FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

File No. : BZ-910226AG

Call Sign : K G V O

LICENSEE:

PEGASUS BROADCASTING OF MISSOULA, INC.

1. Community of License : Missoula, MT

2. Transmitter location : Highway 93 South
Missoula, MT

North latitude : 46 ° 49 ' 47 "
West longitude : 114 ° 04 ' 45 "

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)
127 North Higgins
Suite 309
Missoula, MT

5. Remote control location:
127 North Higgins
Suite 309
Missoula. MT

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: Tower No. 1: 1; 3, 12 & 21
Tower No. 2: 1

8. Frequency : 1290 kHz

9. Nominal power (kW) : 5.0 Day 5.0 Night

Antenna input power (kW) :

5.0 Day [X] Non-directional antenna: current 9.53 amperes; resistance 55 ohms.
[ ] Directional antenna :

3.3 Night [ ] Non-directional antenna: current 8.12 amperes; resistance 50 ohms.
[X] Directional antenna :

10. Hours of operation: Specified in BR-791023UD

11. Conditions : _____

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,[1] 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 A.M. Local Time

RENEWAL PENDING. THIS DOCUMENT ISSUED TO SPECIFY NEW ANTENNA OPERATING CONSTANTS.

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.

[1] This license consists of this page and pages 2 & 3

Dated: MAY 22 1991

DB:yl

FEDERAL COMMUNICATIONS COMMISSION

MAY 1991

FCC Form 353-A

File NO.BZ-910226AG **Call Sign:** KGVO DAN-U

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Two (2), vertical, guyed, series-excited steel radiators of uniform cross section. Nighttime Theoretical RMS: 659.83 mV/m at one km; Standard RMS: 694.59 mV/m at one km. Q = 13.4.

Height above Insulators: N(#2) 62.5 m (96.7°); S(#1) 134.1 m (207.6°)

Overall Height: N(#2) 64 m; S(#1) 135.6 m

Spacing and Orientation: Spaced 254.33' (120°) on a line bearing 345° T

Non-Directional Antenna: S(#1) with North tower detuned. Theo. Efficiency: 424.87 mV/m/kW at one km.

Ground System consists of 120 equally spaced, buried, copper radials 91.4m in length about the base of S(#1) tower and 120 equally spaced, buried, copper radials 57.9 m in length about the base of N(#2) tower plus 120 interspersed radials 15.2 m in length about the base of each tower.

2. **THEORETICAL SPECIFICATIONS**

Tower		S(#1)	N(#2)
Phasing:	NIGHT	0°	-100°
Field Ratio:	NIGHT	1.0	0.60

3. **OPERATING SPECIFICATIONS**

Phase Indication*:	NIGHT	0°	-78°
Antenna Base Current Ratio:	NIGHT	1.0	0.664
Antenna Monitor Sample Current Ratio:	NIGHT	1.0	1.0

* **As indicated by** Potomac Instruments AM-19 (210) antenna Monitor.
Antenna sampling system approved under section 73.68(b) rules.

DIRECTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 118° True North. Proceed from the transmitter building southeast for 0.5 mile to Highway 93. Turn left proceed for 1.25 miles to Miller Creek Road. Turn right proceed for 0.5 mile to a branch in the road. Proceed left for 0.35 mile on Upper Miller Creek Road to Felton Lane. Turn right on Felton Lane and proceed for 0.20 mile. Monitor point No. 1 is located on the right shoulder of the road approximately 50' east of Marker No. 1 mounted on fence post north of road. Fence post is in line with towers and Monitor Point Site. Distance from transmitter site is 1.50 miles. The field intensity measured at this point should not exceed 59.0 mV/m.

Direction of 175° True North. Proceed from the transmitter building southeast for 0.5 mile to Highway 93. Turn left proceed for 1.25 miles to Miller Creek Road. Turn right proceed for 0.5 mile to branch in road. Proceed right for 1.8 miles on Lower Miller Creek Road. Monitor point is located in the center of road approximately 15' south of metal marker No. 2 mounted on fence post north of road. Distance from transmitter site is 1.05 miles. The field intensity measured at this point should not exceed 189 mV/m.

Direction of 216° True North. Proceed from the transmitter building southeast for 0.5 mile to Highway 93. Turn right proceed for 1.2 miles. Turn right and proceed north (up steep grade) for 0.15 mile to Monitor Point #3. Monitor Point is located in the left center of road at private driveway, approximately 10' southwest of metal marker No.3 mounted on fencepost east of road. Distance from transmitter site is 1.19 miles. The field intensity measured at this point should not exceed 75 mV/m.