

Federal Communications Commission

AM BROADCAST STATION CONSTRUCTION PERMIT

Licensee/Permittee

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

Call Sign

WACM

Facility ID

18717

File Number BP-20230517AAH	This Permit Modifies License File No. BL-8346	
Filing Date 05/18/2023	Grant Date 11/09/2023	Expiration Date 36 months after the grant date
Description Text Change transmitter location		

Community of License City: Springfield State: MA	Frequency (KHz) 1270	Station Class B	Service Type Main
Facility Type			
Hours of Operation Daytime Nighttime			
Station Antenna Modes/Antenna Types Daytime: Non-Directional Nighttime: Non-Directional			

Average Hours of Sunrise and Sunset

Local Standard Time (Non-Advanced)

Month	Sunrise	Sunset
January	7:15	16:45
February	6:45	17:15
March	6:00	18:00
April	5:15	18:30
May	4:30	19:00
June	4:15	19:30
July	4:30	19:30
August	5:00	19:00
September	5:30	18:00
October	6:00	17:15
November	6:45	16:30
December	7:15	16:15

Transmitter

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

Antenna Mode: Daytime

Antenna Type: Non-Directional

Antenna Coordinates (NAD 83) Latitude 42° 5' 55.3" N Longitude 72° 37' 43.3" W	Nominal Power (kW) 0.8																			
Antenna Structure Registration Number(s) <table border="1"><thead><tr><th>Tower No.</th><th>ASRN</th><th>Overall Height (m)</th></tr></thead><tbody><tr><td>1</td><td>1058191</td><td>121.9</td></tr></tbody></table>		Tower No.	ASRN	Overall Height (m)	1	1058191	121.9													
Tower No.	ASRN	Overall Height (m)																		
1	1058191	121.9																		
Radiator Height 120.1 meters 183.2 degrees	Theoretical Efficiency 376.01 mV/m/kw at 1 km																			
Theoretical Parameters <table border="1"><thead><tr><th>Tower No.</th><th>Field Ratio</th><th>Phasing (deg.)</th><th>Spacing (deg.)</th><th>Orientation (deg.)</th><th>Tower Ref. Switch*</th><th>Height (deg.)</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>183.2</td></tr></tbody></table> <p>* Tower Reference Switch 0 = Spacing and orientation from reference tower 1 = Spacing and orientation from previous tower</p>							Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)	1	1	0	0	0	0	183.2
Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)														
1	1	0	0	0	0	183.2														
Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160) <table border="1"><thead><tr><th>Tower No.</th><th>Tower Type</th><th>A</th><th>B</th><th>C</th><th>D</th></tr></thead><tbody><tr><td>1</td><td>Neither</td><td></td><td></td><td></td><td></td></tr></tbody></table>							Tower No.	Tower Type	A	B	C	D	1	Neither						
Tower No.	Tower Type	A	B	C	D															
1	Neither																			

Antenna Mode: Nighttime

Antenna Type: Non-Directional

Antenna Coordinates (NAD 83) Latitude 42° 5' 55.3" N Longitude 72° 37' 43.3" W	Nominal Power (kW) 0.18																			
Antenna Structure Registration Number(s) <table border="1"><thead><tr><th>Tower No.</th><th>ASRN</th><th>Overall Height (m)</th></tr></thead><tbody><tr><td>1</td><td>1058191</td><td>121.9</td></tr></tbody></table>		Tower No.	ASRN	Overall Height (m)	1	1058191	121.9													
Tower No.	ASRN	Overall Height (m)																		
1	1058191	121.9																		
Radiator Height 120.1 meters 183.2 degrees	Theoretical Efficiency 376.01 mV/m/kw at 1 km																			
Theoretical Parameters <table border="1"><thead><tr><th>Tower No.</th><th>Field Ratio</th><th>Phasing (deg.)</th><th>Spacing (deg.)</th><th>Orientation (deg.)</th><th>Tower Ref. Switch*</th><th>Height (deg.)</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>183.2</td></tr></tbody></table> <p>* Tower Reference Switch 0 = Spacing and orientation from reference tower 1 = Spacing and orientation from previous tower</p>							Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)	1	1	0	0	0	0	183.2
Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)														
1	1	0	0	0	0	183.2														
Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160) <table border="1"><thead><tr><th>Tower No.</th><th>Tower Type</th><th>A</th><th>B</th><th>C</th><th>D</th></tr></thead><tbody><tr><td>1</td><td>Neither</td><td></td><td></td><td></td><td></td></tr></tbody></table>							Tower No.	Tower Type	A	B	C	D	1	Neither						
Tower No.	Tower Type	A	B	C	D															
1	Neither																			

Special operating conditions or restrictions

The permittee /licensee in coordination with other users of the site 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.

- The ground system for the proposed facility will consist of 120 equally spaced, buried, copper radials averaging 50.3 meters in length, about the base of the tower, except where terminated by property boundaries.
- Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations WACM, Fac. ID no. 18717, and WSPR, Fac. ID no. 60390, and there shall be filed with the license application copies of a firm agreement entered into by the stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, Stations WACM, Fac. ID no. 18717, and WSPR, Fac. ID no. 60390, shall each measure antenna or common point resistance and submit FCC Form 302 as necessary.
- Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V /m contour as required by Section 73.88 of the Commission's rules.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Pursuant to Section 73.3598, this Construction Permit will be subject to automatic forfeiture unless construction is complete and application for license is filed prior to expiration.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.