

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

File No. : BZ-910314AA

Call Sign : K A L V

LICENSEE:

ALVA OMNI, INC.

1. Community of License: Alva, Oklahoma

2. Transmitter location: 1 mile N. of city limits,
0.2 miles E. of Hwy 281
Alva, OK

North latitude: 36 ° 49 ' 06 "

West longitude: 98 ° 38 ' 38 "

6. Antenna and ground system: Attached

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

4. Main Studio location: (See Section 73.1125)
1 mi N of City limits
0.2 mi E of Hwy 281
Alva, OK

5. Remote control location:

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None Required

8. Frequency: 1430 kHz

9. Nominal power (kW): 0.5 kW Day 0.5 kW Night

Antenna input power (kW):

0.54 kWDay

Non-directional antenna:

Directional antenna : current 3.29 amperes; resistance 50.0 ohms.

0.54 kWNight

Non-directional antenna:

Directional antenna : current 3.29 amperes; resistance 50.0 ohms.

10. Hours of operation: Specified in

11. Conditions

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 is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

June 1, 1997

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.

The license is issued on the licensee's representation that the statements contained in the 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, as amended. This license is subject to the right of use or control by the Government of the United States conferred by Section 608 of the Communications Act of 1934, as amended.

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

Dated: MAY 29 1997

JNW:yl

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COMMUNICATIONS
COMMISSION



JUN 0 8 1997

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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Four(4) guyed, series-excited, steel radiators of uniform cross section. Theoretical RMS: 219.5 mV/m/km, Day; 217.3 mV/m/km, Night. Standard RMS: 230.6 mV/m/km, Day.

	<u>N(1)</u>	<u>WC(2)</u>	<u>EC(4)</u>	<u>SW(3)</u>
Height above Insulators:	241.4m (78.5°)	241.4m (78.5°)	190.1m (62.8°)	241.4m (78.5°)
Overall Height:	246.2m	246.2m	197.9m	246.2m

Spacing and Orientation: Using the WC(2) tower as reference towers N(1) and SW(3) are spaced 153' (80°) on a bearing 45° T and 225° T respectively and the EC(4) tower is spaced 133.8' (70°) on a line 89° T.

Non-Directional Antenna: None Authorized

Ground System consists of 120 equally spaced, buried, copper radials 241.4 m in length about the base of each tower. Intersecting radials shortened and bonded to transverse copper straps midway between adjacent towers. In addition, 120 interspaced radials 80.5 m in length are installed at the base of the EC(#4) tower.

2. THEORETICAL SPECIFICATIONS

	Tower	<u>N(1)</u>	<u>WC(2)</u>	<u>EC(4)</u>	<u>SW(3)</u>
Phasing:	Night	132°	0°	---	132°
	Day	---	0°	110°	-123°
Field Ratio:	Night	1.0	1.85	---	1.0
	Day	---	1.00	0.56	0.3

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	128°	0°	---	-129.5°
	Day	---	0°	114°	-122.5°
Antenna Base					
Current Ratio:	Night	0.510	1.00	---	0.510
	Day	---	1.00	0.822	0.238
Antenna Monitor Sample					
Current Ratio:	Night	0.55	1.00	---	0.560
	Day	---	1.00	0.76	0.30

* As indicated by Potomac Instruments AM-19 (204) antenna Monitor.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 16° True North. From the transmitter site driveway proceed to the left (west) to the intersection with highway 281. Turn right (north) and proceed north for 3.5 miles to county road. Turn right and proceed east for 1.2 miles to the monitor point. The point is at the edge of the road opposite a metal stake in the fence line. The monitor point is 3.69 miles from the KALV antenna system. The field intensity measured at this point should not exceed 15.5 mV/m Daytime.

Direction of 45° True North. From the transmitter site driveway proceed to the left (west) to the intersection with highway 281. Turn right and proceed north for 1.5 miles. Turn right and proceed east for 2 miles. Turn left and proceed north for 0.25 mile to the monitor point. The point is at the edge of the road opposite a metal stake in the fence line. The monitor point is 2.51 miles from the KALV antenna system. The field intensity measured at this point should not exceed 2.9 mV/m Nighttime.

Direction of 75° True North. From the transmitter site driveway proceed to the left (west) to the intersection with highway 281. Turn right and proceed north for 1.5 miles. Turn right and proceed east for 4 miles. Turn right and proceed south for 0.55 miles to the monitor point. The point is in the middle of the road opposite a metal stake in the fence line. The monitor point is 3.9 miles from the KALV antenna system. The field intensity measured at this point should not exceed 1.85 mV/m Nighttime.

Direction of 95° True North. From the transmitter site driveway proceed to the left (west) to the intersection with highway 281. Turn left and proceed south for 1.5 miles to the intersection with highway 64. Turn left and proceed east for 5 miles. Turn left and proceed north for 1 mile. The point is located in the field on the north side of the road. The monitor point is 4.79 miles from the KALV antenna system. The field intensity measured at this point should not exceed 3.9 mV/m Daytime.

Direction of 115° True North. From the transmitter site driveway proceed to the left (west) to the intersection with highway 281. Turn left and proceed south for 1.5 miles to the intersection with highway 64. Turn left and proceed east for 3.35 miles to the monitoring point. The point is located on the south side of the highway opposite a metal stake in the fence line. The monitor point is 3.43 miles from the KALV antenna system. The field intensity measured at this point should not exceed 1.9 mV/m Nighttime.