



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CLEAR CHANNEL BROADCASTING LICENSES, INC.
 2625 S MEMORIAL DR, SUITE A
 TULSA OK 74129

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: February 19, 2013

Facility Id: 11925

Call Sign: KTOK

This license expires 3:00 a.m.
 local time, June 01, 2013.

License File Number: BMML-20120713AEL

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 the 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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
 Local Standard Time (Non-Advanced)

Jan.	7:45 AM	5:45 PM	Jul.	5:30 AM	7:45 PM
Feb.	7:15 AM	6:15 PM	Aug.	5:45 AM	7:15 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:15 AM	6:45 PM
Apr.	6:00 AM	7:00 PM	Oct.	6:30 AM	6:00 PM
May	5:30 AM	7:30 PM	Nov.	7:00 AM	5:30 PM
Jun.	5:15 AM	7:45 PM	Dec.	7:30 AM	5:15 PM

Callsign: KTOK

License No.: BMML-20120713AEL

Name of Licensee: CLEAR CHANNEL BROADCASTING LICENSES, INC.

Station Location: OKLAHOMA CITY, OK

Frequency (kHz): 1000

Station Class: B

Antenna Coordinates:

Day

Latitude: N 35 Deg 21 Min 29 Sec

Longitude: W 97 Deg 27 Min 48 Sec

Night

Latitude: N 35 Deg 21 Min 29 Sec

Longitude: W 97 Deg 27 Min 48 Sec

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

Nominal Power (kW): Day: 5.8 Night: 5.8

Antenna Input Power (kW): Day: 6.1 Night: 6.1

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 11.1 Night: 11.1

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1011484	
2	1011485	
3	1011483	

Night:

Tower No.	ASRN	Overall Height (m)
1	1011486	
2	1011485	
3	1011484	
4	1011483	
5	1011482	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 726.233 Night: 691.952

Standard RMS (mV/m/km): Day: 762.964 Night: 726.99

Augmented RMS (mV/m/km):

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	112.0
2	0.6330	5.700	210.0000	241.700	0	88.0
3	0.5990	-99.300	210.0000	61.700	0	88.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.2980	117.500	0.0000	0.000	0	88.0
2	0.7600	61.100	210.0000	61.700	0	88.0
3	1.0000	0.000	420.0000	61.700	0	112.0
4	0.7600	-61.100	630.0000	61.700	0	88.0
5	0.2980	-117.500	840.0000	61.700	0	88.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	0
2	-2.5	1.238
3	0	1
4	-102.9	1.117
5	0	0

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	109	0.529
2	53.9	1.358
3	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
4	-66.8	1.336
5	-123.4	0.552

Antenna Monitor: POTOMAC INSTRUMENTS AM1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 Ground system consists of 120 equally spaced, buried, copper radials about the base of the tower, each 88.4 m in length, plus 240 buried copper radials 11 m in length interspaced between each of the longer radials about all towers, with the exception of tower #3 which consists of 120 copper radials 121.9 m in length with 240 buried copper radials 19.8 m in length interspaced between longer radials. All radials are terminated at points of overlap with adjacent systems.

- 2 The licensee shall perform the measurements described in Section 73.155 at least once within each 24-month period.

- 3 The KTOK directional antenna array consists of 5 towers running in a southwest to northeast direction. The three inner towers of the array are used during daytime hours. They are identified herein as Daytime towers 1 through 3, with the tallest tower in the array designated Tower 1. All five of the towers in the array are used during nighttime hours. They are identified herein as Nighttime Towers 1 through 5, with the southwest tower of the array designated Tower 1.

*** END OF AUTHORIZATION ***