

AM BROADCAST STATION LICENSE

Call Sign:

KGLC

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

DUKE CORPORATION

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: Miami, Oklahoma

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: 5 miles East of Miami, OK

North latitude : 36° 53' 27"
West longitude: 94° 47' 00.5"

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: 1, 3, 12 & 21.

8. Frequency (kHz.): 910

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

Antenna input power (kW): 1.08 Day

Non-directional antenna: current _____ amperes; resistance _____ ohms.
Directional antenna : current 3.93 amperes; resistance 70 ohms.

1.08 Night

Non-directional antenna: current _____ amperes; resistance _____ ohms.
Directional antenna : current 3.93 amperes; resistance 70 ohms.

10. Hours of operation: Specified in construction permit (BP - Unlimited

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 & 4

KN/ajs

FEDERAL COMMUNICATIONS COMMISSION



OCT 26 1988

Dated: OCT 24 1988

June 1980

File NO. BZ-880426AB

Call Sign: KGLC

Date:

DA- 1

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three (3) vertical, guyed, series excited, steel radiators of uniform cross section 82.3 m (90°) in height (84.1 m Overall). Theoretical RMS 284.85 mV/m @ 1 km. Augmented RMS: 300.87 mV/m @ 1 km.

Height above Insulators: 82.3 m (90°)

Overall Height: 84.1 m

Spacing and Orientation: 270° between adjacent towers line of towers bears 158° True.

Non-Directional Antenna: None Used.

Ground System consists of 120 equally spaced, buried, copper radials 82.3 m in length about the base of each tower.

2. THEORETICAL SPECIFICATIONS

	N(#1)	C(#2)	S(#3)
Phasing:	0°	10°	0°
Field Ratio:	0.507	1.0	0.507

3. OPERATING SPECIFICATIONS

Phase Indication*:	0°	4°	0°
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Antenna Base			
Current Ratio:	0.512	1.0	0.558

Antenna Monitor Sample			
Current Ratio:	0.561	1.0	0.561

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

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

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 26.5° true North. Starting from the front of the KGLC Transmitter Building, drive north on Highway 137 for 2.9 miles. Turn right (East), travel 1.4 miles. Turn South, travel 0.25 miles. Measurement point is in the center of the road, 20 feet North of the curve. Distance is 3 miles. Field intensity measured at this point should not exceed 11.2 mV/m.

Point #2, direction of 50.5° true North. From Monitor Point 26.5° , proceed East 0.5 miles. Turn North, travel 0.35 miles. Turn East and follow road 1.4 miles where you will cross IH-44 on an overpass. Continue 0.1 mile past the overpass and turn West. Travel 0.2 miles. Turn South and travel 0.2 miles. The KGLC Monitor Point Sign is located on a power pole on the East side of the road. Measure on the west side of the road, 25 feet north of the sign post. Distance 3.9 miles. The field intensity measured at this point should not exceed 44.7 mV/m.

Point #3, direction of 89° true North. From Point Monitor Point 50.5° drive south .5 mile, turn east, go 1.25 miles, turn south go 1.1 miles, turn southwest, go 0.75 miles, cross small culvert go 0.05 mile farther, measure on west side of road, by large tree which is ten feet west of fence on west side of road. The point is marked with a KGLC sign on the fence. Distance 3.9 miles. The field intensity measured at this point should not exceed 46.9 mV/m.

Point #4, direction of 130.5° true North. From monitor point 89° , drive south 1.8 miles, turn west on Highway 10, go 1.9 miles, turn south, go 0.25 miles. Measure in the center of the road, 10 feet South of state on West side of road. Distance 2.5 miles. The field intensity measured at this point should not exceed 33.8 mV/m.

Point #5, direction of 160° true North. From Monitor Point 130.5° , drive 0.25 mile north to highway 10. Turn west, go 1.25 miles, turn south, go 1.5 miles, turn east, go 0.2 miles, turn south, go 0.5 miles, to east 0.35 miles. Measure at center of road, half way between poles on south side of road. Distance 3.5 miles. The field intensity measured at this point should not exceed 45.5 mV/m.

oint #6, direction of 205° true North. From monitor point 160°, travel east 1.35 miles to Highway 137. Continue West 1.42 miles. Measure on North side of road next to tree with KGLC sign. Distance 3.6 miles. The field intensity measured at this point should not exceed 15.5 mV/m.

oint #7, direction of 293° true North. From Monitor Point 205°, travel east 0.33 miles. Turn North, travel 0.8 miles. Turn West, travel 0.25 miles. Turn North, travel 1.2 miles to Highway 10. Continue North, 2.0 miles. Turn West and travel 1.0 miles. Turn North and travel 0.7 miles. Measure on West side of road, midway between second and third power line poles South of Railroad Tracks. Distance 3.45 miles. The field intensity measured at this point should not exceed 18.3 mV/m.