

AM BROADCAST STATION LICENSE

Call Sign:

KFYO

FILED 61151

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

South Plains Broadcasting Co., 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, 1990 in accordance with the following:

1. Station location: Lubbock, TX

2. Main Studio location:

(Listed only if not at transmitter site or not within boundaries of principal community)

3. Remote control location:

4. Transmitter location: 0.9 miles south on FM 1730
FM intersection of FM 1730 &
1585, Lubbock, TX

North latitude : 33 ° 27 ' 50 "
West longitude: 101 ° 55 ' 30 "

5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)

6. Antenna and ground system: See page 2 attached

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 12, 21 & 22

8. Frequency (kHz.): 790

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

Antenna input power (kW): 5.4 Day

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 10.4 amperes; resistance 50 ohms.

1.08 Night

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 4.65 amperes; resistance 50 ohms.

10. Hours of operation: Specified in construction permit (BP -860925AF)

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.

¹ This license consists of this page and pages

2, 3,

edr/JDS

Dated:

MAY 24 1988

FEDERAL
COMMUNICATIONS
COMMISSION



File NO. BL-880209AE

Call Sign: KFYO

Date:
DA- 2

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three (3) vertical, guyed, series-excited, steel radiators of uniform cross section. Day Theo. RMS - 687.3 mV/m/Km. Std. RMS = 722.02 mV/m/Km; Q=22.36 Night Theo. RMS = 301.4 mV/m/Km; Q = 10.

Height above Insulators: 300 feet (87 degree)

Overall Height: 307 ft.

Spacing and Orientation: With Tower #1 as reference, Tower #2 is spaced 95° at a bearing of 180° T. Tower #3 is spaced 210° on a bearing of 119°.

Non-Directional Antenna: Not Used

Ground System consists of 120 equally-spaced buried copper radials 311 feet in length where terminated to a copper strap, plus 24' x 24' copper ground screen around the base of each tower.

2. THEORETICAL SPECIFICATIONS

	Tower	N(#1)	S(#2)	SE(#3)
Phasing:	Night	0°	-200°	18°
	Day	85°	0°	- -
Field Ratio:	Night	1.0	0.250	0.500
	Day	0.38	1.0	- -

3. OPERATING SPECIFICATIONS

Phase Indication*:

Night	0°	154.4°	17.8°
Day	85.1°	0°	- -

Antenna Base

Current Ratio:

Night	1.00	0.260	0.580
Day	0.364	1.00	- -

Antenna Monitor Sample

Current Ratio: Night	1.00	0.255	0.551
Day	0.380	1.00	- -

* As indicated by Gorman-Redlick CM (239) Antenna Monitor.
Sampling system approved under Section 73.68(b) of the Rules.

KFY0

BL-880209AE

DESCRIPTION OF AND STRENGTH OF MONITORING POINTS

Direction of 1.0 degrees true north. From KFY0 transmitter, turn left (north) and go 3.85 miles on FM 1730 to shopping center on west side of road. The monitor point is in the parking lot. The point is number 17 and is 6.08 km from KFY0. The field intensity measured at this point should not exceed 61.7 mV/m daytime.

Direction of 180 degrees true north. From KFY0 transmitter, turn (south) on FM 1730 go 3.55 miles to flashing light in Slide and turn left (east) on Hwy 41. Go east 0.25 miles to monitoring point. The monitor point is on the north side of the highway. The point is number 16 and is 5.47 km from KFY0. The field intensity measured at this point should not exceed 161 mV/m daytime.

Direction of 85 degrees true north. From KFY0 transmitter, turn left (north) on FM 1730 for 0.85 miles to FM 1585. Turn right (east) on FM 1585 and go 2 miles and turn right (south) for 0.65 miles to monitor point. The monitor point is on the east side of the road. The point number is 16 and is 3.54 km from KFY0. The field intensity measured at this point should not exceed 29.1 mV/m nighttime.

Direction of 163 degrees true north. From KFY0 transmitter, turn right (south) on FM 1730 and go to flashing light in Slide and turn left (east) on Hwy 41. Go 1.27 miles east to monitor point. The monitor point is on the north side of Hwy 41. The point is number 15 and is 5.79 km from KFY0. The field intensity measured at this point should not exceed 25.5 mV/m nighttime.

Direction of 272 degrees true north. From KFY0 transmitter, turn left (north) on FM 1730 and go 0.85 miles to FM 1585. Turn left (west) and go 5.0 miles. Turn left (south) on to Hwy 179 and go 0.69 miles to monitor point. The monitor point is on the west side of Hwy 179. The point is number 18 and is 7.81 km from KFY0. The field intensity measured at this point should not exceed 16.2 mV/m nighttime.

Direction of 321 degrees true north. From KFY0 transmitter, turn left (north) on FM 1730 and go 0.85 miles to FM 1585. Turn left (west) and go 3 miles. Turn right (north) and go 2.65 miles. Turn right (east) on Upland Avenue go 100 feet to monitor point at edge of street. The point number is 20 and is 7.32 km from KFY0. The field intensity measured at this point should not exceed 26.6 mV/m nighttime.