



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

SALEM MEDIA OF MASSACHUSETTS, LLC
 4880 SANTA ROSA ROAD
 CAMARILLO CA 93012

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: October 08, 2015

Facility Id: 28630

Call Sign: WYLL

This license expires 3:00 a.m.
 local time, December 01, 2020.

License File Number: BMML-20141202ACO

This application is to relicense WYLL(AM)'s nighttime operation under Section 73.151(c) of the FCC rules.

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

Name of Licensee: SALEM MEDIA OF MASSACHUSETTS, LLC

Station Location: CHICAGO, IL

Frequency (kHz): 1160

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 02 Min 30 Sec

Longitude: W 87 Deg 51 Min 57 Sec

Night

Latitude: N 41 Deg 34 Min 23 Sec

Longitude: W 87 Deg 59 Min 37 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: 50.0

Antenna Input Power (kW): Day: 52.5 Night: 52.7

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 32.4 Night: 32.45

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1009053	
2	1009054	

Night:

Tower No.	ASRN	Overall Height (m)
1	None	60.7
2	None	60.7
3	None	60.7
4	None	60.7
5	None	60.7
6	None	60.7

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2390 Night: 2236
 Standard RMS (mV/m/km): Night: 2349
 Augmented RMS (mV/m/km): Day: 2550.07
 Q Factor: Day: 70.7 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	93.5
2	0.4900	-111.000	90.0000	135.000	0	93.5

* 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	232.0	60.0	2575.00

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.6710	-128.800	0.0000	0.000	0	82.7
2	1.0000	0.000	99.3000	190.300	0	82.7
3	0.5000	131.400	187.7000	192.000	0	82.7
4	0.4250	-149.800	176.0000	86.300	0	82.7
5	0.8870	-14.800	214.1000	119.600	0	82.7
6	0.6170	124.600	245.7000	136.600	0	82.7

* 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		
2		
3		
4		
5		

Day Directional Operation:

Twr. Phase	Antenna Monitor
No. (Deg.)	Sample Current Ratio
6	

Night Directional Operation:

Twr. Phase	Antenna Monitor
No. (Deg.)	Sample Current Ratio
1 -126	0.632
2 0	1
3 129.4	0.527
4 -144.1	0.401
5 -15.4	0.876
6 122.5	0.646

Antenna Monitor: POTOMAC INSTRUMENTS 1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial	Distance From Transmitter	Maximum Field Strength
(Deg. T)	(kM)	(mV/m)
355	2.75	374

Special operating conditions or restrictions:

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

- 2 The nighttime ground system consists of 120 equally spaced buried copper wire radials extending 64.7 meters from all towers except where shortened and bonded to transverse copper straps between towers. In addition, copper straps run from the transmitter building and along the tower lines and are bonded to the ground system at the base of each tower.

*** END OF AUTHORIZATION ***