



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

Son Nguyen
Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 11846

Call Sign: WWRC

License File Number: BZ-20180308ABH

Grant Date: **MAY 8 2018**

This license expires 3:00 a.m.
local time, October 01, 2019.

This license is issued for the purpose of authorizing direct measurement of power and reflects adjustment of the antenna parameters.

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

Name of Licensee: SALEM COMMUNICATIONS HOLDING CORPORATION

Station Location: BETHESDA, MD

Frequency (kHz): 570

Station Class: B

Antenna Coordinates:

Day

Latitude: N 39 Deg 08 Min 03 Sec

Longitude: W 77 Deg 18 Min 14 Sec

Night

Latitude: N 39 Deg 08 Min 03 Sec

Longitude: W 77 Deg 18 Min 14 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: 1.0

Antenna Input Power (kW): Day: 5.4 Night: 1.1

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.39 Night: 4.65

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1059002	
2	1059005	
3	1059004	
4	1059003	

Night:

Tower No.	ASRN	Overall Height (m)
1	1059002	
2	1059005	
3	1059004	
4	1059003	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 647.6 Night: 292
 Standard RMS (mV/m/km): Day: 680.42 Night: 306.82
 Augmented RMS (mV/m/km):
 Q Factor: Day: 23.4 Night: 11

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	83.4
2	0.7390	12.300	203.0000	48.700	0	83.4
3	0.5630	130.600	227.5000	31.700	0	83.4
4	0.9220	120.700	64.9000	342.600	0	83.4

* 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	83.4
2	0.9310	21.300	203.0000	48.700	0	83.4
3	0.9130	150.700	227.5000	31.700	0	83.4
4	1.0400	129.900	64.9000	342.600	0	83.4

* 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	0	1
2	8.8	0.816
3	118.5	0.167
4	113	0.299

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	20	0.953
3	139.9	0.21

Night Directional Operation:

Twr. Phase	Antenna Monitor
No. (Deg.)	Sample Current Ratio
4 118.7	0.298

Antenna Monitor: POTOMAC INSTRUMENTS, TYPE 1901

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)
30.5	4.92	10.4
73.5	5.25	6.9
209.5	5.05	46.4
304	3.86	19.7
355	6.3	5.6

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
0.5	3.22	5.66
24.5	5.7	3.56
83	5.23	5.69
223	7.18	9
296.5	5.6	4.2

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.

Special operating conditions or restrictions:

2 MONITOR POINTS DAYTIME:

30.5-deg: The measurement point is located on the northwest side of Liberty Heights Lane, atop a manhole cover, opposite utility pole #722487-080750, Germantown, MD. This is radial point number 19, is 4.92 km from the transmitter site, and the daytime measured field strength should not exceed 10.4 mV/m.

73.5-deg: The measurement point is located on the center of Seneca Creek Road, approximately 50-ft. southwest of the maintenance yard gate in line with the railroad tie loading dock on the southeast side of the road, Seneca Creek State Park, Gaithersburg, MD. This is radial point number 14, is 5.25 km from the transmitter site, and the daytime measured field strength should not exceed 6.9 mV/m.

209.5-deg: The measurement point is located on the driveway, between the two stone columns, for #14915 and #14919 Berryville Road, Germantown MD. This is radial point number 23, is 5.05 km from the transmitter site, and the daytime measured field strength should not exceed 46.4 mV/m.

304-deg: The measurement point is located on the south edge of Schaeffer Road, opposite dead tree with faded out No Trespassing sign, approximately 100-ft. southeast of the intersection with White Ground Road, Boyds, MD. This is radial point number 15, is 3.86 km from the transmitter site, and the daytime measured field strength should not exceed 19.7 mV/m.

355-deg: The measurement point is located on the northwest side of Clarksburg Road adjacent to the No Parking sign northeast of Speed Limit 30 sign approximately 200-ft. northeast of the bridge over reservoir, Boyds, MD. This is radial point number 15, is 6.30 km from the transmitter site, and the daytime measured field strength should not exceed 5.6 mV/m.

Special operating conditions or restrictions:

3 MONITOR POINTS NIGHTTIME:

0.5-deg: The measurement point is located adjacent to the mailbox for #18520 Cornflower Road, Boyds MD. This is radial point number 10, is 3.22 km from the transmitter site, and the nighttime measured field strength should not exceed 5.7 mV/m.

24.5-deg: The measurement point is located in the center of the crosswalk on Father Hurley Boulevard at the northeast end of the median, southwest side of the intersection with Wisteria Drive, Germantown, MD. This is radial point number 12, is 5.7 km from the transmitter site, and the nighttime measured field strength should not exceed 3.56 mV/m.

83-deg: The measurement point is located on the walking path, west side of Long Draft Road, near light standard #17029, opposite the storm drain on the east side of the roadway, approximately 450-ft. northeast of Birdsong Lane, Gaithersburg, MD. This is radial point number 1, is 5.23 km from the transmitter site, and the nighttime measured field strength should not exceed 5.69 mV/m.

223-deg: The measurement point is located on the center of the driveway for #14200 Partnership Road, Poolesville, MD. This is radial point number 12, is 7.18 km from the transmitter site, and the nighttime measured field strength should not exceed 9.0 mV/m.

296.5-deg: The measurement point is located on the east side of Bucklodge Road, opposite utility pole #F8775 on the west side (first pole south of mailbox #18500), Boyds, MD. This is radial point number 14, is 5.6 km from the transmitter site, and the nighttime measured field strength should not exceed 4.2 mV/m.

- 4 The ground system consists of 120 equally spaced, buried, copper radials about the base of each tower extending up to 131 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded, plus 120 interspersed radials 22 meters in length about the base of each tower.

*** END OF AUTHORIZATION ***