

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-851017AB

Call Sign: ~~KAPE~~ **KCHL**

AM BROADCAST STATION LICENSE

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,<sup>1</sup> the LICENSEE

SIT 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 **AUGUST 1, 1990** in accordance with the following:

1. Station location: **San Antonio, Texas**
2. Main Studio location:  
(Listed only if not at transmitter site or not within boundaries of principal community)
3. Remote control location: **N/A**
4. Transmitter location: **3900 Martin Luther King Ave.  
San Antonio, Texas**  
North latitude: **29 ° 24 ' 45 "**  
West longitude: **98 ° 24 ' 52 "**
5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)
6. Antenna and ground system: **Attached**
7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: **None required.**
8. Frequency (kHz.): **1480**
9. Nominal power (kW): **2.5** Day  
Night  
Antenna input power (kW): **2.31** Day  
Night  
☐ Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☒ Directional antenna : current **6.4** amperes; resistance **56.4** ohms.  
☐ Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☐ Directional antenna : current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.
10. Hours of operation: Specified in construction permit (BP **-831123AB & BP-851025AA**)
11. Conditions: **- - -**

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.

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, as amended. 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, as amended.

<sup>1</sup> This license consists of this page and pages



**FEB 13 1986**

File NO.: BL-851017AB

Call Sign: KAPE

Date:

DA-D

# 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two guyed uniform cross-section towers and one tapered self-supporting tower. All elements are series-excited vertical steel radiators. All elements effectively employ 40' of toploading. Theo. RMS: 447.42 mV/m/km. Std. RMS: 470.02 mV/m/km.

Height above Insulators: 120' (65° + 25°t1)

Overall Height: 123'

Spacing and Orientation: From reference tower #1(C), tower #2(E) is spaced 90° on a bearing 82° T and tower #3(W) is spaced 90° on a bearing 262° T.

Non-Directional Antenna: None used

Ground system: Consists of 120-166' equally spaced, copper wire radials 30' x 30' ground screens at the base of each tower.

# 2. THEORETICAL SPECIFICATIONS

	Tower #1(C)	#2(E)	#3(W)
Phasing:	Day 0°	105°	-105°
Field Ratio	Day 1.005	0.500	0.500

# 3. OPERATING SPECIFICATIONS

Phase Indications*:			
Day	0°	98°	-94°

Antenna Base			
Current Ratio: Day	1.00	0.554	0.500

Antenna Monitor Sample			
Current Ratio: Day	1.00	0.93	0.96

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

ANTENNA SAMPLING SYSTEM APPROVED UNDER SECTION 73.68(b) OF THE RULES.

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 appropriate record kept of all measurements so made.

DESCRIPTION AND FIELD STRENGTH OF MONITORING POINTS:

Direction of  $48.5^\circ$  true North. From the transmitter proceed 1 block to Martin Luther King Avenue and turn right. Proceed 1 block to Upland Road and turn left. Proceed 1 mile to IH 10 and turn right. Proceed 3.45 mi. to Foster Road and turn left. Proceed 0.6 mi. to monitoring point which is on the east side of Foster Road adjacement to a small tree and an angle iron stake at the fence line. The field intensity measured at this point should not exceed 2.5 mV/m.

Direction of  $115.5^\circ$  true North. From the studio-transmitter building proceed 0.05 miles north on Hein to Martin Luther King and turn right. Proceed 0/05 miles to Upland Road and turn left. Proceed 1.05 miles to IH 10 service road and turn right. Proceed 1.6 miles to IH 410 West service road and turn right. Proceed 2.3 miles to US Highway 87. Make a U turn under IH 410 and proceed 0.3 miles on the east service road to point. The point is adjacement to a one way sign on the west side of the road opposite a metal gate which is located on the east side of the service road. The field intensity measured at this point should not exceed 1.3 mV/m.