

LICENSEE:

ENDLESS MOUNTAINS BROADCASTING, INC.

FAC ID # 19563

- 1. Community of License .....: Tunkhannock, PA
- 2. Transmitter location .....: Wilmar Drive  
Tunkhannock Twnsp., PA
- North latitude .....: 41° 33' 46"
- West longitude .....: 75° 58' 11"
- 6. Antenna and ground system: Attached
- 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)  
Wilmar Drive  
Wyoming County  
Tunkhannock, PA
- 5. Remote control location:  
N/A

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None Required

8. Frequency .....: 1460 KHz

9. Nominal power (Kw) .....: 5.0 Day 1.0 Night

Antenna input power (Kw):

5.4 Day  Non-directional antenna: current 10.39 amperes; resistance 50 ohms.

Directional antenna

1.83 Night  Non-directional antenna: current 5.16 amperes; resistance 50 ohms.

Directional antenna

10. Hours of operation: Specified in BP-870331AN and BMP-881230AD

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, <sup>1</sup> 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 AM, Local Time

August 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.



File NO. BL-881216AA

Call Sign: WEMR

Date:  
DA- 2

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

**No. and Type of Elements:** Four uniform cross-section, guyed, series fed, vertical radiators. Day: RMS (th) 701.1 mV/m/km, RMS (Std) = 742.83 mV/m/km. Night: RMS (the) = 342.83 mV/m/km, RMS (Std) = 360.95 mV/m/km. A communications type antenna is side mounted near top SE(#3) tower. Q factor 15.81 mV/m/km day; 25.54 mV/m/km night. Augmented RMS: day. 793.53 mV/m/km.

**Height above Insulators:** 190' (101.50)

**Overall Height:** 195'

**Spacing and Orientation:** Using tower #1(NW) as a reference, tower #2(NW) is spaced 168.4' (90o) on a line bearing of 134o T; tower #3(Center-SE) is spaced 340.6' (182o) on a line bearing of 128.6o T; and tower #4(SE) is spaced 505.3' (270o) on a line bearing of 130 T.

**Non-Directional Antenna:** Not Used

**Ground System consists of 120-168' equally spaced buried radials about base of each tower and extending to the property or to intersection with transverse copper strap. In addition 120-50' copper radials are interspersed with the longer radials.**

2. THEORETICAL SPECIFICATIONS

*2.153*

**Field Ratio:**

Tower	NW(#1)	NC(#2)	SC(#3)	SE(#4)
Night	1.00	<del>1.153</del>	1.884	0.859
Day	1.00	1.67	1.77	0.88

**Phasing:**

Night	0o	-175.5o	20.2o	-151.2o
Day	0o	140.4o	65.2o	-129.6o

3. OPERATING SPECIFICATIONS

**Phase Indication\*:**

Night	171.5o	0o	164o	22o
Day	-66o	88o	0o	169o

**Antenna Base**

**Current Ratio:**

Night	0.521	1.00	0.876	0.357
Day	0.623	1.196	1.00	0.520

**Antenna Monitor Sample**

**Current Ratio:** Night

Day	0.486	1.00	0.937	0.352
Night	0.545	0.853	1.00	0.525

\* As indicated by Potomac Instruments AM-19 (204) Antenna Monitor. Sampling system approved under Section 73.68(b) of the Rules.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

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Direction of 66 degree true North. From transmitter site proceed northeast on Wil-Mar Dr. 0.55 miles to Dark Hollow Rd. Turn right (east) on Dark Hollow Rd. 0.05 miles to U.S. 6. Turn right (southeast) on U.S. 6 0.55 miles to Mile Rd. Turn left (east) on Mile Rd. 1.15 miles to Lee Lane. Turn left (northeast) on Lee Lane 0.2 miles to Stony Mountain Rd. Turn left (northwest) on Stony Mountain Rd. 0.75 miles to monitor point. Day monitor point #1 is on the east side of road above the pond opposite telephone pole F33, 1.2 miles from transmitter site. Field intensity measured at this point should not exceed 105.4 mV/m daytime.

Direction of 198.5 degree true North. From 66 degree day monitor point make a U-turn and proceed southeast on Stony Mountain Rd. 0.9 miles to Pa. 29. Turn right (south) on Pa. 29 across U.S. 6 and Susquehanna River bridge 3.85 miles to Sand Bank Rd. Turn right (west) on Sand Bank Rd. 0.8 miles to Lake Wilderness Rd. Continue straight (north) on Lake Wilderness Rd. 0.6 miles tp Benson Hollow La. Turn left (west) on Benson Hollow La. 0.05 miles point. Day monitor point #2 is on the north side of road just west of the pond, 2.8 miles from the transmitter site. The field intensity measured at this point should not exceed 11.3 mV/m daytime.

Direction of 305.5 degree true North. From 198.5 degree day monitor point return to Pa. 29 at intersection with Sand Bank Rd. Turn left (north) on Pa. 29 2.3 miles to traffic signal at U.S. 6. Turn left (west) on U.S. 6 5.6 miles to Pa. 87. Turn left (southwest) on Pa. 87 0.1 miles to side road at "Do Not Pass" sign. Turn right (west) on side road 0.2 miles to monitor point. Day monitor point #3 is on the north side of road opposite telephone pole 12w 183, 2.65 miles from the transmitter site. The field intensity measured at this point should not exceed 36.6 mV/m daytime.

Direction 55 degree true North. From transmitter point proceed northwest on Wil-Mar Dr. 0.55 miles to Dark Hollow Rd. Turn right (east) on Dark Hollow Rd. 0.05 miles to U.S. 6. Turn right (southeast) on U.S. 6 3.8 miles to traffic signal at Pa. 29. Turn left (north) on Pa. 29 3.1 miles to monitor point. Night monitor point #1 is on the east side of the road at PennDot station marker 1/60 across from the blue house, 2.2 miles from the transmitter site. The field intensity measured at this point should not exceed 11.2 mV/m Nighttime.

Direction of 189 degree true North. From 50 degree night monitor point make a U-turn and proceed south on Pa. 29 across U.S. 6 and Susquehanna River bridge 5.4 miles to Sand Bank Rd. Turn right (west) on Sand Bank Rd. 0.8 miles to Lake Wilderness Rd. Continue straight (north) on Lake Wilderness Rd. 0.85 miles to Frear Hill Rd. Turn right (east) on Frear Hill Rd. 0.3

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miles to monitor point. Night monitor point #2 is on the north side of the road on a line between the pump and the tan house, 2.45 miles from the transmitter site. The field intensity measured at this point should not exceed 3 mV/m Nighttime.

Direction of 207.5 degree true North. From 189 degree night monitor point make a U-turn and proceed west on Frear Hill Rd. 0.3 miles to Lake Wilderness Rd. Turn left (south) on Lake Wilderness Rd. 0.2 miles to Benson Hollow La. Turn right (west) on Benson Hollow La. 0.55 miles to monitor point. Night monitor point #3 is in the middle of the dirt road 0.07 miles east of the garage, 2.8 miles from the transmitter site. The field intensity measured at this point should not exceed 7.0 mV/m Nighttime.

Direction of 233.5 degree true North. From 207.5 degree night monitor point make a U-turn and proceed east on Benson Hollow La. 0.55 miles to Lake Wilderness Rd. Turn left (north) on Lake Wilderness Rd. 1.35 miles to North Eaton Rd. Turn left (northwest) on North Eaton Rd. 0.8 miles to Mar Grow Rd. Turn left (west on Mar Grow Rd. 0.3 miles to monitor point. Night monitor point #4 is on the north side of road at underground telephone cable marker BCD 15, 1.46 miles from the transmitter site. The field intensity measured at this point should not exceed 15.3 mV/m Nighttime.

Direction of 345 degree true North. From 233.5 degree night monitor point make a U-turn and proceed east on Mar Grow Rd. 0.3 miles to North Eaton Rd. Turn right (southeast) on North Eaton Rd. 2.675 miles to Pa. 29. Turn left (north) on Pa. 29 0.4 miles to traffic signal at U.S. 6. Turn left (west) on U.S. 6 3.85 miles to Hollow Crest Dr. Turn left (south) on Hollow Crest Dr. 0.05 miles to monitor point. Night monitor point reads 13.7 mV/m with 1000 watts fed into the array. The field intensity measured at this point should not exceed 18.3 mV/m Nighttime.