

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-860626AA

10# 198
Call Sign: KULY

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,¹ the LICENSEE

GRANT COUNTY BROADCASTING CO.

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 in accordance with the following:

JUNE 1, 1990

1. Station location: Ulysses, KS

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: On U.S. Highway 270
1.85 mi. S of City Limits of
Ulysses, Kansas

North latitude : 37 ° 32 ' 53 "
West longitude: 101 ° 21 ' 49 "

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.

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: None required.

8. Frequency (kHz.): 1420

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

Antenna input power (kW): 1.08 Day

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 4.56 amperes; resistance 52.0 ohms.

0.540 Night

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 3.22 amperes; resistance 52 ohms.

10. Hours of operation: Specified in construction permit (BR-4473)

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

Dated: APR 23 1987

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FEDERAL
COMMUNICATIONS
COMMISSION



MAY 1 1987

June 1950

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Date:

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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two uniform cross-section, guyed, series-excited vertical steel radiators.

Height above Insulators: 150' (78°)

Overall Height: 153'

Spacing and Orientation: Towers are spaced 173' (90°) apart on line bearing 312° True.

Non-Directional Antenna: None used.

Ground System consists of 120 equally spaced buried copper radials plus 120 interspaced 50' radials about the base of each tower. Intersecting radials are shortened and bonded to transverse copper strap midway between towers.

2. THEORETICAL SPECIFICATIONS

	Tower	NW(#1)	SE(#2)
Phasing:	Night:	0°	149.2°
	Day:	0°	98.4°
Field Ratio:	Night:	1.0	0.637
	Day:	1.0	0.612

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night:	0°	149.6°
	Day:	0°	98°

Antenna Base Current Ratio:	Night:	1.0	0.636
	Day:	1.0	0.616

Antenna Monitor Sample Current Ratio:	Night:	1.0	0.635
	Day:	1.0	0.615

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

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DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 62 degree true North. From the intersection of U.S. Highway #270 and the East/West Section line road (at the S.E. corner of the KULY transmitter land area), proceed East 1.0 mile. At the road intersection turn North, proceed 0.6 mile. The field intensity measured at this point should not exceed 44.1 mV/m, Nighttime.

Direction of 132 degree true North. From the intersection of U.S. Highway #270 and the East/West Section line road (at the S.E. corner of the KULY transmitter land area), proceed East 1.0 mile. At the road intersection turn south, proceed 0.85 mile. The field intensity measured at this point should not exceed 54.1 mV/m, Daytime and 85.1 mV/m, Nighttime.