



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

SAGA COMMUNICATIONS OF CHARLOTTESVILLE, LLC
 73 KERCHEVAL AVENUE
 GROSSE POINTE FARMS MI 48236

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: April 13, 2016

Facility Id: 10649

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

Call Sign: WINA

License File Number: BL-20151007AGX

This license modifies license no.: BP-20140627AAI

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

Callsign: WINA

License No.: BL-20151007AGX

Name of Licensee: SAGA COMMUNICATIONS OF CHARLOTTESVILLE, LLC

Station Location: CHARLOTTESVILLE, VA

Frequency (kHz): 1070

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 05 Min 19 Sec

Longitude: W 78 Deg 30 Min 23 Sec

Night

Latitude: N 38 Deg 05 Min 19 Sec

Longitude: W 78 Deg 30 Min 23 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: 5.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 9.81 Night: 10.39

Resistance (ohms): Day: 52 Night: 50

Non-Directional Antenna: Day

Radiator Height: 73.2 meters; 94 deg

Theoretical Efficiency: 308.99 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1025458	

Night:

Tower No.	ASRN	Overall Height (m)
1	1025458	
2	1025459	
3	1025460	
4	1025461	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 659.83
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 695.88
 Q Factor: Night: 15.3853

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.3800	-124.000	0.0000	0.000	0	94.0
2	1.0000	0.000	100.0000	332.000	0	94.0
3	0.9500	127.000	100.0000	332.000	1	94.0
4	0.3700	-106.000	100.0000	332.000	1	94.0

* 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	12.0	20.0	24.14
2	22.0	20.0	25.75
3	37.0	30.0	45.87
4	52.0	28.0	48.28
5	247.0	10.0	87.55
6	252.0	20.0	103.24
7	262.0	20.0	120.06
8	272.0	20.0	120.06
9	282.0	20.0	87.95
10	292.0	20.0	110.88
11	302.0	20.0	128.75
12	312.0	20.0	131.97
13	322.0	20.0	143.23
14	332.0	20.0	144.84
15	342.0	20.0	125.53

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-117	0.28
2	0	1
3	117	0.96

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
4 -136	0.38

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
2	1.95	3.81
52	3.28	4.88
252	3.36	9.28
302	4.28	6.8
332	2.69	16

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 Ground System consists of 120 equally spaced, buried, copper radials about the base of each tower, each 70.1 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a 120 interspersed radials 15.24 meters in length about the base of each tower.

- 3 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 2° True North:

From the WINA transmitter site, proceed southeast on Lambs Road 1.7 km to Hydraulic Road. Turn left onto Hydraulic Road and proceed northeast 1.1 km to Earlysville Road. Turn left onto Earlysville Road and proceed north 1.2 km to Woodlands Road. Turn left onto Woodlands Road and proceed north 2.4 km to Holly Knoll Lane. Turn left onto Holly Knoll Lane and proceed 0.1 km to the Monitor Point at the south end of Holly Knoll Lane. The monitor point is located adjacent to a rock lined culvert, at the south side of the gated driveway. The distance to the New Monitor Point is 1.95 km and identified as point #1 in this 2015 Partial Proof of Performance. The field intensity measured at this point should not exceed 3.81 mV/m.

38° 06' 22.4" NL; 078° 30' 19.4" WL (NAD 1983)

Special operating conditions or restrictions:

- 4 Direction of 52° True North: From the WINA transmitter site, proceed southeast on Lambs Road 1.7 km to Hydraulic Road. Turn left onto Hydraulic Road and proceed northeast 1.1 km to Earlysville Road. Turn left onto Earlysville Road and proceed north 3.4 km to Brighton Lane. Turn right onto Brighton Lane and proceed southeast 0.2 km to Warwick Place. Turn right onto Warwick Place and proceed south 0.3 km to the Monitor Point at the south end of Warwick Place. The monitor Point is located in the center of the cul-de-sac, adjacent to house number 2600. The distance to the New Monitor point is 3.28 km and identified as point #2 in this 2015 Partial Proof of Performance. The field intensity measured at this point should not exceed 4.88 mV/m.
38° 06' 23.4" NL; 078° 28' 35.2" WL (NAD 1983)

Direction of 252° True North: From the WINA transmitter site, proceed southeast on Lambs Road 1.7 km to Hydraulic Road. Turn right onto Hydraulic Road and proceed south 0.5 km to Georgetown Road. Turn right onto Georgetown Road and proceed southwest 1.4 km to Barracks Road. Turn right onto Barracks Road and proceed northwest 3.2 km to Inglecress Drive. Turn left onto Inglecress Drive and proceed west 0.7 km to the Monitor Point at 1210 Inglecress Drive. The Monitor Point is located on the south side of the road opposite the green mailbox for 1210 Inglecress Drive. The distance to the New Monitor point is 3.36 km and identified as point #2 in this 2015 Partial Proof of Performance. The field intensity measured at this point should not exceed 9.28 mV/m.
38° 04' 45.5" NL; 078° 32' 33.9" WL (NAD 1983)

Direction of 302° True North: From the WINA transmitter site, proceed southeast on Lambs Road 1.7 km to Hydraulic Road. Turn left onto Hydraulic Road and proceed northeast 1.1 km to Earlysville Road. Turn left onto Earlysville Road and proceed north 1.2 km to Woodlands Road. Turn left on to Woodlands Road and proceed north 6.5 km to Free Union Rod. Turn left onto Free Union Road and proceed south 0.3 km to the Monitor Point at 2718 Free Union Road. The Monitor Point is located at the "IFO" brick Column at the west corner of the entrance to Four Winds Lane. The distance to the New Monitor point is 4.28 km and identified as point #2 in this 2015 Partial Proof of Performance. The field intensity measured at this point should not exceed 6.80 mV/m.
38° 06' 33.3" NL; 078° 32' 51.6" WL (NAD 1983)

Direction of 332° True North: From the WINA transmitter site, proceed southeast on Lambs Road 1.7 km to Hydraulic Road. Turn left onto Hydraulic Road and proceed northeast 1.1 km to Earlysville Road. Turn left onto Earlysville Road and proceed north 1.2 km to Woodlands Road. Turn left on to Woodlands Road and proceed north 3.9 km to Dunromin Lane. Turn left onto Dunromin Lane and proceed southwest 0.3 km to the Monitor Point. The Monitor Point is located at the end of Dunromin Lane at the south side of the cul-de-sac. The distance to the New Monitor Point is 2.69 km and identified as point #1 in this 2015 Partial Proof of Performance. The field intensity measured at this point should not exceed 16.00 mV/m.
38° 06' 37.2" NL; 078° 31' 14.0" WL (NAD 1983)

*** END OF AUTHORIZATION ***