



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Official Mailing Address:

SALEM MEDIA GROUP, LLC
4880 SANTA ROSA ROAD
CAMARILLO CA 93012

Authorizing Official:

Ann Gallagher
Ann Gallagher
Senior Engineer
Audio Division
Media Bureau

Facility Id: 9676

Call Sign: WWTC

License File Number: BMML-20100429AEG

Grant Date: June 23, 2010

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

This license modifies license no.: BZ-20010215ABJ

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	5:00 PM	Jul.	4:45 AM	8:00 PM
Feb.	7:15 AM	5:45 PM	Aug.	5:15 AM	7:15 PM
Mar.	6:30 AM	6:15 PM	Sep.	5:45 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	4:45 AM	7:30 PM	Nov.	7:15 AM	4:45 PM
Jun.	4:30 AM	8:00 PM	Dec.	7:45 AM	4:30 PM

Name of Licensee: SALEM MEDIA GROUP, LLC

Station Location: MINNEAPOLIS, MN

Frequency (kHz): 1280

Station Class: B

Antenna Coordinates:

Day

Latitude: N 44 Deg 57 Min 41 Sec

Longitude: W 93 Deg 21 Min 24 Sec

Night

Latitude: N 44 Deg 57 Min 41 Sec

Longitude: W 93 Deg 21 Min 24 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: 5.00 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 7.49 Night: 10.39

Resistance (ohms): Day: 89 Night: 50

Non-Directional Antenna: Day

Radiator Height: 58.55 meters; 90 deg

Theoretical Efficiency: 305.78 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	59.7

Night:

Tower No.	ASRN	
1	None	59.7
2	None	60.4
3	None	60
4	None	60.4

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 722.6

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 804.97

Q Factor: Night: 22.36

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	0.6700	-134.000	120.0000	353.000	0	90.0
3	0.6700	-148.000	120.0000	53.000	0	90.0
4	0.4500	78.000	120.0000	353.000	1	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	27.0	56.0	1600.40
2	65.0	70.0	1171.22
3	180.0	46.0	410.38
4	203.0	46.0	531.08
5	203.0	10.0	534.30
6	273.0	60.0	519.64
7	307.0	46.0	321.87
8	330.0	46.0	708.11
9	359.0	56.0	1363.61

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-141.6	0.654
3	78.2	0.393
4	-128.5	0.675

Antenna Monitor: POTOMAC INSTRUMENTS MODEL 1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site 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.
- 2 The licensee shall perform the measurements described in Section 73.155 at least once within every 24 month period.
- 3 Ground system consists of 120 equally spaced, buried copper radials 76.2 meters in length about the base of each tower. Overlapping radials are shortened and bonded at points of intersection. All radials are bonded to a copper plate base at each tower.
- 4 Towers #1, #2, #3, and #4 as listed with the theoretical parameters correspond to towers #1(S), #4(W), #2(E), and #3(N), respectively, as listed with the operating parameters and tower heights shown on this license.

*** END OF AUTHORIZATION ***