



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

RADIO LAS AMERICAS LLC
 1232 E. 2ND ST.
 TULSA OK 74120

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: November 17, 2004

Facility Id: 25129

This license expires 3:00 a.m.
 local time, June 01, 2005.

Call Sign: KMUS

License File Number: BL-20040706ACJ

This license covers permit no.: BMJP-2001019AAS and BMP-20040702ADN

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

Callsign: KMUS

License No.: BL-20040706ACJ

Name of Licensee: RADIO LAS AMERICAS LLC

Station Location: SPERRY, OK

Frequency (kHz): 1380

Station Class: B

Antenna Coordinates:

Day

Latitude: N 36 Deg 15 Min 59 Sec

Longitude: W 95 Deg 58 Min 15 Sec

Night

Latitude: N 36 Deg 15 Min 59 Sec

Longitude: W 95 Deg 58 Min 15 Sec

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

Nominal Power (kW): Day: 7.0 Night: 0.25

Antenna Input Power (kW): Day: 7.37 Night: 0.27

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 12.14 Night: 2.32

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	57.4
2	None	57.4
3	None	57.4
4	None	57.4
5	None	57.4
6	None	57.4

Night:

Tower No.	ASRN	
1	None	57.4
2	None	57.4
3	None	57.4
4	None	57.4
5	None	57.4
6	None	57.4

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 762.7 Night: 143.99

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 801.4 Night: 151.63

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	90.0
2	0.8800	4.000	170.0000	70.000	0	90.0
3	0.8400	85.000	192.0000	42.000	0	90.0
4	0.9200	98.000	90.0000	340.000	0	90.0
5	0.4900	94.000	192.0000	278.000	0	90.0
6	0.4800	10.000	170.0000	250.000	0	90.0

* 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	333.5	10.0	86.70
2	345.5	10.0	110.00

Theoretical Parameters:

Night 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	90.0
2	0.8800	0.000	170.0000	70.000	0	90.0
3	0.5900	80.000	192.0000	42.000	0	90.0
4	0.7000	98.000	90.0000	340.000	0	90.0
5	0.4700	98.000	192.0000	278.000	0	90.0
6	0.4800	10.000	170.0000	250.000	0	90.0

* 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	9.0	10.0	52.10
2	23.0	10.0	32.60
3	208.5	10.0	53.50

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	3.4	0.849
3	83.1	0.855
4	93.5	0.945
5	89.2	0.488
6	8.8	0.474

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-1.2	0.857
3	80	0.591
4	90	0.714
5	93.8	0.501
6	9.3	0.4

Antenna Monitor: POTOMAC INSTRUMENTS 1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
23	4.96	14.05
102	3.88	55.67
212	5.13	28.08
345.5	3	20.03

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
35	9.51	0.86
102	3.88	7.72
208.5	3.08	11.4
297.5	4.06	7.72

Special operating conditions or restrictions:

- 1 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Special operating conditions or restrictions:

2 Location of Monitor Points:

Direction of 23 degrees true North. Fro the KMUS transmitter site, turn north (right) onto Hwy 11 (Also known as Peoria) and proceed 3.6 miles. Turn east (right) on east 106th Street North and proceed 2.4 miles to the monitor point. The measurement is taken on the south side of the road, half-way through the slow, right-hand curve. "023" is painted on both sides of the road. (NAD-27 coordinates: North latitude: 036 deg 18'26.7" West Longitude: 095 deg 56' 57.7")

Direction of 35 degrees true North. From the KMUS transmitter site, turn north (right) onto Hwy 11 and proceed 0.8 mile. Turn east (right) on East 86th Street North. Travel 2.85 miles and turn north (left) onto the US 75 N onramp. Proceed 4.0 miles (begin slowing at 3.8 miles to avoid missing the off ramp) and turn east on 126th Street North. Travel 0.7 miles to the monitor point. The measurement is taken on the North side of the road, 15 feet east of the "weight limit" sign, and southwest of the tin barn. (NAD-27 coordinates; North Latitude: 036 deg 20'11.7" West Longitude: 96 deg 54' 36.0").

Direction of 102 degrees true North. From the KMUS transmitter site, turn south (left) onto HW11 (also known as Peoria), Proceed 1.15 miles to East 66th Street North. Turn east (left) and proceed 2.2 miles. Turn north (left) on North Pittsburg Ave. Travel 0.8 miles to the monitor point, which is taken on the west side of the road, 5 feet NE of the mailboxes, one of which is labeled "7201". (NAD-27 coordinates: 36 degrees 15' 33.2" West Longitude: 095 deg 55' 43").

- 3 Direction of 208.5 degrees true North. From the KMUS transmitter site, turn south onto Hwy 11 (Also know as Peoria) Proceed 1.8 miles, turn west (right) on East 60th Street North. At 0.33 miles, East 60th ends, Turning North into North Johnstown Street. At 0.1 mile, Johnstown Street ends. Turning Westbound onto East 61st Street North. Proceed 0.3 miles to the monitor point which is on the north side of 61st Street. Look for the entrance gate to the abandoned blue/aluminum trailer home. The point is in front of the gate, on the street. (NAD-27 coordinates: North Latitude: 36 deg 14'31.7" West Longitude: 095 deg 59"14.2")

Direction of 212 degrees true North. From the KMUS transmitter site, turn south (left) onto Hwy 11, Proceed 2.2 miles and turn west (right) on East 56th Street North. Travel 1.4 miles and turn south (left) on North Osage County Line Road. Proceed 0.5 miles to the monitor point. The measurement is taken on the east side of Osage, at the SW corner of the driveway at 5031 Osage (private residence). (NAD27 coordinates: North Latitude: 36 deg 13'38.7" West Longitude: 096 deg 00" 04.2")

Direction of 297.5 degree true North. From the KMUS transmitter site turn north on Hwy 11 and proceed 0.8 mile. Turn west (left) on E. 86th Street. N, and travel 0.98 mile. Turn Nort on N. Cincinnati Ave. Proceed 0.49 mile and turn west (left) on E. 91st Street. N. Proceed 0.5 mile. E. 91st Ends and turn north onto N. Osage Drive. Travel 0.2 mile and turn west (left) onto W. 93rd Street N. travel 0.4 mile and turn south (left) on Timberlane Road. Proceed 0.4 mile to the monitor point. The measurement is taken on southwestern side of Timberlane, approximately 40 feet south of the driveway at 8807 Timberlane, which is on the southeast side of the road. (NAD-27 coordinates: 036 deg 16'59.9" West Longitude: 96 deg 00'39.7")

Special operating conditions or restrictions:

- 4 Direction of 345.5 degrees true North. From the KMUS transmitter site, turn north onto Hwy 11. Proceed 1.85 mile and turn west (left) onto the private dirt road adjacent to E. 96th Street N. Proceed 0.3 mile and park the vehicle. The monitor point is 40 feet south in the field.

- 5 Permittee/Licensee shall satisfy all reasonable complaints of blanketing interference within the 1V/M contour.

- 6 Ground system consists of 120 buried 90 degree radials except where shortened at property boundaries and at intersection of adjacent towers. An additional 120 buried short radials 15 meters in length around each tower.

*** END OF AUTHORIZATION ***