

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-800528AD

STANDARD BROADCAST STATION LICENSE  
MODIFICATION

Call Sign: K K Y N

Fac ID: 54681

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, <sup>L</sup>the LICENSEE

KEITH ADAMS, JAMES D. SHELTON AND RAY HERNDON DBA ADAMS-SHELTON KKYN

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, 1983

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

1. On a frequency of 1090 kHz.
2. With nominal power of 500 watts nighttime and 5 kilo watts daytime,  
with antenna input power of 540 watts --- directional  
antenna nighttime .....  
and antenna input power of 5400 watts --- directional  
antenna daytime .....  
Common Point current 3.43 amperes  
Common Point resistance 46 ohms,  
Common Point current 10 amperes  
Common Point resistance 54 ohms
3. Hours of operation: Unlimited:  
Average hours of sunrise and sunset:  
Jan. 8:00 am to 6:00 pm; Feb. 7:30 am to 6:30 pm;  
Mar. 7:00 am to 7:00 pm; Apr. 6:15 am to 7:15 pm;  
May 5:45 am to 7:45 pm; June 5:30 am to 8:00 pm;  
July 5:45 am to 8:00 pm; Aug. 6:00 am to 7:30 pm;  
Sep. 6:30 am to 7:00 pm; Oct. 6:45 am to 6:15 pm;  
Nov. 7:15 am to 5:45 pm; Dec. 7:45 am to 5:45 pm;  
Central Standard Time (Non-Advanced)
4. With the station located at: Plainview, Texas
5. With the main studio located at: 2202 Edgemere Street  
Plainview, Texas
6. Remote control point: Same as main studio location.
7. Transmitter location: 5.8 miles South of intersection North Latitude: 34° 05' 32"  
U.S. Hwy. 70 & FM Road, 789, Plainview, Texas West Longitude: 101° 38' 26"

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 11 & 21.

9. Transmitter(s): Type Accepted

10. Conditions: ---

Supersede authorization same date to correct licensee name, nominal power, overall height of directional antenna, theoretical specifications, and description of monitor point.

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.

<sup>L</sup>This license consists of this page and pages 2, 3 & 4.

Dated: June 16, 1981

FEDERAL  
COMMUNICATIONS  
COMMISSION



File No.: BL-800528AD

Call Sign: KKYN

Date: 6-16-81

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- 2

No. and Type of Elements: Four, guyed, series-excited, steel radiators of uniform cross-section. Theoretical RMS: 281.0 mV/m, Day; 124.1 mV/m, night  
Standard RMS: 295.2 mV/m, Day; 130.4 mV/m, night.

Height above Insulators: 225' (90°)

Overall Height: 229 ft.

Spacing and Orientation: Four in line towers, spaced 471.44 ft. (188°) on a bearing of 60.5° true.

Non-Directional Antenna: None

Ground System consists of 120 copper radials 250 ft. long at the base of each or to intercepting bonding straps.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower:	SW(#1)	SC(#2)	NC(#3)	NE(#4)
	Night	0°	48,72°	-98.20°	147°
	Day	0°	15°	-137°	
Field Ratio:	Night	1	2.3375	2.3375	1
	Day	1	0.7	0.4	

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	SW	SC	NC	NE
Night	-49°	0°	0°	50°	99°
Day	0°	0°	0°	-136°	--

Antenna Base Current Ratio:	Night	SW	SC	NC	NE
Night	0.397	1.00	0.950	0.364	
Day	1.00	0.651	0.333	--	

Antenna Monitor Sample Current Ratio:	Night	SW	SC	NC	NE
Night	0.436	1.00	0.96	0.395	
Day	1.00	0.69	0.35	--	

\*As indicated by Delta Electronics AAM-1 (3-235)

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 an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 15.4° true North. From the transmitter gate, proceed East .3 miles to the county road, and turn North on the county road. After .64 miles turn East for one mile to Highway 789, then North on 789 for 2.5 miles to the yellow painted power pole at red brick house. Turn West on the dirt road for 250 ft. The monitor point is located at the yellow stake. This point is located 3.03 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 3.15 mv/m Nighttime.

Direction of 29.8° true North. From the transmitter gate, proceed East .3 miles to the county road, and turn North on the county road. After .64 miles turn East for one mile to Highway 789, then North on 789 for 2.0 miles. Turn East on county road for 1 mile and turn North for .5 mile on county road. Turn West on county road for .2 miles and the monitor point is located 150 ft. East of a water well at stake by road. This point is located 3.31 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 12.3 mv/m Daytime.

Direction of 79.2° true North. From the transmitter gate, proceed East .3 miles to the county road, and turn North on the county road. After .64 miles turn East on county road for two miles, then South for .275 miles. The monitor point is located at the gas meter with the yellow paint marker. This point is located 2.63 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 3.0 mv/m Nighttime.

Direction of 91.2° true North. From the transmitter gate, proceed East .3 miles to the county road, and turn South on the county road for .375 miles. Turn East on the county road and proceed East for one mile to the intersection of Highway 789 and 2883. Continue East on Highway 2883 1.4 miles, then turn North for .1 mile. The monitor point is located around the buildings at the stand pipe behind the barn. This point is located 3.0 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 13.9 mv/m Daytime.

Direction of 105.6° true North. From the transmitter gate, proceed East .3 miles to the county road, and turn South on the county road for .375 miles. Turn East on the county road and proceed East for one mile to the intersection of Highway 789 and 2883. Continue East on Highway 2883 1.5 miles, then turn South on the paved road for .675 miles. The monitor point is located 100 ft. West of the orange painted pole. This point is located 3.23 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 2.0 mv/m Nighttime.

Direction of 124.6° true North. From the transmitter gate, proceed East .3 miles to the county road, and turn South on the county road for .375 miles. Turn East on the county road and proceed East for 1.0 miles to Highway 789. Turn South on Highway 789 and proceed for 1 mile, then turn East on the county road for 1 mile. Turn South on the turn row for .6 mile. The monitor point is located 150 ft. North of painted stand pipe. This point is located 3.16 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 1.7 mv/m Nighttime.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS: (CONT'D)

Direction of 158.7° true North. From the transmitter gate, proceed East .3 miles to the county road, and turn South on the county road for 2.50 miles. Turn East on the county road and proceed East for .25 miles. Turn South for .22 miles, and then turn East for .15 miles. This point is located 2.67 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 172 mv/m Daytime.

Direction of 225.9° true North. From transmitter gate go West 2.3 miles, then turn South on county road for 2.25 miles to the orange painted pole. The monitor point is located 200 ft. West in the field. This point is located 3.1 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 1.37 mv/m Nighttime.

Direction of 240.5° true North. From transmitter gate go West 2.3 miles, then turn South on county road for 1.35 miles to the orange painted pole. The monitor point is located 100 ft. West in the field. This monitor point is located 2.5 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 37.7 mv/m Daytime.

Direction of 255.1° true North. From transmitter gate go West 3.35 miles to Highway 400. Turn South for .95 miles until encountering a dirt road that turns East. The monitor point is located 100 ft. East at the pipe with a yellow band painted on it. This point is located 3.27 miles from the center of the KKYN array. The field intensity measured at this point should not exceed 1.6 mv/m Nighttime.