



**Audio Division**

(202)-418-2700

FCC > MB > Audio Division > AM Query

**AM Query & AM List Results**

FM Query TV Query

FCC site map

AM Query results are derived from the public files at <http://www.fcc.gov/mb/databases/cdbs/>. Requests to correct data should be referred to [Son Nguyen, son.nguyen@fcc.gov](mailto:son.nguyen@fcc.gov). Comments on the AM Query may be referred to [Dale Bickel, dale.bickel@fcc.gov](mailto:dale.bickel@fcc.gov).

Mon Jan 25 11:41:43 2010 Eastern Time

**Search Parameters**

Facility ID No.: 61593  
 Lower Frequency 530  
 Upper Frequency 1700

Next Record

**KKRX** **OK LAWTON** **USA**  
 Nighttime

Licensee: PERRY BROADCASTING OF LAWTON, INC.

1050 kHz Licensed

Domestic Station Class: D Region 2 Station Class (corresponds to W. Hemisphere): B  
 Coordination Status: Canada: International Objection Mexico: - Region 2: -  
 File No: BL-- Facility ID No.: 61593  
 CDBS Application ID No.: 306763

34° 35' 27.00" N Latitude Power: 0.0 kilowatts (kW) Nighttime  
 98° 21' 10.00" W Longitude (NAD 27)

DA2 - Directional Antenna: Different constants day and night  
 Number of Augmentations to standard directional pattern: 10  
 Augmentations:

Aug. No.	Center Azimuth	Span [Beginning & ending azimuth ±(0.5 * span)]	Augmented Field Strength (mV/m at 1 km)
1	23.50°	17.00°	12.00
2	32.00°	17.00°	10.60
3	42.00°	20.00°	10.30
4	52.00°	20.00°	10.30
5	62.00°	20.00°	10.30
6	72.00°	20.00°	10.60
7	82.00°	20.00°	12.00
8	162.00°	92.00°	42.10
9	296.00°	86.00°	43.10
10	344.50°	61.00°	23.90

RMS Augmented: 0.00 mV/m at 1 kilometer  
 RMS Theoretical: 23.99 mV/m at 1 kilometer

2 towers in the directional array CDBS Ant. System ID: 6345

**Tower information:**

Tower No.	Field Ratio	Phase (deg)	Spacing (deg)	Orientation (degrees)	Electrical Height (deg)	Twr Ref. (#0)	-No Top Loaded or Sectionalized Tower(s)-	Antenna Structure Registration Number
1	1.000	0.00	0.00	0.00	86.50	0	A B C D	0.00 0.00 0.00 0.00
2	0.680	90.00	90.00	52.00	86.50	0		0.00 0.00 0.00 0.00

Horizontal Pattern at 1 km radius (Sections 73.150 and 73.152):  
[Electric Field Strength pattern plot](#)  
[Pattern Data for KKRX](#)

Approximate Sunrise & Sunset Times => Central time zone

CDBS: [Station Info](#) [Application Info](#) [Mailing Address](#) [Assignments and Transfers](#)  
[Application List](#) [CDBS Search Page](#) [Ownership Info](#) [EEO](#) [Call Sign Changes](#)  
[Correspondence for KKRX](#) [Correspondence for application BL--](#)  
 Maps: [Region Map](#) [Area Map](#) [Local Map](#)  
 ULS: [Related facilities in ULS](#)  
[ASRNs within 0.5 km radius](#)

Previous Record -- Next Record

**KKRX** **OK LAWTON** **USA**  
 Daytime

Licensee: PERRY BROADCASTING OF LAWTON, INC.

1050 kHz Licensed

Domestic Station Class: D Region 2 Station Class (corresponds to W. Hemisphere): B  
 Coordination Status: Canada: International Objection Mexico: - Region 2: -  
 File No: BL-- Facility ID No.: 61593  
 CDBS Application ID No.: 306763

34° 35' 27.00" N Latitude Power: 0.0 kilowatts (kW) Daytime  
 98° 21' 10.00" W Longitude (NAD 27)

DA2 - Directional Antenna: Different constants day and night  
 Number of Augmentations to standard directional pattern: 10  
 Augmentations:

Aug. No.	Center Azimuth	Span [Beginning & ending azimuth ±(0.5 * span)]	Augmented Field Strength (mV/m at 1 km)
1	23.50°	17.00°	56.33
2	32.00°	17.00°	49.89
3	42.00°	20.00°	48.28
4	52.00°	20.00°	48.28
5	62.00°	20.00°	48.28
6	72.00°	20.00°	49.89
7	82.00°	20.00°	56.33
8	162.00°	92.00°	197.95
9	296.00°	86.00°	202.78
10	344.50°	61.00°	112.65

RMS Augmented: 0.00 mV/m at 1 kilometer  
 RMS Theoretical: 152.89 mV/m at 1 kilometer

2 towers in the directional array CDBS Ant. System ID: 6347

Tower information:

Tower No.	Field Ratio	Phase (deg)	Spacing (deg)	Orientation (degrees)	Electrical Height (deg)	Twr Ref.	-No Top Loaded or Sectionalized Tower(s)- (#0)	A	B	C	D	Antenna Structure Registration Number
1	1.000	0.00	0.00	0.00	86.50	0	0	0.00	0.00	0.00	0.00	
2	0.680	90.00	90.00	52.00	86.50	0	0	0.00	0.00	0.00	0.00	

Horizontal Pattern at 1 km radius (Sections 73.150 and 73.152):  
 Electric Field Strength pattern plot  
 Pattern Data for KKRX

Approximate Sunrise & Sunset Times => Central time zone

CDBS: [Station Info](#) [Application Info](#) [Mailing Address](#) [Assignments and Transfers](#)  
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UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
MODIFIED

File No.: BZ-9626

Call Sign: K C C O

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, <sup>1/</sup>the LICENSEE

PROGRESSIVE BROADCASTING COMPANY

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 June 1, 1980

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

- On a frequency of 1050 kHz.
- With nominal power of - watts nighttime and 250 watts daytime,  
with antenna input power of - watts - directional  current - amperes  
antenna nighttime .....  resistance - ohms,  
and antenna input power of 270 watts - directional  common point current 1.92 amperes  
antenna daytime .....  common point resistance 73.5 ohms
- Hours of operation: Daytime as follows:  
Jan. 7:45am to 5:45pm; Feb. 7:15am to 6:15pm;  
Mar. 6:45am to 6:45pm; Apr. 6:00am to 7:00pm;  
May 5:45am to 7:30pm; June 5:15am to 7:45pm;  
July 5:30am to 7:45pm; Aug. 6:00am to 7:30pm;  
Sep. 6:15am to 6:45pm; Oct. 6:45am to 6:00pm;  
Nov. 7:00am to 5:30pm; Dec. 7:30am to 5:30pm;  
Central Standard Time (non-advanced)

4. With the station located at: Lawton, Oklahoma

5. With the main studio located at: 1525 South Flower Mound Road, Lawton, Oklahoma

6. Remote control point:

7. Transmitter location:  
1525 South Flower Mound Road  
Lawton, Oklahoma

North Latitude:  
West Longitude:

34 35 27  
98° 21' 10"  
0 ' "

- Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 11 & 21.
- Transmitter(s): RCA MFG. CO. (Auxiliary) BTA-250-L (Main)
- Conditions:

This supersedes page 2 of authorization issued same date to add condition .

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>1/</sup>This license consists of this page and pages 2 & 3.

Dated: April 27, 1978

ejg

FEDERAL  
COMMUNICATIONS  
COMMISSION



*[Handwritten signature]*

File No.: BZ-9626

Call Sign: KCCO

Date: 4-27-78

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

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

Height above Insulators: 225' {86.5<sup>0</sup>}

Overall Height: 230'

Spacing and Orientation: Spaced 235' {90<sup>0</sup>} on a line bearing 52<sup>0</sup> true.

Non-Directional Antenna: None used.

Ground System consists of 120-235' equally spaced buried copper radials about the base of each tower. Intersecting radials are shortened and bonded to common copper strap midway between towers.

2. THEORETICAL SPECIFICATIONS

	Tower	SW {No. 1}	NE {No. 2}
Phasing:		0 <sup>0</sup>	90 <sup>0</sup>
Field Ratio:		1.0	.68

3. OPERATING SPECIFICATIONS

Phase Indication*:		0 <sup>0</sup>	127 <sup>0</sup>
Antenna Base Current Ratio:		1.000	0.626
Antenna Monitor Sample Current Ratio:		1.000	0.750

\*As indicated by Potomac Instruments AM-19{204} antenna monitor.  
"Section 73.114(A)(8) of the rules and any requirement for weekly monitoring point readings are WAIVED during proper operation of approved sampling system: Provided, monitoring point reading are made at least once every thirty days."

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, (9-A), direction of  $32^{\circ}$  true North. From the junction of Highway 277 and Highway 7 proceed 3.3 miles east on Highway 7. Turn north and continue exactly 2.0 miles. Turn east 0.3. The monitoring point is at the top of a small rise by a little tree on the south side of the road. The distance to the transmitter is 2.6 miles. The field intensity measured at this point should not exceed 10.2 mV/m.

Point #2, direction of  $72^{\circ}$  true North. From point #1 return 0.3 mile west. Turn south for 1.86 miles. The monitoring point is about 300 feet south of a small telephone line and about 750 feet north of Highway 7. The distance to the transmitter is 1.15 miles. The field intensity measured at this point should not exceed 24.5 mV/m.

## TECHNICAL MATTERS

### DEFINITIONS OF TERMS USED IN AUTHORIZATION

NOMINAL POWER: The approximate power that the station can use. It is listed only to provide general reference.

ACTUAL POWER: The actual power used by the station.

ANTENNA INPUT POWER: Same as actual power.

CONVERSION FACTOR: The number used to calculate the actual power to be used. See CALCULATION METHOD listed below.

CALCULATION METHOD: To determine the antenna current (or common point current) for post-sunset operation, multiply the antenna current (or common point current) on the station's license by the Conversion Factor on the Post-Sunset Authorization.

### EXPLANATION OF OPERATING PERIODS LISTED IN AUTHORIZATION

The post-sunset period begins at local sunset and continues until two hours after local sunset.

Some stations have post-sunset authorizations that allow operation during the entire two hour post-sunset period. Other stations have authorizations specifying operation for only part of this period.

The periods of post-sunset operation and the powers to be used have been calculated for each station, and the times of operation for each month appear on its authorization. No post-sunset operation beyond the times or powers on the PSSA is permitted.

Post-Sunset operating times and powers can vary from month-to-month and take into account the change from standard time to advanced time or vice versa. For some stations, it may not be possible to operate at all in certain months of the year.

### IMPORTANT NOTE

Pending completion of negotiations with Mexico, NO STATION MAY CONDUCT POST-SUNSET OPERATION BEYOND 6:00 PM LOCAL TIME. However, the station may continue to operate beyond 6:00 PM local time whenever permitted by its regular license.

### FOR ADDITIONAL INFORMATION PLEASE CALL

Policy and Rules Division, Mass Media Bureau;  
Frederic Schottland, or Wilson LaFollette at (202) 632-5414,  
or Jonathan David at (202) 632-7792.

(over)

**W. H. BRADLEY**

Consulting Radio Engineering

300 WEST 41<sup>ST</sup> STREET

SAND SPRING, OKLA. 74063

AREA CODE: 918

5-5444

45-5603

W. H. BRADLEY, P. E.

BYRON BRADLEY, BSEE

Nov. 1, 1978

AMENDMENT TO OPERATING INSTRUCTIONS FOR  
RADIO STATION KCCO

CORRECTION IN OPERATING CURRENTS WITH RESPECT TO PRESUNRISE OPERATION.

The authorized presunrise power for radio station KCCO is 13.5 watts. Since KCCO is a directional station the rules specify in section 73.51 (b) (1) that the authorized antenna input power to directional antennas with nominal powers under 5 kW shall exceed the nominal power by 8 percent. Therefore the authorized antenna input power of the KCCO presunrise operation is 14.58 watts, and the normal operating parameters are as follows:

AUTHORIZED NOMINAL POWER	ANTENNA INPUT POWER
13.5 watts	14.58 watts
MAXIMUM CURRENT LIMIT .....	0.456 Amps.
NORMAL OPERATING CURRENT .....	0.445 Amps.
MINIMUM CURRENT LIMIT .....	0.423 Amps.

Byron Bradley

\*\*\*\*\*  
ADVANCED NOTICE OF PARAMETERS FOR  
OPERATION UNDER POST-SUNSET AUTHORITY (PSSA)

( Post this letter with your current authorization )  
\*\*\*\*\*

KCCO  
KCCO-KRLG, INC.  
P. O. BOX 1050  
LAWTON

OK 73502

\*\*\*\*\*  
\* In accordance with Section 73.99 of the FCC Rules and Regulations, \*  
\* PSSA operation will be permitted until 6:00 p.m. local time. \*  
\* HOWEVER, SUCH OPERATION MAY NOT BEGIN UNTIL FURTHER NOTICE. \*  
\*\*\*\*\*

CALL SIGN: KCCO      FREQ: 1050KHZ   CITY: LAWTON                      STATE: OK

MAXIMUM NOMINAL POWER PERMITTED DURING PSSA: 11.4 WATTS ( ANTENNA INPUT  
POWER DURING PSSA IS NOT ALWAYS THE SAME AS NOMINAL POWER LISTED HERE)

ANTENNA SYSTEM USED:   DAYTIME   (LICENSE)

ANTENNA CURRENT CONVERSION FACTOR: 0.21

CONTINUED ON REVERSE SIDE

REVISED PARAMETERS FOR OPERATION UNDER POST-SUNSET AUTHORITY (PSSA)

(Post this letter with your current authorization )

THIS AUTHORIZATION SUPERSEDES ANY PREVIOUS POST-SUNSET AUTHORITY

\*\*\*\*\*

On December 10, 1984, Post-Sunset operation as set forth below can begin.

These values may not be exceeded, but operation at lower power is permitted.

\*\*\*\*\*

CALL: KCCO CITY: LAWTON STATE: OK CALCULATIONS BASED ON:  
 FREQUENCY: 1050 KHZ ANTENNA: DAYTIME LICENSED FACILITIES

MONTH	TIME PERIOD	POWER WATTS	CONV. FACTOR	MONTH	TIME PERIOD	POWER WATTS	CONV. FACTOR
JAN	5:45- 6:45	12.1	0.2198	JULY	8:45- 9:45	12.1	0.2198
	6:45- 7:45	12.1	0.2198		9:45-10:45	12.1	0.2198
FEB	6:15- 7:15	12.1	0.2198	AUG	8:15- 9:15	12.1	0.2198
	7:15- 8:15	12.1	0.2198		9:15-10:15	12.1	0.2198
MAR	6:45- 7:45	12.1	0.2198	SEP	7:45- 8:45	12.1	0.2198
	7:45- 8:45	12.1	0.2198		8:45- 9:45	12.1	0.2198
APR (STD.) (TIME)	7:00- 8:00	12.1	0.2198	OCT (ADV.) (TIME)	7:00- 8:00	12.1	0.2198
	8:00- 9:00	12.1	0.2198		8:00- 9:00	12.1	0.2198
APR (ADV.) (TIME)	8:00- 9:00	12.1	0.2198	OCT (STD.) (TIME)	6:00- 7:00	12.1	0.2198
	9:00-10:00	12.1	0.2198		7:00- 8:00	12.1	0.2198
MAY	8:30- 9:30	12.1	0.2198	NOV	5:30- 6:30	12.1	0.2198
	9:30-10:30	12.1	0.2198		6:30- 7:30	12.1	0.2198
JUNE	8:45- 9:45	12.1	0.2198	DEC	5:30- 6:30	12.1	0.2198
	9:45-10:45	12.1	0.2198		6:30- 7:30	12.1	0.2198

(All times listed are PM local time)

NOTE: Until further notice NO PSSA OPERATION IS PERMITTED BEYOND 6:00 P.M.

Notice will be given when this restriction can be lifted. Until then the station may operate beyond 6:00 P.M. only during those months in which regular daytime operation is permitted by its license

FEDERAL COMMUNICATIONS COMMISSION  
 WASHINGTON D.C. 20554  
 DECEMBER 5, 1984

LICENSE RENEWAL AUTHORIZATION

THIS IS TO NOTIFY YOU THAT YOUR APPLICATION FOR RENEWAL OF LICENSE, BR-20050131BJY, WAS GRANTED ON 05/27/2005 FOR A TERM EXPIRING ON 06/01/2013.

THIS IS YOUR LICENSE RENEWAL AUTHORIZATION FOR STATION KKRX.

FACILITY ID: 61593

LOCATION: LAWTON, OK

THIS CARD MUST BE POSTED WITH THE STATION'S LICENSE CERTIFICATE AND ANY SUBSEQUENT MODIFICATIONS.

PERRY BROADCASTING OF LAWTON, INC.  
1528 N.E. 23RD  
OKLAHOMA CITY, OK 73111

