

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-860917AA  
Call Sign: KYKN

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,<sup>1</sup> the LICENSEE

CAPITOL EQUITIES CORP.

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: Keizer, OR
2. Main Studio location: (Listed only if not at transmitter site or not within boundaries of principal community)
3. Remote control location: 4205 Cherry Ave., N.E. Keizer, OR
4. Transmitter location: SE State Street & Cordon Road, Salem, OR North latitude: 44 ° 55 ' 36 "  
West longitude: 122 ° 57 ' 19 "
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 for tower #1 & #3 1, 3, 11, 21 and 22 for tower #2.
8. Frequency (kHz.): 1430
9. Nominal power (kW): 5.0 Day  
5.0 Night
- Antenna input power (kW): 5.0 Day  
5.4 Night
- Non-directional antenna: current 8.78 amperes; resistance 64.8 ohms.
- Directional antenna : current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.
- Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.
- Directional antenna : current 9.0 amperes; resistance 66.7 ohms.
10. Hours of operation: Specified in construction permit (BP -850429AD)
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.

<sup>1</sup> This license consists of this page and pages 2 & 3

Dated:

FEDERAL  
COMMUNICATIONS  
COMMISSION



JAN 21 1987

June 1980

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Date:

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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three(3) vertical, guyed, series-excited, steel radiators of uniform cross-section. Theoretical RMS = 727.32 mV/m/km. Standard RMS = 764.05 mV/m/km. Two (2) communications type antenna are mounted near top E(#3) tower.

Height above Insulators: 175' (91.6°)

Overall Height: 179'

Spacing and Orientation: Three towers are equally spaced 115° apart on a line bearing 84° T.

Non-Directional Antenna: Daytime: Theoretical eff = 307.4 mV/m/kw at 1 km.

Ground System consists of 120-200' equally spaced buried radials about the base of each tower and extending to the intersection with transverse copper strap.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	#1(W)	#2(C)	#3(E)
Night		0°	119.1°	-124.4°
Field Ratio:	Night	1.00	1.31	0.74

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	0°	119°	-126°
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Antenna Base	Current Ratio: Night	1.00	1.738	1.238
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Antenna Monitor Sample	Current Ratio: Night	1.00	1.48	0.92
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\* As indicated by Potomac Instruments AM-19(210) antenna monitor.

ANTENNA SAMPLING SYSTEM APPROVED UNDER SECTION 73.68(b) OF THE RULES.

DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 5 degree true North. Starting at the KYKN transmitter site gate on State Street, proceed Westbound on State Street for 0.15 miles to Cordon Road. Turn right and proceed Northbound on Cordon Road for 0.8 miles N.E. Center Street. Turn right and proceed Eastbound on Center Street for 0.2 miles and park at the Auburn Center Golf Club. The #1 monitor point is located on the golf green approximately 150 feet South of the clubhouse and ten feet West of the first small fir tree. This is measurement point 6 on the 5 degree radial and is 0.90 miles from the KYKN antenna array. The field intensity measured at this point should not exceed 29.3 mV/m.

Direction of 84 degree true North. Starting at the KYKN transmitter site gate on State Street, proceed Eastbound on State Street for 2.3 miles to S.E. 74th Avenue. The monitor point is located on the North side of State Street approximately 200 feet East of 74th Avenue. For parking safety, proceed East on State Street past the point, turn around and return Westbound and park on the North side of State Street at a wood gate 30 feet East of 74th Avenue. Access to the #2 monitor point is through this gate and approximately 170 feet East to the end of the abandoned highway pavement. Please latch gate when leaving. This is measurement point 19 on the 84 radial and is 2.39 miles from the KYKN antenna array. The field intensity measured at this point should not exceed 29.1 mV/m.

Direction of 112 degree true North. Starting at the KYKN transmitter site gate on State Street, proceed Westbound on State Street for 0.15 miles to Cordon Road. Turn left and proceed Southbound on Cordon Road for 1.0 miles to Macleay Road. Turn left and proceed Eastbound on Macleay Road for 3.3 miles to the Stipp Memorial Cemetery on the North side of Macleay Road. Park at the entrance to the cemetery. The #3 monitor point is located on the center E-W path through the cemetery and 35 feet West of the path entrance arch. This is measurement point 20 on the 112 degree radial and is 3.26 miles from the KYKN antenna array. The field intensity measured at this point should not exceed 10.9 mV/m.

Direction of 141 degree true North. Starting at the KYKN transmitter site gate on State Street, proceed Westbound on State Street for 0.15 miles to Cordon Road. Turn left and proceed Southbound on Cordon Road for 1.0 miles to Macleay Road., Turn left and proceed Eastbound on Macleay Road for 1.1 miles to S.E. 62nd Avenue. Turn right and proceed Southbound on 62nd Avenue for 0.25 miles and park on the right and West edge of the road. Monitor point #4 is located on the West shoulder of 62nd Avenue midway between the pavement and the telephone burried cable splicing closure #2205. This is measurement point 14 on the 141 degree radial and is 1.70 miles from the KYKN antenna array. The field intensity measured at this point should not exceed 49.5 mV/m.

## EXHIBIT E-3

### MONITOR POINT #1 - 5 DEGREE TRUE RADIAL

Starting at the KYKN transmitter site gate on State Street, proceed Westbound on State Street for 0.15 miles to Cordon Road. Turn right and proceed Northbound on Cordon Road for 0.8 miles to N.E. Center Street. Turn right and proceed Eastbound on Center Street for 0.2 miles and park at the Auburn Center Golf Club. The #1 monitor point is located on the golf green approximately 150 feet South of the clubhouse and ten feet West of the first small fir tree.

This is measurement point 6 on the 5 degree radial and is 0.90 miles from the KYKN antenna array. On September 4th, 1986 the measured nighttime directional field strength at this point read 27.2 mV/m.

### MONITOR POINT #2 - 84 DEGREE TRUE RADIAL

Starting at the KYKN transmitter site gate on State Street, proceed Eastbound on State Street for 2.3 miles to S.E. 74th Avenue. The monitor point is located on the North side of State Street approximately 200 feet East of 74th Avenue. For parking safety, proceed East on State Street past the point, turn around and return Westbound and park on the North side of State Street at a wood gate 30 feet East of 74th Avenue. Access to the #2 monitor point is through this gate and approximately 170 feet East to the end of the abandoned highway pavement. Please latch gate when leaving.

This is measurement point 19 on the 84 degree radial and is 2.39 miles from the KYKN antenna array. On September 6th, 1986 the measured nighttime directional field strength at this point read 28.0 mV/m.