

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: **BR-2016**  
FAC ID: **837**  
Call Sign: **KVIL**

**MODIFIED**  
STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, <sup>1</sup>the LICENSEE

**ALBANY RADIO CORPORATION**

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, 1981**

The licensee shall use and operate said apparatus only in accordance with the following terms:

1. On a frequency of **790** kHz.

2. With nominal power of **1 kilo** watts nighttime and **1 kilo** watts daytime,

with antenna input power of **1.08 kilo** watts... directional

antenna nighttime ..... directional

and antenna input power of **1.08 kilo** watts... directional

antenna daytime ..... directional

**Common Point** current **5.0** amperes

**Common Point** resistance **43.2** ohms,

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3. Hours of operation: **Unlimited Time.**

**Average hours of sunrise and sunset:**

**Jan. 7:45 am to 5:00 pm; Feb. 7:15 am to 5:45 pm;**

**Mar. 6:30 am to 6:15 pm; Apr. 5:30 am to 7:00 pm;**

**May 4:45 am to 7:30 pm; June 4:30 am to 8:00 pm;**

**July 4:45 am to 8:00 pm; Aug. 5:15 am to 7:15 pm;**

**Sep. 5:45 am to 6:30 pm; Oct. 6:30 am to 5:30 pm;**

**Nov. 7:15 am to 4:45 pm; Dec. 7:45 am to 4:15 pm;**

**Pacific Standard Time (Non-Advanced).**

4. With the station located at: **Albany, Oregon**

5. With the main studio located at: **Just North of and adjacent to US Hwy. 20, Approx. 4 miles due East of center of, Albany, Oregon**

6. Remote control point: **\*\***

7. Transmitter location:

**Just North of and adjacent to US Hwy. 20, Approx. 4 miles due East of Center of Albany, Oregon**

North Latitude:

**44° 37' 54"**

West Longitude:

**123° 00' 57"**

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **1, 3, 12 & 21.**

9. Transmitter(s): **CONTINENTAL ELECTRONICS, 314-2**

10. Conditions: **\*\***

**\*\*This supersedes Authorization issued same date to Page 2 Antenna Base Current, Antenna Monitor Sample Current, Antenna Monitor & Page 3 Field Intensity.**

The Commission reserves the right during said license period of terminating this license or making effective any changes 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. 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.

1/ This license consists of this page and pages **2 & 3.**

Dated: **SEPTEMBER 26, 1978**

FEDERAL  
COMMUNICATIONS  
COMMISSION



File No.: BR-2016

Call Sign: K W I L

FAC ID: 837

Date: 9-26-78

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-2

No. and Type of Elements: Three uniform triangular cross section, guyed, series-excited, vertical steel radiators. Center tower supports a Two-Bay FM antenna.

Height above Insulators: 310' (89.6°)

Overall Height: 315'

Spacing and Orientation: Spaced 311.26' (90°) between adjacent elements on a line bearing 239° true.

Non-Directional Antenna: None Used.

Ground System consists of 120-310' equally spaced buried copper radials plus a 40' square copper ground screen at the base of each tower. Intersecting radials shortened and bonded to common copper strap.

2. THEORETICAL SPECIFICATIONS

		SW(#1)	C(#2)	NE(#3)
Phasing:	Night	-146°	0°	146°
	Day	-113°	0°	131°
Field Ratio:	Night	1.0	1.6	1.0
	Day	1.0	2.0	1.0

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	-146°	0°	146°
	Day	-113°	0°	131°
Antenna Base	Night	0.612	1.0	0.629
Current Ratio:	Day	0.497	1.0	0.524

Antenna Monitor Sample	Night	0.667	1.0	0.67
Current Ratio:	Day	0.545	1.0	0.55

\*As indicated by Potomac Inst. AM-19 (204) antenna monitor.

Section 73.114(a)(8) of the Rules and any requirement for weekly monitoring point readings are WAIVED during proper operation of approved sampling system: PROVIDED, monitoring point readings are made at least once every thirty days.



Field measuring equipment shall be available at all times, and the field intensity at each of the monitoring points shall be measured at least once every seven days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $5^{\circ}$  true North. Starting at the transmitter, proceed west on U.S. Hwy. 20, for 0.75 mile to first north going asphalt road. Follow this road north, crossing an east-west paved road at 1.2 miles and continuing on north 1.7 miles from this crossing to the first east-west asphalt road. Turn east on this road and proceed for 0.35 mile to White Post marked "KWIL  $5^{\circ}$ " located about three feet west of a lone oak tree on the south side of the road. Park in front of the field turn-out just east of this oak tree. Take readings in the field approximately 30 feet south of this post. Distance from the transmitter is 2.58 miles. The field intensity measured at this point should not exceed 15.0 mv/m NIGHT, 10 mv/m DAY.

Direction of  $51.5^{\circ}$  true North. Starting at transmitter. Proceed east on Hwy. 20, 3.3 miles to the junction of Hwy. 226. Bear to the left toward Grabtree and Scio for 1.8 miles to the intersection of Road marked "Gilkey and Jefferson." Turn left and continue for 2.8 miles to intersection and bear left. Continue for .6 mile to white post on East side of road marked "KWIL  $51.5^{\circ}$ ". Take readings in field approximately 30 feet east of post. Distance from array is 5.6 miles. The field intensity measured at this point should not exceed 10 mv/m NIGHT, 4.8 mv/m DAY.

Direction of  $97^{\circ}$  true North. Starting at the transmitter, proceed east on Hwy. 20, 3.3 miles to the junction of Highway 226. Bear to the left toward Grabtree and Scio and continue for 1 mile to the intersection Tennessee School Road. Turn right at this intersection and continue for 0.9 mile. On the east side of the road is telephone pole number 18. The monitor point is located in the field west of the road directly opposite of pole number 18 on a line normal to the road. Walk along this line until a line extended from the west side of a garage located to the north is reached. Distance from transmitter is 4.53 miles. The field intensity measured at this point should not exceed .36 mv/m NIGHT.

Direction of  $329^{\circ}$  true North. Starting at transmitter, proceed West on Hwy. 20 for 2.1 miles. Turn right on Interstate 5 Fwy and continue North for 3.0 miles to Viewcrest Exit. Continue to the right to stop sign. Continue South approximately 300 feet to road junction and follow East going road for 0.52 miles. Park on road opposite Lane with hedge row leading to house North of road. Monitor Point is located in open field South of road. Take reading 50 feet south of road directly opposite of hedge row North of road. Monitor point is 2.8 miles from transmitter. The field intensity measured at this point should not exceed 4.4 mv/m NIGHT.