FCC Form 352
December 1973

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BR-1957

Call Sign: K H E Y

STANDARD BROADCAST STATION LICENSE
MAIN AND AUXILIARY TRANSMITTERS

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

KIEY BROADCASTING, INC.

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, 1977

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

1. On a frequency of 690 kHz.
2. With nominal power of 10 kilo watts nighttime and 10 kilo watts daytime,
   with antenna input power of 10.5 kilo watts * directional antenna nighttime ..... [Common Point current 14.5 amperes; Common Point resistance 51 ohms,
   and antenna input power of 10.5 kilo watts * directional antenna daytime ..... [Common Point current 14.5 amperes; Common Point resistance 51 ohms
3. Hours of operation: Unlimited Time.
   Average hours of sunrise and sunset:
   Jan. 7:00 am to 5:30 pm; Feb. 6:45 am to 5:45 pm; Mar. 6:15 am to 6:15 pm; Apr. 5:45 am to 6:30 pm; May 5:15 am to 7:00 pm; June 5:00 am to 7:15 pm; July 5:15 am to 7:15 pm; Aug. 5:30 am to 6:45 pm; Sep. 5:45 am to 6:15 pm; Oct. 6:15 am to 5:30 pm; Nov. 6:30 am to 5:00 pm; Dec. 7:00 am to 5:00 pm; Mountain Standard Time (Non-Advanced).
   AUXILIARY: 1 kw DA-Night & Day; Common Point Current 4.60 amps. Antenna Input power 1.08 kw. Transmitter may be operated by remote control from 2419 North Piedras, El Paso, Texas.
4. With the station located at: El Paso, Texas
5. With the main studio located at:
   2419 North Piedras
   El Paso, Texas
6. The apparatus herein authorized to be used and operated is located at: North Latitude: 31° 58' 11"; West Longitude: 106° 21' 13"
   17 Miles N-N.E. of center of El Paso, Texas

) Transmitter(s): BAUER, FB-10-J (Main)
BAUER, 707 (Auxiliary)

)r other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12 & 21.
9. Conditions:*

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'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. 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, & 4.

Dated: SEPTEMBER 10, 1974

FEDERAL COMMUNICATIONS COMMISSION

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FCC Form 353-A
October 1954

File No. BR-1957 Call Letters KHEY Date 9-10-74

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- 2

No. and Type of Elements: Four (4) uniform cross-section, guyed series excited vertical steel radiators.

Height above Insulators: 350' (88.4°)

Overall Height: 353'

Spacing and Orientation: Towers arranged in the form of a rectangle with the long sides spaced 752.4' (190°) on a line bearing 110° True, and with the short sides spaced 396' (100°) on a line bearing 20° True.

Non-Directional Antenna: None used.

Ground System consists of 120-360' equally spaced, buried, radials, plus 120-50' interspaced radials terminated at a circular buss, about the base of each tower. Intersecting radials shortened and bonded to transverse buss midway between adjacent towers.

THEORETICAL SPECIFICATIONS

	Tower	W(#1)	N(#2)	E(#3)	S(#4)
Phasing:	Night	-86°	0°	0°	-86°
	Day	+214.2°	0°	+15.5°	+98.7°
Field Ratio:	Night	0.85	1.0	0.90	0.765
	Day	0.30	1.0	0.50	0.300

OPERATING SPECIFICATIONS

Phase Indication:*	Night	0°	86°	85°	0°
	Day	-145°	0°	16°	99°
Antenna Base Current Ratio:	Night	1.000	1.169	1.011	0.899
	Day	0.303	1.000	0.490	0.303
nna monitor mple Current Ratio:	Night	1.00	1.18	1.04	0.90
	Day	0.30	1.00	0.50	0.30

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

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 thirty days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 20° true North. From the KHEY property entrance gate proceed south 0.2 mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 1.94 miles to paved side-road, west 0.85 mile to monitoring point located at an iron pipe north of the road. An iron stake is located in the fence-line 30-feet north of the monitoring point. Distance 1.23 miles. The field intensity measured at this point should not exceed 124.0 mv/m (NIGHT).

Direction of 45° true North. From the KHEY property entrance gate proceed south 0.2 mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 1.94 miles to paved side-road, west 0.1 mile to monitoring point located at an iron pipe north the road. An iron stake is located in the fence-line 30-feet north of the nitoring point. Distance 1.66 miles. The field intensity measured at this nt should not exceed 64 mv/m (NIGHT).

Direction of 65° true North. From the KHEY property entrance gate proceed south 0.2 mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 1.15 miles to monitoring point located 5-feet east of paved road. An iron stake is located at the east edge of the right-of-way 10-feet east of the monitoring point. Distance 0.97 mile. The field intensity measured at this point should not exceed 120 mv/m (NIGHT).

Direction of 80° true North. From the KHEY property entrance gate proceed south 0.2 mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 0.61 mile to monitoring point located at an iron pipe west of the paved road. An iron stake is located at the west edge of the right-of-way 10 feet west of the monitoring point. Distance 0.74 mile. The field intensity measured at this point should not exceed 136 mv/m (DAY).

Direction of 90° true North. From the KHEY property entrance gate proceed south mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 0.65 mile o monitoring point located at an iron pipe west of the paved road. An iron stake s located at the west edge of the right-of-way 10-feet west of the monitoring oint. Distance 0.70 mile. The field intensity measured at this point should not xceed 34.0 mv/m (NIGHT).

irection of 128° true North. From the KHEY property entrance gate proceed south .2 mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 0.32 mile o paved side-road, easterly 0.08 mile to monitoring point located 15-feet south f the paved road. An iron stake is located at the south edge of the right-of- y 5-feet south of the monitoring point. Distance 0.64 mile. The field intensity easured at this point should not exceed 700.0 mv/m (DAY).

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS: (Continued).

Direction of 272° true North. From the KHEY property entrance gate proceed south 0.2 mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 1.94 miles to paved side-road, west 4.47 miles to farm road 2529, south 0.97 mile to monitoring point located at an iron pipe west of the road. An iron stake is located in the fence-line 15-feet west of the monitoring point. Distance 3.17 miles. The field intensity measured at this point should not exceed 28.0 mv/m; (NIGHT).

Direction of 288° true North. From the KHEY property entrance gate proceed south 0.2 mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 1.94 miles to paved side-road, west 4.47 miles to farm road 2529, south 0.1 mile to monitoring point located at an iron pipe west of the road. An iron stake is located in the fence-line 15-feet west of the monitoring point. Distance 3.35 miles. The field intensity measured at this point should not exceed 12.0 mv/m; (NIGHT).

Direction of 310° true North. From the KHEY property entrance gate proceed south 0.2 mile to cross-road, easterly 0.32 mile to US Highway 54, northerly 1.94 miles to paved side-road, west 2.67 miles (0.13 West of ranch entrance) to monitoring point located at an iron pipe north of the road. An iron stake is located in the fence-line 30-feet north of the monitoring point. Distance 1.76 miles. The field intensity measured at this point should not exceed 20.0 mv/m;(NIGHT); 100.0 mv/m; (DAY);