



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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MERIDIAN MEDIA, LLC  
 1707 THOMAS CIRCLE  
 MANHATTAN KS 66502

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Grant Date: August 31, 2005

Facility Id: 28471

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

Call Sign: KSAL

License File Number: BL-20040802BLB

This license covers permit no.: BP-20040302AAY

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	5:30 PM	Jul.	5:15 AM	8:00 PM
Feb.	7:30 AM	6:00 PM	Aug.	5:45 AM	7:30 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:15 AM	6:45 PM
Apr.	6:00 AM	7:00 PM	Oct.	6:45 AM	6:00 PM
May	5:15 AM	7:30 PM	Nov.	7:15 AM	5:15 PM
Jun.	5:00 AM	8:00 PM	Dec.	7:45 AM	5:15 PM

Callsign: KSAL

License No.: BL-20040802BLB

Name of Licensee: MERIDIAN MEDIA, LLC

Station Location: SALINA, KS

Frequency (kHz): 1150

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 53 Min 03 Sec

Longitude: W 97 Deg 31 Min 02 Sec

Night

Latitude: N 38 Deg 53 Min 03 Sec

Longitude: W 97 Deg 31 Min 02 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: 10.9 Night: 10.2

Resistance (ohms): Day: 42 Night: 52

Non-Directional Antenna: Day

Radiator Height: 64 meters; 88.4 deg

Theoretical Efficiency: 305.8 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1052688	

Night:

Tower No.	ASRN	Overall Height (m)
1	1052687	
2	1052688	
3	1052689	
4	1052886	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 684

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 719.2

Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4960	18.000	0.0000	0.000	0	88.4
2	0.8000	63.000	135.0000	102.200	0	88.4
3	0.6200	-45.000	344.0000	102.200	0	88.4
4	1.0000	0.000	479.0000	102.200	0	88.4

\* 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	57.2	10.4	136.40
2	63.6	12.8	136.80
3	145.7	12.6	136.40
4	212.1	10.0	177.00
5	352.3	10.0	177.00

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	17.9	0.556
2	63.1	0.834
3	-44.8	0.703
4	0	1

Antenna Monitor: POTOMAC INSTRUMENTS AM-19D (210)

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
57.2	3.52	40.4
107	3.06	74
145.7	5.13	21.5
212.1	3.62	31.4
352.3	1.77	106

Special operating conditions or restrictions:

- 1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM  
 No. and Type of Elements: Four (4), guyed, uniform cross-section, series-excited vertical radiators.  
  
 Ground System consists of 240 equally spaced, buried copper wire radials each 32' long, alternate radials extend to 215' or to point of overlap. Radials bonded to copper bus at points of overlap.
  
- 2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:  
  
 Direction of 57.2 True North. .15 mi. North of intersection of Campbell Road and Niles Road, 60' south of south driveway of house on west side of road.  
 Distance to antenna is 3.52 km. The field intensity measured at this point should not exceed 40.4 mV/m.  
  
 Direction of 107 True North. .65 mi. South of intersection of Old US Highway 40 and Niles Road. Distance to antenna is 3.06 km. The field intensity measured at this point should not exceed 74 mV/m, Daytime.  
  
 Direction of 145.7 True North. .25 mi. South of intersection of North Street Road and Niles Road, between underground fiber optic line warning posts. Distance to antenna is 5.13 km. The field intensity measured at this point should not exceed 21.5 mV/m.  
  
 Direction of 212.1 True North. North side of driveway of 898 N. Simpson Road. Distance to antenna is 3.62 km. The field intensity measured at this point should not exceed 31.4 mV/m.  
  
 Direction of 351.3 True North. Southeast corner of the intersection of Campbell Road and Woodward Road. Distance to antenna is 1.77 km. The field intensity measured at this point should not exceed 106 mV/m.

\*\*\* END OF AUTHORIZATION \*\*\*