



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

EADS BROADCASTING CORPORATION
 36991 KGAL DRIVE
 LEBANON OR 97355

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: July 27, 2015

Facility Id: 18038

Call Sign: KSHO

This license expires 3:00 a.m.
 local time, February 01, 2022.

License File Number: BL-20141222AFZ

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 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. 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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
 Local Standard Time (Non-Advanced)

Jan.	7:45 AM	5:00 PM	Jul.	4:45 AM	8:00 PM
Feb.	7:15 AM	5:45 PM	Aug.	5:15 AM	7:15 PM
Mar.	6:30 AM	6:15 PM	Sep.	5:45 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	4:45 AM	7:30 PM	Nov.	7:15 AM	4:45 PM
Jun.	4:30 AM	8:00 PM	Dec.	7:45 AM	4:30 PM

Callsign: KSHO

License No.: BL-20141222AFZ

Name of Licensee: EADS BROADCASTING CORPORATION

Station Location: LEBANON, OR

Frequency (kHz): 920

Station Class: B

Antenna Coordinates:

Unlimited

Latitude: N 44 Deg 34 Min 25 Sec

Longitude: W 122 Deg 55 Min 05 Sec

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

Nominal Power (kW): Unlimited: 1.0

Antenna Input Power (kW): Unlimited: 1.08

Antenna Mode: Unlimited: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Unlimited: 4.65

Resistance (ohms): Unlimited: 50

Antenna Registration Number(s):

Unlimited:

Tower No.	ASRN	Overall Height (m)
1	1034247	
2	1034246	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Unlimited: 317.04

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Unlimited: 333.19

Q Factor: Unlimited:

Theoretical Parameters:

Unlimited Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	84.2
2	0.9400	86.000	115.0000	84.100	0	84.2

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	49.0	12.0	35.41
2	55.0	10.0	36.53
3	84.1	10.0	93.34
4	127.0	15.6	64.37

Unlimited Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-79.3	0.885

Antenna Monitor: GORMAN-REDLICH CMR

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Unlimited Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
49	5.5	5.5
84.1	2.1	34.5

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 3 Ground System consists of 120 equally spaced, buried copper radials about the base of each tower, each 76.2 meters in length except where limited by property lines or where radials intersect. Intersecting radials between towers shortened and bonded to common copper strap.
- 4 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 49° True North: From transmitter building, proceed 0.2 east mile to Highway 20. Turn right and proceed south 2.6 miles to Grant Street. Turn left and proceed east 1.0 mile crossing the bridge over the Santiam River. Continue north now on Brewster Road 5.2 miles to Griggs Road. Turn right and proceed east 0.2 mile crossing railroad tracks to a private road immediately to the west of the electric substation. Turn right and proceed 400 feet until the road begins to curve to the left. The monitoring point is on the west side of the road at the curve in a pull out area. Distance from antenna 3.4 miles. The field intensity measured at this point should not exceed 5.5 mV/m Daytime and Nighttime.

Direction of 84.1° True North: From transmitter building, go 0.2 miles to Highway 20. Crossing the highway and proceed 1.1 miles to a private road leading through a walnut orchard going north. Turn left onto private road pass machine shed and proceed until both KGAL towers appear as one tower. This point is 1308 feet north from edge of county road measuring point is on private road. The distance antenna is 1.3 miles. The field intensity measured at this point should not exceed 34.5 mV/m Daytime and Nighttime.

*** END OF AUTHORIZATION ***