219.0	21.0	33.80
7	219.0	10.0	34.60
8	229.5	21.0	24.14
9	250.0	20.0	94.95
10	267.0	14.0	224.70
11	320.0	60.0	466.71

Night Directional Operation:

Twr. Phase No.	Antenna Monitor Sample Current Ratio
1	160.6
2	0

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Night Directional Operation:

Twr. Phase	Antenna Monitor
No. (Deg.)	Sample Current Ratio
3	-162.3

Antenna Monitor: POTOMAC 1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
47	4.3	4
78	6.89	0.65
140	4.97	13
219	3.22	6

*** END OF AUTHORIZATION ***