



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

KTRS-AM LICENSE, L.L.C.
 638 WEST PORT PLAZA
 ST LOUIS MO 63146

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: July 26, 2005

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

Facility Id: 20359

Call Sign: KTRS

License File Number: BL-20040927APC

License to cover BP-20050119AAP.

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.	7:15 AM	5:00 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:00 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:30 PM	Oct.	6:15 AM	5:30 PM
May	4:45 AM	7:00 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Callsign: KTRS

License No.: BL-20040927APC

Name of Licensee: KTRS-AM LICENSE, L.L.C.

Station Location: ST. LOUIS, MO

Frequency (kHz): 550

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 39 Min 45 Sec

Longitude: W 90 Deg 07 Min 43 Sec

Night

Latitude: N 38 Deg 39 Min 45 Sec

Longitude: W 90 Deg 07 Min 43 Sec

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

Nominal Power (kW): Day: 5.0 Night: 5.0

Antenna Input Power (kW): Day: 5.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 15.25 Night: 10.4

Resistance (ohms): Day: 21.5 Night: 50

Non-Directional Antenna: Day

Radiator Height: 135.8 meters; 89.6 deg

Theoretical Efficiency: 307.38 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1033704	

Night:

Tower No.	ASRN	Overall Height (m)
1	1033704	
2	1033701	
3	1033703	
4	1033702	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 692.02
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 730.3
 Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.1900	-108.000	0.0000	0.000	0	89.6
2	1.0000	0.000	90.0000	94.000	0	89.6
3	0.8930	-153.000	210.0000	90.000	0	89.6
4	0.7500	-45.000	90.0000	94.000	1	89.6

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	44.0	10.0	255.24
2	60.0	32.0	84.81
3	60.0	10.0	149.28
4	83.0	34.0	80.47
5	154.0	10.0	532.10
6	219.0	28.0	329.92
7	320.0	38.0	283.24
8	320.0	20.0	345.20

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	108.8	0.912
2	0	1
3	64.3	0.619
4	-48.1	0.751

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The authority granted herein is subject to the condition that in the event cross-modulation occurs between KTRS and KJSL (St. Louis, MO, 630 kHz, Facility ID#73299) due to the interaction of the respective antenna system, the licensee of KTRS accepts full responsibility for and will take appropriate technical measures to correct same.

MONITOR POINT DESCRIPTIONS:

44° - From the intersection of Illinois 111 and S.A. Route 35, proceed west on 0.40 km to point, locate on berm on north edge of highway, 7.11 km from site, max 29.1 mV/m nighttime.

60° - From the intersection of Business Route U.S. 40 and Illinois 111, proceed northeast on Illinois 111 for 4.59 km to point, located on west edge of highway, 6.32 km from site, max 25.6 mV/m nighttime.

83° - From intersection of Business Route U.S. 40 and Sand Prairie Lane, proceed north for 1.13 km to point, located on east side of road, 0.16 km north of second canal bridge, 5.50 km from site, max 13.8 mV/m nighttime.

154° - From intersection of Illinois 111 and St. Claire Avenue, proceed west on St. Clair for 0.64 km to point, located on railroad bridge directly over tracks on south edge of road, 5.87 km from site, max 90.5 mV/m nighttime.

219° - From the intersection of 9th Street and Missouri Avenue, proceed northwest on Missouri for 0.97 km to point, 4.78 km from site, max 62.3 mV/m nighttime.

320° - From the intersection of Niedringhaus Avenue and Illinois 3, proceed south on Illinois 3 for 0.24 km to point, located on west side of highway, adjacent to bridge railing, 5.26 km from site, max 106.8 mV/m nighttime.

*** END OF AUTHORIZATION ***