



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

SALEM COMMUNICATIONS HOLDING CORPORATION
4880 SANTA ROSA ROAD
CAMARILLO CA 93012

Susan N. Crawford
Senior Engineer
Audio Division
Media Bureau

Grant Date: October 12, 2007

Facility Id: 52194

Call Sign: WNTF

This license expires 3:00 a.m.
local time, August 01, 2014.

License File Number: BL-20070626ASI

This license re-issued October 22, 2013, by SNC to add a Special Operating Condition authorizing the use of modulation dependent carrier level (MDCL) control technology.

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

Name of Licensee: SALEM COMMUNICATIONS HOLDING CORPORATION

Station Location: PHILADELPHIA, PA

Frequency (kHz): 990

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 05 Min 43 Sec

Longitude: W 75 Deg 16 Min 37 Sec

Night

Latitude: N 40 Deg 05 Min 43 Sec

Longitude: W 75 Deg 16 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: 10.0

Antenna Input Power (kW): Day: 52.65 Night: 10.53

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 32.45 Night: 14.51

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1027136	
2	1027137	
3	1027138	
4	1027139	

Night:

Tower No.	ASRN	Overall Height (m)
1	1027136	
2	1027137	
3	1027138	
4	1027139	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2391.81 Night: 947.5

Standard RMS (mV/m/km): Day: 2514.05

Augmented RMS (mV/m/km): Night: 1057.58

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	0.2510	-75.600	0.0000	0.000	0	91.0
2	0.8210	137.800	90.0000	139.500	0	91.0
3	1.0000	0.000	180.0000	139.500	0	91.0
4	0.5300	-169.000	270.0000	139.500	0	91.0

* 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	0.2650	-70.400	0.0000	0.000	0	91.0
2	0.7450	144.600	90.0000	139.500	0	91.0
3	1.0000	0.000	180.0000	139.500	0	91.0
4	0.5780	-132.600	270.0000	139.500	0	91.0

* 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	109.5	70.0	2000.00
2	139.5	40.0	2258.00
3	267.5	20.0	120.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	165	0.47
2	0	1
3	-139.3	0.878

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
4 54.1	0.196

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 -77.2	0.247
2 143.9	0.708
3 0	1
4 -123.1	0.43

Antenna Monitor: POTOMAC INSTRUMENTS MODEL AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The 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.

Special operating conditions or restrictions:

2 Monitor Point Descriptions

55° - Point located at center of driveway to 1406 Highland Avenue at edge of street, 8.84 km from site, max 27.8 mV/m daytime.

224° - Point located at mailbox for 1705 Balsam Lane just south of 1709 Balsam Lane, 6.86 km from site, max 33.7 mV/m daytime.

294° - Point located 20 feet south of mailbox for 228 Clearfield Avenue, 11.36 km from site, max 48.1 mV/m daytime.

345° - Point located in front of mailbox for 951 Surrey Road, 5.52 km from site, max 144.6 mV/m daytime.

11.4° - Point opposite #520 Skippack Pike driveway, 30 feet west of utility pole #55, 6.19 km from site, max 11.7 mV/m nighttime.

267.6° - From Rt. 202 south proceed into Valley Forge Shopping Center and make a junghandle turn via Town Center Road to reverse direction on Route 202, entrance to cemetery is on northbound side of Route 202, point located at tee intersection 200 feet after entrance to cemetery, 7.63 km from site, max 9 mV/m nighttime.

299.8° - From intersection of Fairfield Road and Green Valley Road, proceed 0.64 km on Green Valley to point located on the church parking lot, 5 feet southeast of the bottom steps, 5.45 km from site, max 4.2 mV/m nighttime.

319.5° - From intersection of Johnson Highway and Third Street, proceed north (right) on Third Street to point, located 0.64 km down Third Street, 30 feet from street towards the school, southwest of parking lot entrance in middle of lot, 6.1 km from site, max 6.8 mV/m nighttime.

339.5° - Point located 100 feet south of intersection of Tounship Line Road and Oak Street, on west side of Oak Street across from driveway of 3020 Oak Street, 5.71 km from site, max 8.5 mV/m nighttime.

3 Waiver of 47 C.F.R. Section 73.1560(a) is granted to permit the licensee to operate with modulation dependent carrier level (MDCL) control technology, which reduces transmitter power at certain modulation levels.

*** END OF AUTHORIZATION ***