



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

SOUTHERN STONE COMMUNICATIONS, LLC
126 W. INTERNATIONAL SPEEDWAY BOULEVARD
DAYTONA BEACH FL 32114

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: April 24, 2008

Facility Id: 39508

Call Sign: WLOR

This license expires 3:00 a.m.
local time, April 01, 2012.

License File Number: BL-20071129AKQ

This license covers permit no.: BP-20061024AFJ

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: Daytime with Secondary nighttime

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

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

Callsign: WLOR

License No.: BL-20071129AKQ

Name of Licensee: SOUTHERN STONE COMMUNICATIONS, LLC

Station Location: HUNTSVILLE, AL

Frequency (kHz): 1550

Station Class: D

Antenna Coordinates:

Day

Latitude: N 34 Deg 51 Min 09 Sec

Longitude: W 86 Deg 39 Min 10 Sec

Night

Latitude: N 34 Deg 51 Min 09 Sec

Longitude: W 86 Deg 39 Min 10 Sec

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

Nominal Power (kW): Day: 50.0 Night: 0.044

Antenna Input Power (kW): Day: 52.65 Night: 0.044

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 32.4 Night: 0.94

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	50.3
2	None	50.3
3	None	50.3

Night:

Tower No.	ASRN	
1	None	50.3
2	None	50.3
3	None	50.3

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2314.9 Night: 68.7

Standard RMS (mV/m/km): Day: 2432.7 Night: 72.9

Augmented RMS (mV/m/km):

Q Factor: Day: 96.3 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	90.1
2	1.0400	-150.000	80.0000	181.000	0	90.1
3	0.2900	58.000	160.0000	181.000	0	90.1

* 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	1.0000	0.000	0.0000	0.000	0	90.1
2	1.0400	-150.000	80.0000	181.000	0	90.1
3	0.2900	58.000	160.0000	181.000	0	90.1

* 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	152	0.955
2	0	1
3	-151	0.235

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	152	0.955
2	0	1
3	-151	0.235

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

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)
0	3.75	220
66.5	4.49	51.2
295.5	3.61	86.12

Special operating conditions or restrictions:

- 1 Description of Directional Antenna system: Three vertical, guyed, series excited steel radiators of uniform triangular cross section

Ground system consists of 120-48.5 m equally spaced, buried copper radials about the base of each tower. Plus a 7.3m x 7.3m ground screen. Radials are shortened and bonded to transverse copper strap midway between elements.

- 2 DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 0° True North: From transmitter access drive, turn left onto Pulaski Pike and proceed 2.6 miles to an intersection with a gravel road leading to the right. Turn right onto this gravel road. The monitoring point is approximately 100 feet from Pulaski Pike, at the center of the gravel road. This is point number 27 and 3.75 km from the array.

Direction of 66.5° True North: From transmitter access drive, turn left and follows Pulaski Pike approximately 0.6 miles. Turn right onto Beaverdam Road and continue approximately 2.1 miles to a crossroads. Turn left and continue 0.7 miles to the point which is located along the east edge of the pavement opposite an open field. This is point number 41 and 4.49 km from the array.

Direction of 295.5° True North: From transmitter access drive, turn left and follows Pulaski Pike approximately 0.6 miles. Turn left onto Beaverdam Road and continue approximately 2.8 miles to the end of Beaverdam Road. Turn left onto Bo Howard Road and continue 0.5 miles to its end. Turn right onto Carter Gin Road and continue 0.2 miles to the point. This is point number 26 and 3.61 km from the array.

*** END OF AUTHORIZATION ***