

AM BROADCAST STATION LICENSE

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

KAAR BROADCASTING, INC.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time FEBURARY 1, 1991 in accordance with the following:

1. Station location: Vacnouver, WA
2. Main Studio location:
(Listed only if not at transmitter site or not within boundaries of principal community)
3. Remote control location: 5411 E. Mill Plain Rd.
Vancouver, WA
4. Transmitter location: 11197 N. Portland Rd.
Portland, OR
North latitude : 45 ° 36' 08"
West longitude: 122 ° 43' 08"
5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)
6. Antenna and ground system: Attached
7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 11, 21 & 22
No marking required for NE(#2) tower
8. Frequency (kHz.): 1480
9. Nominal power (kW): 1.0 Day
2.5 Night
- Antenna input power (kW): 1.0 Day
2.7 Night
- ☒ Non-directional antenna: current 3.74 amperes; resistance 71.5 ohms.
☐ Directional antenna : current _____ amperes; resistance _____ ohms.
- ☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 7.5 amperes; resistance 48 ohms.
10. Hours of operation: Specified in construction permit (BP -820726AI, BMP-850508AL, BMP-851029AK)
11. Conditions: _ _ _

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.

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 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



MAR 18 1986

File NO.: BL- 851125AC

Call Sign: KAAR

Date: 11/27/85

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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three (3) uniform cross-section, guyed, vertical steel radiators. Nighttime: RMS Theo. = 516.38 mV/m/km; RMS Std = 542.4 mV/m/km.

Height above Insulators: All towers are 166.1' (90°)

Overall Height: All towers are 174.1'

Spacing and Orientation: Tower #1(NW) is the reference tower. Tower #2 is spaced 109.7° apart on a bearing of 135.2° true. Tower #3 is spaced 202.5° apart on a bearing of 147.2° true.

Non-Directional Antenna: Tower #1(NW) Theoretical Eff./kw: 305.8 mV/m at one km.

Ground System consists of 120-166.1' equally spaced copper wire radials around the base of each tower & a 24' x 24' ground screen at the base of each tower.

2. THEORETICAL SPECIFICATIONS

	Tower	#1(NW)	#2(NE)	#3(SE)
Phasing:	Night:	0°	131.3°	-113.6°

Field Ratio:	Night:	1	1.68	0.61
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3. OPERATING SPECIFICATIONS

Phase Indication*:				
	Night:	0°	131.3°	-113.6°

**Antenna Base
Current Ratio:**

Night:	1.00	2.00	0.831
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Antenna Monitor Sample

Current Ratio:

Night:	1.00	1.68	0.61
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* As indicated by Potomac Instruments AM-19(D) 210 Antenna Monitor.

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 67 degree true North. Starting at the KAAR transmitter site, proceed North-bound on North Portland Road, continuing Eastbound on Marine Drive a distance of 2.35 miles to the Northbound entrance to Interstate Highway I-5. Proceed North on Highway I-5 crossing the Columbia River into Washington State and leave Highway I-5 at the first exit IA to Highway 14 Eastbound towards Camas. The monitor point is located near the North shoulder of Highway 14, 0.5 miles East of the I-5 exit IA. To reach this point, continue East on Highway 14 to the first traffic signal and turn left to a side road to enable a return to Highway 24 Westbound. Proceed Westbound on Highway 14 to the monitor point which is located 60 feet West of a large highway sign, "Interstate 5 South - Portland Left Lane", and is midway between the highway shoulder and the airport fence to the North. This is measurement point 18 on the 67 degree radials and is 3.00 miles from the KAAR antenna array. The field intensity measured at this point should not exceed 25.5 mV/m.

Direction of 194 degree true North. Starting at the KAAR transmitter site, proceed Southbound on North Portland Road a distance of 0.6 miles and follow road signs to "Columbia Blvd. East". Proceed East on Columbia Blvd. a distance of 0.6 miles and turn and proceed South on N. Portsmouth Avenue a distance of 0.4 miles to N. Hudson Street. Turn right and proceed West on N. Hudson Street a distance of four city blocks to N. Berkley Avenue. Turn right and proceed North on N. Hudson Avenue to the end of the street. The monitor point is located along the center line of the street and ten feet North of the Northern street curb and is just within the boundary of Northgate Park. This is measurement point 7 on the 194 degree radial and is 0.95 miles from the KAAR antenna array. The field intensity measured at this point should not exceed 14.2 mV/m.