

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BR-800131VR
BL-780901AD

RENEWAL & MODIFICATION
STANDARD BROADCAST STATION LICENSE

Call Sign: KALV

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, ¹/_{the LICENSEE}

MARTIN BROADCASTING 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 JUNE 1, 1983

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

1. On a frequency of 1430 kHz.
2. With nominal power of 500 watts nighttime and 500 watts daytime,

with antenna input power of 540 watts --- directional	COMMON POINT	current 3.22	amperes
antenna nighttime	COMMON POINT	resistance 52	ohms,
and antenna input power of 540 watts --- directional	COMMON POINT	current 3.22	amperes
antenna daytime	COMMON POINT	resistance 52	ohms
3. Hours of operation:

UNLIMITED TIME:

4. With the station located at: ALVA, OKLAHOMA
5. With the main studio located at: 1.4 mi. N. off Hwy. 64,
on Hwy, 281 Alva, Oklahoma
6. Remote control point: ---

7. Transmitter location: 1.4 mi. N. off Hwy. 64 on Hwy. 281 Alva, Oklahoma

North Latitude:	36 ° 49 ' 08 "
West Longitude:	98 ° 38 ' 11 "

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: NONE REQUIRED.
9. Transmitter(s): TYPE ACCEPTED
10. Conditions: ----

SUPERSEDED AUTHORIZATION ISSUED SAME DATE TO CORRECT THE SW (3) TOWER, AND THE MONITOR POINT AT 75 DEGREES NORTH.

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 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: JUNE 17, 1981

FEDERAL
COMMUNICATIONS
COMMISSION



BR-80013VR

File No.: BL-780901AD

Call Sign: KALV

Date: 6-17-81

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Four (4) guyed, series-excited, steel radiators of uniform cross section. Theoretical RMS: 136.4 mV/m day; 135 mV/m night. Standard RMS: 143.3 mV/m day.

DA- 2,

	<u>N(1)</u>	<u>WC(2)</u>	<u>EC(4)</u>	<u>SW(3)</u>
Height above Insulators:	150' (78.5°)	150' (78.5°)	120' (62.8°)	150' (78.5°)
Overall Height:	153'	153'	123'	153'

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 150 feet in length about the base of each tower. Intersecting radials shortended and bonded to transverse copper straps midway between adjacent towers. In addition, 120 interspaced radials 50 feet in length are installed at the base of the EC (#4) tower.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	N(1)	WC(2)	EC(4)	SW(3)
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.

6-17-81

Field measuring equipment shall be available at all times, and field intensity at each of the monitoring points shall be measured at least once every 30 days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 16° true North. From the transmitter site drive way 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° North. From the transmitter site drive way 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° North. From the transmitter site drive way 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° North. From the transmitter site drive way 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° North. From the transmitter site drive way 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.