

LICENSE RENEWAL AUTHORIZATION

THIS IS TO NOTIFY YOU THAT YOUR APPLICATION FOR RENEWAL OF LICENSE, BR-20130201AEC, WAS GRANTED ON 05/24/2013 FOR A TERM EXPIRING ON 06/01/2021.

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

# radio-locator

find US radio stations by location

city/zip  state  go

find by call sign

go



**DriverUpdate™ Start Download**  
www.driverupdate.net

1. Click to Start Download
2. Run and Install DriverUpdate™
3. Scan for Drivers

- Site Navigation:**
- [home page](#)
  - [city search](#)
  - [format search](#)
  - [U.S. state search](#)
  - [canadian search](#)
  - [international search](#)
  - [advanced search](#)
  - [vacant frequencies](#)

## KKRX-AM 1380 kHz Lawton, Oklahoma "Lawton's Heart & Soul"

**Station Format: Urban Contemporary**  
[tell me about "Urban Contemporary" stations](#)  
[find more Urban Contemporary stations](#)

**Website:**

<http://kkrx.com/>

**Station Owner:**

Perry Broadcasting of Southwest Oklahoma, Inc.

[find stations owned by Perry Broadcasting of Southwest Oklahoma, Inc.](#)  
this feature is only available to [Gold Customers](#)

**Station Address:**

115 W. Broadway  
Anadarko, OK 73005

**Please Note:** This address comes from the FCC's database and may not be up to date. For verified radio station mailing addresses, please look at our [mailing list options](#).

**Phone:** 580-355-1050

**Fax:** 580-355-1056

**KKRX-AM Technical Details:**

**Station Status** Licensed Class B **(B)** AM Station

**Digital Status** Analog only

**Area of Coverage** [View Daytime Coverage Map](#), [View Nighttime Coverage Map](#)

**Hours of Operation** Unlimited

**Antenna Mode** Directional - 2 Patterns

**Power** 1000 Watts

**Number of Towers** 2

**Transmitter Location** [34° 35' 24" N, 98° 21' 45" W](#)

**License Expires** June 01 2021

**Last FCC Update** November 19 2013

# radio-locator

find US radio stations by location

city/zip

state

find by callsign



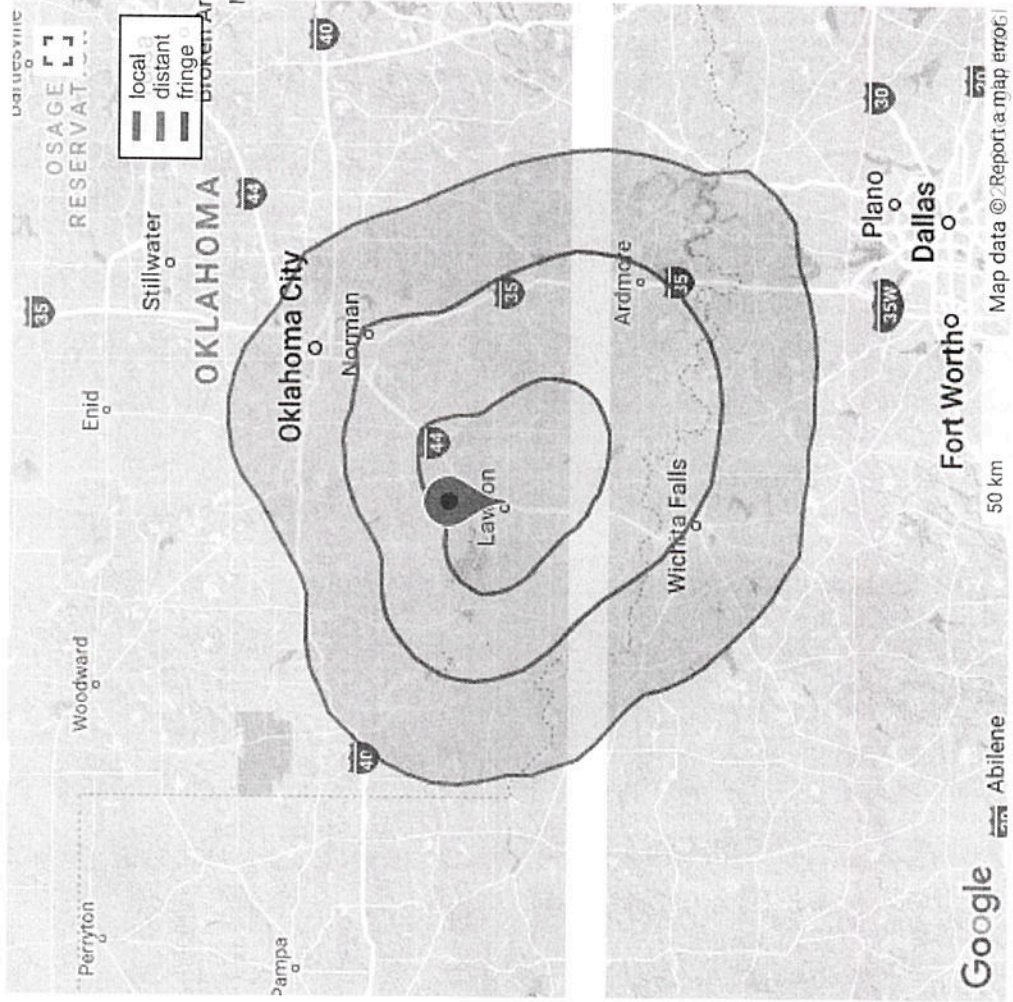
## Start Download

www.driverupdate.net

1. Click to Start Download
2. Run and Install DriverUpdate™
3. Scan for Drivers

**Site Navigation:**  
[home page](#)  
[city search](#)  
[format search](#)  
[U.S. state search](#)  
[canadian search](#)  
[international search](#)  
[advanced search](#)  
[vacant frequencies](#)

## Predicted Daytime Coverage Area for KKRX 1380 AM, Lawton, OK



# radio-locator

find US radio stations by location

city/zip  state

find by call sign

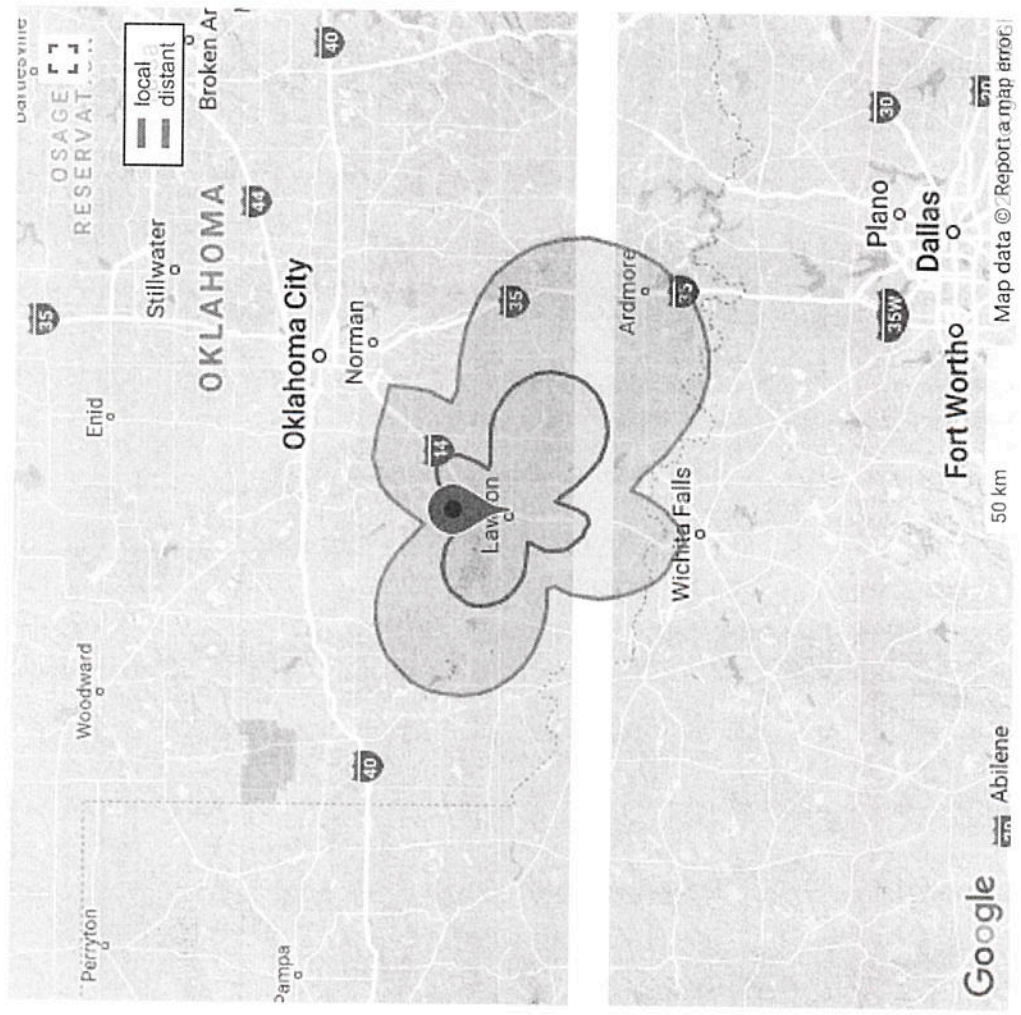
**DriverUpdate™**

**Start Download** [www.driverupdate.net](http://www.driverupdate.net)

1. Click to Start Download
2. Run and Install DriverUpdate™
3. Scan for Drivers

**Site Navigation:**  
[home page](#)  
[city search](#)  
[format search](#)  
[U.S. state search](#)  
[canadian search](#)  
[international search](#)  
[advanced search](#)  
[vacant frequencies](#)

**Predicted Nighttime\* Coverage Area for KKRX 1380 AM, Lawton, OK**





FCC Home | Search | Updates | E-Filing | Initiatives | For Consumers | Find People



# Antenna Structure Registration

FCC > WTB > ASR > Online Systems > ASR Search

[FCC Site Map](#)

ASR Registration Search

## Registration 1054979

[HELP](#)

[New Search](#) [Printable Page](#) [Reference Copy](#) [Map Registration](#)

### Registration Detail

Reg Number	1054979	Status	Constructed
File Number	A0419658	Constructed	01/01/1990
FAA Study		EMI	No
FAA Issue Date		NEPA	No

### Antenna Structure

Structure Type 2TA2 - Antenna Tower Array - 1st N = # towers 2nd N = Position of this tower

**Location** (in NAD83 Coordinates - [Convert to NAD27](#))

Lat/Long	34-35-24.0 N 098-21-47.0 W	SOUTH TWR - 1.5 MI E OF CITY LIMITS HWY 7
City, State	LAWTON , OK	1/4 MI S HWY 29
Center of AM Array	34-35-24.0 N 098-21-44.0 W	

### Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
326.8	85.3
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
412.1	84.4

### Painting and Lighting Specifications

FCC Paragraphs 1, 3, 12, 21

### Owner & Contact Information

FRN	0007755952	Licensee ID	L00633428
-----	------------	-------------	-----------

#### Owner

PERRY BROADCASTING OF SOUTHWEST OKALHOMA, INC. Attention To: RUSSELL M. PERRY 1528 N.E. 23RD STREET OKLAHOMA CITY , OK 73111	P: (405)424-4695 E:
---	------------------------

#### Contact

DEBEE , H. EDWARD ESQ 100 NORTH BROADWAY AVE., SUITE 1500	P: (405)232-7777 E: EDEBEE@DEBEEGILCHRIST.COM
--	--



**Federal Communications Commission**  
Wireless Telecommunications Bureau

**RADIO STATION AUTHORIZATION**

LICENSEE: PERRY BROADCASTING OF SOUTHWEST OKLAHOMA, INC.

PERRY BROADCASTING OF SOUTHWEST OKLAHOMA, INC  
1528 NE 223RD STREET  
OKLAHOMA CITY, OK 73111

<b>Call Sign</b> WLE962	
<b>File Number</b> 0005910551	
<b>Radio Service</b> AS - Aural Studio Transmitter Link	
<b>SMSA</b>	<b>Station Class</b> FXO

FCC Registration Number (FRN): 0007755952

<b>Grant Date</b> 07-07-1995	<b>Effective Date</b> 11-05-2013	<b>Expiration Date</b> 06-01-2021	<b>Print Date</b> 11-06-2013
---------------------------------	-------------------------------------	--------------------------------------	---------------------------------

**LOCATION**

**Fixed Location Address or Area of Operation:**

1525 SE Flowermound Road  
City: LAWTON County: COMANCHE State: OK

Loc No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
001	Fixed Location	34-36-24.2 N	098-24-01.1 W	359.7	
002		34-35-24.2 N	098-21-45.1 W		

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
948.125		250KF9W	40.000		001	1	001	45.7	19.0	15.0	S	108.0	002	

**Waivers/Conditions:**

The Facility ID of the Associated Broadcast Parent Station for this license is 50213.

**Conditions:**

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.



UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION



*KKRX  
file  
copy*

ANTENNA STRUCTURE REGISTRATION

Part 17 of the FCC rules requires you to: (1) immediately provide a copy of this registration to each FCC licensed tenant of your structure (although not required, you may want to use Certified Mail to obtain proof of receipt); and, (2) display the Registration Number in a conspicuous place visible near the base of the structure (unless a government entity objects, in writing, to the display near a historic landmark). SEE INFORMATION ON REVERSE.

Owner:  PERRY BROADCASTING OF LAWTON, INC. JOY CHAPMAN 1525 S.E. FLOWER MOUND ROAD LAWTON OK 73501	Registration Number:  1063293
	Issue Date:  04/15/99
Location of Antenna Structure:  1525 S.E. FLOWER MOUND ROAD LAWTON OK	Ground Elevation: 345.0 meters
	Overall Height Above Ground (AGL): 71.9 meters
Latitude                      Longitude N34-35-27                      W098-21-10                      NAD 27	Overall Height Above Mean Sea Level (AMSL): 416.9 meters
Painting and Lighting Requirements: FCC Paragraphs 1, 3, 11, 21 attached	
Special Conditions:	

REC-208  
Jan. 1976

C.F. FILE NO.

F.L. NO.

SPECS. FOR DIRECTIONAL OPERATION OF KSWO, Lawton, OK

Freq: 1380

kHz

Nominal Power: 1 kW, DA-2, U

Antenna Input Power: 1.08 kW, Day & Night

Date: 8/20/79

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-2, U

No. and Type of Elements:

Two, guyed, triangular, uniform cross-section, series-excited, vertical towers.

Height above Insulator:

275' (140°)

Overall Height:

N(#1) 282' - S(#2) 284'

Spacing and Orientation:

Towers spaced 440' (223°) apart on a line bearing of 206°T.

Non-Directional Antenna:

None used

Ground System consists of:

120-220' plus 120-75' buried copper radials equally spaced about each tower.

THEORETICAL SPECIFICATIONS

Polarizing:	Tower	N(#1)		S(#2)	
		Night	0°		2°
	Day	0°		-33.5°	
Field Factor:	Tower	N(#1)		S(#2)	
		Night	1.0		0.77
	Day	1.0		0.365	

OPERATING SPECIFICATIONS

Phase Indication\*:

Night	0°	3°
Day	0°	-23°

Antenna Base

Current Ratio:	Tower	N(#1)		S(#2)	
		Night	1.00		0.828
	Day	1.00		0.472	

Antenna Monitor

Sample Current Ratio:	Tower	N(#1)		S(#2)	
		Night	1.00		0.820
	Day	1.00		0.500	

\*As indicated by Potomac Instruments AM-19(204) antenna monitor.

The field intensity in mV/m measured at the described monitoring points is not to exceed the following values:

Night	56° T - 25.0 mV/m	Day	189° T - 71.0 mV/m
	189° T - 69.0 mV/m		
	250° T - 20.0 mV/m		
	340° T - 23.0 mV/m		





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. Comments on the AM Query may be referred to Dale Bickel, dale.bickel@fcc.gov.

Mon Jan 25 11:43:03 2010 Eastern time

Search Parameters

Facility ID No.: 50213
Lower Frequency 530
Upper Frequency 1700

Next Record

KXCA OK LAWTON USA

Daytime

Licensee: PERRY BROADCASTING OF SOUTHWEST OKLAHOMA, INC.

1380 kHz Licensed

Domestic Station Class: B Region 2 Station Class (corresponds to W. Hemisphere): B
Coordination Status: Canada: International Objection Mexico: - Region 2: -
File No: BL-- Facility ID No.: 50213
CDBS Application ID No.: 313507

34° 35' 24.00" N Latitude Power: 0.0 kilowatts (kW) Daytime
98° 21' 44.00" W Longitude (NAD 27)

DA2 - Directional Antenna: Different constants day and night
Number of Augmentations to standard directional pattern: 6
Augmentations:

Table with 4 columns: Aug. No., Center Azimuth, Span (Beginning & ending azimuth ±(0.5 \* span)), Augmented Field Strength (mV/m at 1 km). Rows 1-6.

RMS Augmented: 0.00 mV/m at 1 kilometer
RMS Theoretical: 337.96 mV/m at 1 kilometer

2 towers in the directional array CDBS Ant. System ID: 20723

Tower information:

Table with 13 columns: Tower No., Field Ratio, Phase (deg), Spacing (deg), Orientation (degrees), Electrical Height (deg), Twr Ref. (#0), -No Top Loaded or Sectionalized Tower(s)- (A, B, C, D), Antenna Structure Registration Number.

Horizontal Pattern at 1 km radius (Sections 73.150 and 73.152):

Electric Field Strength pattern plot
Pattern Data for KXCA

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 KXCA 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](#)

**KXCA**                      **OK LAWTON**                      **USA**  
 Nighttime

Licensee: PERRY BROADCASTING OF SOUTHWEST OKLAHOMA, INC.

1380 kHz      Licensed

Domestic Station Class: B      Region 2 Station Class (corresponds to W. Hemisphere): B  
 Coordination Status: Canada: International Objection      Mexico: -      Region 2: -  
 File No: BL--      Facility ID No.: 50213  
 CDBS Application ID No.: 313507

34° 35' 24.00" N Latitude      Power: 0.0 kilowatts (kW) Nighttime  
 98 ° 21' 44.00" W Longitude (NAD 27)

DA2 - Directional Antenna: Different constants day and night  
 Number of Augmentations to standard directional pattern: 13  
 Augmentations:

Aug. No.	Center Azimuth	Span [Beginning & ending azimuth ±(0.5 * span)]	Augmented Field Strength (mV/m at 1 km)
1	56.00°	10.00°	110.40
2	66.00°	20.00°	104.61
3	162.40°	12.80°	128.75
4	189.00°	20.00°	217.26
5	189.00°	10.00°	222.89
6	238.00°	24.00°	104.61
7	250.00°	12.00°	132.37
8	310.00°	12.00°	575.37
9	316.00°	10.00°	514.67
10	340.00°	10.00°	172.20
11	345.30°	10.30°	114.02
12	350.50°	10.30°	88.03
13	359.20°	17.30°	131.97

RMS Augmented: 0.00 mV/m at 1 kilometer  
 RMS Theoretical: 337.96 mV/m at 1 kilometer

2 towers in the directional array      CDBS Ant. System ID: 20724

Tower information:

Tower No.	Field Ratio	Phase (deg)	Spacing (deg)	Orientation (degrees)	Electrical Height (deg)	Twr Ref.	-No Top (#0)	Loaded or A	Sectionalized B	Tower(s)- C	Antenna Structure D	Registration Number
1	1.000	0.00	0.00	0.00	140.00	0	0	0.00	0.00	0.00	0.00	
2	0.770	2.00	223.00	206.00	140.00	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 KXCA](#)

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 KXCA](#)      [Correspondence for application BL--](#)

Maps: [Region Map](#)      [Area Map](#)      [Local Map](#)

ULS: [Related facilities in ULS](#)  
[ASRNs within 0.5 km radius](#)



**Audio Division**

(202)-418-2700

**AM Query & AM List Results**

FCC > MB > Audio Division > AM Query

[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 11:43:39 2010 Eastern time

**Search Parameters**

Facility ID No.: 50213  
 Lower Frequency 530  
 Upper Frequency 1700

[Next Record](#)

**KXCA OK LAWTON USA**

Daytime

Licensee: PERRY BROADCASTING OF SOUTHWEST OKLAHOMA, INC.

1380 kHz Licensed

Domestic Station Class: B Region 2 Station Class (corresponds to W. Hemisphere): B

Coordination Status: Canada: International Objection Mexico: - Region 2: -

File No: BL-- Facility ID No.: 50213

CDBS Application ID No.: 313507

34° 35' 24.00" N Latitude Power: 0.0 kilowatts (kW) Daytime  
 98° 21' 44.00" W Longitude (NAD 27)

DA2 - Directional Antenna: Different constants day and night  
 Number of Augmentations to standard directional pattern: 6  
 Augmentations:

Aug. No.	Center Azimuth	Span [Beginning & ending azimuth ±(0.5 * span)]	Augmented Field Strength (mV/m at 1 km)
1	90.00°	52.00°	336.35
2	116.00°	52.00°	531.08
3	189.00°	13.00°	241.00
4	197.00°	16.00°	241.40
5	289.00°	38.00°	531.08
6	316.00°	48.00°	402.34

RMS Augmented: 0.00 mV/m at 1 kilometer

RMS Theoretical: 337.96 mV/m at 1 kilometer

2 towers in the directional array CDBS Ant. System ID: 20723

**Tower information:**

Tower No.	Field Ratio	Phase (deg)	Spacing (deg)	Orientation (degrees)	Electrical Height (deg)	Twr Ref.	-No Top (#0)	Loaded or Sectionalized Tower(s)- A B C D	Antenna Structure Registration Number
1	1.000	0.00	0.00	0.00	140.00	0	0	0.00 0.00 0.00 0.00	
2	0.365	-33.50	222.20	206.00	140.00	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 KXCA](#)

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](#)

Maps: [Region Map](#) [Area Map](#) [Local Map](#) [Correspondence for application BL--](#)

ULS: Related facilities in ULS  
ASRNs within 0.5 km radius

Previous Record -- Next Record

**KXCA**                      **OK LAWTON**                      **USA**  
 Nighttime

Licensee: PERRY BROADCASTING OF SOUTHWEST OKLAHOMA, INC.

**1380 kHz**              **Licensed**

Domestic Station Class: B      Region 2 Station Class (corresponds to W. Hemisphere): B

Coordination Status: Canada: International Objection      Mexico: -      Region 2: -

File No: BL--                      Facility ID No.: 50213

CDBS Application ID No.: 313507

34° 35' 24.00" N Latitude                      Power: 0.0 kilowatts (kW) **Nighttime**  
 98 ° 21' 44.00" W Longitude (NAD 27)

DA2 - Directional Antenna: Different constants day and night  
 Number of Augmentations to standard directional pattern: 13  
 Augmentations:

Aug. No.	Center Azimuth	Span [Beginning & ending azimuth ±(0.5 * span)]	Augmented Field Strength (mV/m at 1 km)
1	56.00°	10.00°	110.40
2	66.00°	20.00°	104.61
3	162.40°	12.80°	128.75
4	189.00°	20.00°	217.26
5	189.00°	10.00°	222.89
6	238.00°	24.00°	104.61
7	250.00°	12.00°	132.37
8	310.00°	12.00°	575.37
9	316.00°	10.00°	514.67
10	340.00°	10.00°	172.20
11	345.30°	10.30°	114.02
12	350.50°	10.30°	88.03
13	359.20°	17.30°	131.97

RMS Augmented: 0.00 mV/m at 1 kilometer  
 RMS Theoretical: 337.96 mV/m at 1 kilometer

2 towers in the directional array                      CDBS Ant. System ID: 20724

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
							A	B	C	D	
1	1.000	0.00	0.00	0.00	140.00	0	0.00	0.00	0.00	0.00	
2	0.770	2.00	223.00	206.00	140.00	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 KXCA

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 KXCA      Correspondence for application BL--

Maps: Region Map      Area Map      Local Map

ULS: Related facilities in ULS  
ASRNs within 0.5 km radius



**Audio Division**

**AM Query & AM List Results**

**(202)-418-2700**

[FCC > MB > Audio Division > AM Query](#)

[FM Query](#)

[TV Query](#)

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).

Wed Jul 11 14:09:55 2007 Eastern time

**Search Parameters**

Facility ID No.: 50213  
 Lower Frequency 530  
 Upper Frequency 1700

[Next Record](#)

**KXCA OK LAWTON USA**  
 Daytime

Licensee: PERRY BROADCASTING OF SOUTHWEST OKLAHOMA, INC.

**1380 kHz Licensed**

Domestic Station Class: B Region 2 Station Class (corresponds to W. Hemisphere): B  
 Coordination Status: Canada: - Mexico: - Region 2: -  
 File No: BL-- Facility ID No.: 50213  
 CDBS Application ID No.: 313507

34° 35' 24.00" N Latitude Power: 1.0 kilowatts (kW) Daytime  
 98° 21' 44.00" W Longitude (NAD 27)

DA2 - Directional Antenna: Different constants day and night  
 Number of Augmentations to standard directional pattern: 6  
 Augmentations:

Aug. No.	Center Azimuth	Span [Beginning & ending azimuth ±(0.5 * span)]	Augmented Field Strength (mV/m at 1 km)
1	90.00°	52.00°	336.35
2	116.00°	52.00°	531.08
3	189.00°	13.00°	241.00
4	197.00°	16.00°	241.40
5	289.00°	38.00°	531.08
6	316.00°	48.00°	402.34

RMS Augmented: 0.00 mV/m at 1 kilometer  
 RMS Theoretical: 337.96 mV/m at 1 kilometer

2 towers in the directional array CDBS Ant. System ID: 20723

**Tower information:**

Tower No.	Field Ratio	Phase (deg)	Spacing (deg)	Orientation (degrees)	Electrical Height (deg)	Twr Ref.	-No Top Loaded or (#0)	Sectionalized Tower(s)- A B C D	Anten Regist
1	1.000	0.00	0.00	0.00	140.00	0	0	0.00 0.00 0.00 0.00	
2	0.365	-33.50	222.20	206.00	140.00	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 KXCA

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  
 Maps: Region Map Area Map Local Map  
 ULS: Related facilities in ULS  
ASRNs within 0.5 km radius

Previous Record -- Next Record

**KXCA**                      **OK LAWTON**                      **USA**  
 Nighttime

Licensee: PERRY BROADCASTING OF SOUTHWEST OKLAHOMA, INC.

**1380 kHz**              **Licensed**  
 Domestic Station Class: B    Region 2 Station Class (corresponds to W. Hemisphere): B  
 Coordination Status: Canada: -                      Mexico: -                      Region 2: -  
 File No:              BL--                      Facility ID No.: 50213  
 CDBS Application ID No.: 313507

34° 35' 24.00" N Latitude                      Power: 1.0 kilowatts (kW) **Nighttime**  
 98° 21' 44.00" W Longitude (NAD 27)

DA2 - Directional Antenna: Different constants day and night  
 Number of Augmentations to standard directional pattern: 13  
 Augmentations:

Aug. No.	Center Azimuth	Span [Beginning & ending azimuth ±(0.5 * span)]	Augmented Field Strength (mV/m at 1 km)
1	56.00°	10.00°	110.40
2	66.00°	20.00°	104.61
3	162.40°	12.80°	128.75
4	189.00°	20.00°	217.26
5	189.00°	10.00°	222.89
6	238.00°	24.00°	104.61
7	250.00°	12.00°	132.37
8	310.00°	12.00°	575.37
9	316.00°	10.00°	514.67
10	340.00°	10.00°	172.20
11	345.30°	10.30°	114.02
12	350.50°	10.30°	88.03
13	359.20°	17.30°	131.97

RMS Augmented: 0.00 mV/m at 1 kilometer  
 RMS Theoretical: 337.96 mV/m at 1 kilometer

2 towers in the directional array                      CDBS Ant. System ID: 20724

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	Anten Registr
1	1.000	0.00	0.00	0.00	140.00	0	0	0.00	0.00	0.00	0.00	
2	0.770	2.00	223.00	206.00	140.00	0	0	0.00	0.00	0.00	0.00	