FCC Form 352
May 1988

Two Site Operation Nighttime Site
UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. : BZ-970313AB

AM BROADCAST STATION LICENSE

Call Sign : KCTC/NITE

LICENSEE: American Radio Systems License Corporation — Entercom owned site

1. Community of License. . . : Sacramento, California

2. Transmitter location. . . . : 7907 Antelope North Road
Sacramento, CA

North Latitude. . . . . 38° 42' 42"
West Longitude . . . . . 121° 19' 44"

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)*
2225 19th Street
Sacramento, CA

5. Remote control location

6. Antenna and ground system:
Attached

7. Antenna Registration Number(s): Tower #1 is 1015868; Tower #2 is 1015869; Tower #3 is 1015870; Tower #4 is 1015871.

8. Frequency. . . . . : 1320 kHz

9. Nominal power (kW). . . . . : 5.0 Day 5.0 Night

Antenna input power (kW) :

Day ☐ Non-directional antenna: current _____ amperes: resistance _____ ohms.
☐ Directional antenna :

5.4 Night ☐ Non-directional antenna: current 10.0 amperes: resistance 54.0 ohms.
☒ Directional antenna :

10. Hours of operation : Unlimited

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
Dec 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.

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 f or control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

HKC

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

Dated: JUN 11 1997

FEDERAL COMMUNICATIONS COMMISSION

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1 **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Four(5) vertical, guyed series-excited steel radiators of uniform cross section. Theoretical RMS: 755.88 mV/m @ 1km. Standard RMS: 794.02 mV/m @ 1 km. Q factor: 22.361.

Height above Insulators: 75.71 m (120°)

Overall Height: 76.62 m

Spacing and Orientation: With the #1(SW) tower as reference, the array forms a straight line bearing 30.5° T. Tower #2(SC) is spaced 72.55 m (115°), tower #3(NC) is spaced 211.35 m (335°), tower #4 is spaced 283.89 m (450°).

Non-Directional Antenna: None.

Ground System consists of 120-equally spaced, buried, copper radials 57.91 m about the base of each tower except where shortened and bonded to radials of adjacent towers. A 7.32 m by 7.32 m copper ground screen about the base of each tower.

2. **THEORETICAL SPECIFICATIONS**

Towers:	#1(N)	#2(NC)	#3(C)	#4(SC)
Phasing:	0	95.290°	-66.750°	29.500°
Field Ratio:	1.000	1.000	1.000	0.800

3. **OPERATING SPECIFICATIONS**

Phase Indication*:	73.4°	161.7°	0°	97.1°
Antenna Base Current Ratio:	1.179	1.025	1.000	0.974
Antenna Monitor Sample Current Ratio:	0.962	0.916	1.000	0.786

* **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 INTENSITY MEASURED AT MONITORING POINTS:

Direction of 30.5° True North. This point is 3.22 km from array and corresponds to point #13. The field intensity measured at this point should not exceed 83.0 mV/m.

Direction of 73.1° True North. This point is 4.02 km from the array and corresponds to point #17. The field intensity measured at this point should not exceed 12.5 mV/m.

Direction of 116.2° True North. This point is 3.86 km from array and corresponds to point #17. The field intensity measured at this point should not exceed 197.5 mV/m.

Direction of 139.7° True North. This point is 6.44 km from array and corresponds to point #20. The field intensity measured at this point should not exceed 17.5 mV/m.

Direction of 210.5° True North. This point is 2.9 km from array and corresponds to point #13. The field intensity measured at this point should not exceed 397.0 mV/m.