

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-860312AC

Call Sign: KXL

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, the LICENSEE

Alexander Broadcasting Company

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 February 1, 1991 in accordance with the following:

1. Station location: Portland, OR

2. Main Studio location:  
(Listed only if not at transmitter site or not within boundaries of principal community)

3. Remote control location: 1415 SE Ankeny

4. Transmitter location: 20750 SE Curtis Road  
Damascus, OR

North latitude : 45 ° 24 ' 05 "  
West longitude: 122 ° 26 ' 47 "

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

6. Antenna and ground system: See page 2 attached

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 11 & 21 for towers #2 & #3  
1, 3, 12 & 21 for towers #1 & #4 (SW & SE resp)

8. Frequency (kHz.): 750

9. Nominal power (kW): 50 Day  
10 Night

Antenna input power (kW): 52.6 Day

Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
 Directional antenna : current 32.43 amperes; resistance 50 ohms.

10.5 Night

Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
 Directional antenna : current 14.49 amperes; resistance 50 ohms.

10. Hours of operation: Specified in construction permit (BP -841002AB & EMP-860225AJ)

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.



MAY 20 1986

Dated: MAY 20 1986

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Date:

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-2

No. and Type of Elements: Four (4) uniform cross section guyed series excited towers. Theo RMS 2149.4 mV/m at 1 km Std RMS 2258.1 mV/m at 1 km day; Theo RMS Night 934.75 mV/m; Std RMS 984.30 mV/m at 1 km.

Height above Insulators: Towers #1(SW) #4(SE) 328' (90°) towers #2(NW) & #3(NE)

Overall Height: Towers #1(SW) #4(SE) 355' towers #2(NW) #4(NE) 285'

Spacing and Orientation: With tower #2(NW) as reference Tower #1(SW) is spaced 118.3° on a line bearing 122.7° true. NE tower #3 is spaced 128° on a line bearing 90° True, and #4(SE) tower is spaced 70.0 bearing 204.0 True.

Non-Directional Antenna: None used

Ground System consists of 120 equally spaced, buried, copper radials 200 to 328 feet in length, plus, 120 interspersed 30 foot radials about the base of each tower, intersecting radials are shortened and are bonded to transverse copper strap midway between adjacent elements.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	#1(SW)	#2(NW)	#3(NE)	#4(SE)
	Night	157.2°	0.0°	68.0°	90.1°
	Day	0.0°	--	--	70.0°
Field Ratio:	Night	1.23	1.0	1.26	0.98
	Day	1.0	--	--	1.67

3. OPERATING SPECIFICATIONS

Phase Indication*:		#1(SW)	#2(NW)	#3(NE)	#4(SE)
	Night	88.7°	0°	62.2°	151.2°
	Day	0°	--	--	69°
Antenna Base	Night	0.934	1.00	1.108	1.077
Current Ratio:	Day	1.00	--	--	1.519
Antenna Monitor Sample	Night	0.967	1.00	1.125	1.08
Current Ratio:	Day	1.00	--	--	1.535

\* As indicated by Potomac Instrument AM-19D(210) antenna monitor.

Antenna sampling system approved under section 73.68(b) of the rules.

KXL

BL-860312AC

DESCRIPTION OF AND STRENGTH OF MONITORING POINTS

Direction of 86.5 degrees true north. Leave the KXL transmitter site, and turn left onto SE Curtis Road. Drive 0.05 miles west to SE Dolphin Road. Turn right onto Dolphin Road and drive north 0.25 miles to SE Walgren Road. Turn right onto SE Walgren Road, and drive east 0.4 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road, and continue 1.1 miles to the intersection with Hwy 212 in Damascus. Turn right onto Hwy 212, and drive east 2.5 miles to SE Bartell Road. Turn onto SE Bartell Road, and drive 1.3 miles to the mailbox 16730 SE Bartell Road. Point is located 80 feet north of the mailbox, and on the east side of the road, just off the gravel shoulder. Distance 1.95 miles. The field intensity measured at this point should not exceed 286 mV/m day.

Direction of 61.8 degrees true north. Leave the KXL transmitter site, and turn left onto SE Curtis Road. Drive 0.05 miles west to SE Dolphin Road. Turn right onto Dolphin Road and drive north 0.25 miles to SE Walgren Road. Turn right onto SE Walgren Road, and drive east 0.4 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road, and continue 1.1 miles to the intersection with Hwy 212 in Damascus. Turn right onto Hwy 212, and drive east 4.2 miles to the town of Boring. In Boring, turn right onto SE Walley Road which goes to the sawmill in Boring. Travel east 0.2 miles to the end of SE Walley Road. The monitor point is located in the grass 50 feet from SE Walley Road, and 15 feet from the large fir tree closest to Vanport Manufacturing, Inc. sign. Distance 4.3 miles. The field intensity measured at point should not exceed 63 mV/m day.

Direction of 120.2 degrees true north. Leave the KXL transmitter site, and turn left onto SE Curtis Road. Drive 0.05 miles west to SE Dolphin Road. Turn right onto Dolphin Road and drive north 0.25 miles to SE Walgren Road. Turn right onto SE Walgren Road, and drive east 0.4 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road, and continue 1.1 miles to the intersection with Hwy 212 in Damascus. Turn right onto Hwy 212, and drive east 1.4 miles to SE 232nd. Turn right onto 232nd and travel 2.0 miles to the intersection with HWY 224. Turn left onto HWY 224, and travel 2.3 miles to Odell Road. Turn right onto Odell Road, and travel 0.15 miles to the point. Point is 75 feet east of road in Christmas tree farm. Distance 3.42 miles. The field intensity measured at this point should not exceed 89 mV/m day.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS: (Nighttime)

Direction of  $61.8^\circ$  true north. Leave the KXL transmitter site, and turn left onto SE Curtis road. Drive 0.05 miles West to SE Dolphin road. Turn right onto SE Dolphin road and drive north 0.25 miles to SE Walgren Road. Turn right onto SE Walgren road, and drive east 0.4 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road, and continue 1.1 miles to the intersection with HWY 212 in Damascus. Turn right onto HWY 212, and drive east 4.2 miles to the town Boring. In Boring, turn right onto SE Walley Road which goes to the sawmill in Boring. Travel East 0.2 miles to the end of SE WALLEY Road. The monitor point is located in the grass 50 feet from SE Walley Road, and 15 feet from the large fir tree closest to Vanport Manufacturing, Inc. sign. The field intensity measured at this point should not exceed 21.5 mV/m. Distance 1.85 miles.

Direction of  $86.5^\circ$  true north. Leave the KXL transmitter site, and turn left onto SE Curtis road. Drive 0.05 miles west to SE Dolphin road. Turn right onto SE Dolphin road and drive North 0.25 miles to SE Walgren Road. Turn right onto SE Walgren road, and drive east 0.4 miles to the intersection with SE Royer Road. Turn left onto Royer Road, and continue 1.1 miles to the intersection with HWY 212 in Damascus. Turn right onto HWY 212, and drive east 2.5 miles to SE Bartell Road. Turn onto SE Bartell Road, and drive 1.3 miles to the mailbox 16730 SE Bartel Road. Point is located 80 feet north of the mailbox, and on the east side of the road, just off the gravel sholder. Distance 1.95 miles. The field intensity measured at this point should not exceed 94.8 mV/m.

Direction of  $120.2^\circ$  true north. Leave the KXL transmitter site, and turn left onto SE Curtis Road. Drive 0.05 miles west to SE Dolphin road. Turn right onto SE Dolphin road and drive north 0.25 miles to SE Walgren road. Turn right onto SE Walgren road and drive east 0.4 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road, and continue 1.1 miles to the intersection with HWY 212 in Damascus. Turn right onto HWY 212, and drive east 1.4 miles to SE 232nd. Turn right onto 232nd and travel 2.0 miles to the intersection with HWY 224, and travel 2.3 miles to Odell Road. Turn right onto Odell and road, and travel 0.15 miles to the point. Point is 75 feet east of road in Christmas tree farm. The field intensity measured at this point should not exceed 16.4 mV/m. Distance is 3.42 miles.

KXL NIGHTTIME MP CONT'D

Direction of  $166.8^\circ$  true north. Leave the KXL transmitter site, and turn left onto SE Curtis road. Drive 0.05 miles west to SE Dolphin road. Turn right onto SE Dolphin road and drive north 0.25 miles to SE Walgren road. Turn right onto SE Walgren road, and drive east 0.4 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road, and continue 1.1 miles to the intersection with HWY 212 in Damascus. Turn right onto HWY 212, and drive east 1.4 miles to SE 232nd. Turn right onto 232nd and travel 2.0 miles to the intersection with HWY 224. Turn left onto HWY 224, and travel 0.8 miles to SE Backers Ferry Road, at the Barton Store. Turn right onto SE Backers Ferry Road, and drive 1.4 miles to the intersection with S Harding Road. Turn left onto S Harding road, and drive 2.4 miles to the intersection with Springwater Road. Turn right onto Springwater road, and drive 0.35 miles to a spot where there is a gate opening to a field on the right side of the road. Park in the drive to the field. Point is located 75 feet onto the field directly in front of entrance to field. The field intensity measured at this point should not exceed 27.3 mV/m. Distance 3.75 miles

Direction of  $200.6^\circ$  true north. Leave the KXL transmitter site, and turn left onto SE Curtis road. Drive 0.05 miles west to SE Dolphin road. Turn right onto SE Dolphin road and Drive north 0.25 miles to SE Walgren road. Turn right onto SE Walgren road, and drive east 0.4 miles to the intersection with SE Royer Road. Turn left onto Royer Road, and continue 1.1 miles to the intersection with HWY 212 in Damascus. Turn right onto HWY 232nd and travel 2.0 miles to the intersection with HWY 224. Turn left onto HWY 224, and travel 0.8 miles to SE Backers Ferry Road, at the Barton Store. Turn right onto SE Backers Ferry Road, and drive 1.4 miles to the intersection with S Harding Road. Turn left onto S Harding Road, and drive 2.4 miles to the intersection with Springwater road. Turn right onto Springwater road, and drive 2.85 miles to Logan School on the left side of the road. Park in school driveway. Point is located at the edge of the school property to the east, 35 paces into the school field from Springwater road. The field intensity measured at this point should not exceed 66 mV/m. Distance 2.55 miles.