

Federal Communications Commission

AM STATION LICENSE

Licensee/Permittee

RADIO LIVINGSTON, LP
5260 SOUTH LIMA
ROAD
AVON, NY, 14414

Call Sign

WYSL

Facility ID

54665

File Number 0000234388	This License Covers Construction Permit No. BP-20230117AAA	
Filing Date 12/29/2023	Grant Date 02/12/2024	Expiration Date 06/01/2030
Description Text Change daytime power and pattern.		

Community of License City: Avon State: NY	Frequency (KHz) 1040	Station Class B	Service Type Main
Facility Type Commercial			
Hours of Operation Daytime Nighttime Critical Hours			
Station Antenna Modes/Antenna Types Daytime: Directional Nighttime: Directional Critical Hours: Directional			

Average Hours of Sunrise and Sunset

Local Standard Time (Non-Advanced)

Month	Sunrise	Sunset
January	7:45	17:00
February	7:15	17:45
March	6:30	18:15
April	5:30	18:45
May	4:45	19:30
June	4:30	19:45
July	4:45	19:45
August	5:15	19:15
September	5:45	18:30
October	6:30	17:30
November	7:00	16:45
December	7:30	16:30

Transmitter

Type Accepted. See Sections 73.1660, 73.1665, and 73.1670 of the Commission's Rules

Antenna Mode: Daytime

Antenna Type: Directional

Antenna Coordinates (NAD 83) Latitude 42° 51' 16.2" N Longitude 77° 42' 38.0" W	Nominal Power (kW) 27.000 Antenna Input Power (kW) 28.43 Current (Amperes) 23.85 Resistance (Ohms) 50																																			
Antenna Structure Registration Number(s) <table border="1"><thead><tr><th>Tower No.</th><th>ASRN</th><th>Overall Height (m)</th></tr></thead><tbody><tr><td>1</td><td>1024044</td><td>75.3</td></tr><tr><td>2</td><td>1037869</td><td>60.6</td></tr><tr><td>3</td><td>1037870</td><td>60.6</td></tr><tr><td>4</td><td></td><td>60.6</td></tr></tbody></table>		Tower No.	ASRN	Overall Height (m)	1	1024044	75.3	2	1037869	60.6	3	1037870	60.6	4		60.6																				
Tower No.	ASRN	Overall Height (m)																																		
1	1024044	75.3																																		
2	1037869	60.6																																		
3	1037870	60.6																																		
4		60.6																																		
Description of Daytime Directional Antenna System <table border="1"><thead><tr><th>Theoretical RMS (mV/m/km)</th><th>Standard RMS (mV/m/km)</th><th>Augmented RMS (mV/m/km)</th><th>Q Factor</th></tr></thead><tbody><tr><td>1467.01</td><td>1541.3</td><td></td><td></td></tr></tbody></table>		Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor	1467.01	1541.3																													
Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor																																	
1467.01	1541.3																																			
Theoretical Parameters <table border="1"><thead><tr><th>Tower No.</th><th>Field Ratio</th><th>Phasing (deg.)</th><th>Spacing (deg.)</th><th>Orientation (deg.)</th><th>Tower Ref. Switch*</th><th>Height (deg.)</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>91.4</td></tr><tr><td>2</td><td>1.4</td><td>-16</td><td>175.6</td><td>293.4</td><td>0</td><td></td></tr><tr><td>3</td><td>0.45</td><td>14</td><td>193</td><td>310.4</td><td>0</td><td></td></tr><tr><td>4</td><td>0.4</td><td>-76</td><td>73</td><td>41.5</td><td>0</td><td></td></tr></tbody></table> <p>* Tower Reference Switch 0 = Spacing and orientation from reference tower 1 = Spacing and orientation from previous tower</p>		Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)	1	1	0	0	0	0	91.4	2	1.4	-16	175.6	293.4	0		3	0.45	14	193	310.4	0		4	0.4	-76	73	41.5	0	
Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)																														
1	1	0	0	0	0	91.4																														
2	1.4	-16	175.6	293.4	0																															
3	0.45	14	193	310.4	0																															
4	0.4	-76	73	41.5	0																															

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	Tower Type	A	B	C	D
1	Neither				
2	Toploaded	74.2	17.2		
3	Toploaded	74.2	17.2		
4	Toploaded	74.2	17.2		

Monitoring Points

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
-----------------	--------------------------------	-------------------------------

Operating Parameters

Tower	Antenna monitor current sample or voltage sample ratio	Antenna monitor phase indication (degree)
1	0.654	+13.7
2	1.000	0.0
3	0.377	+33.3
4	0.284	-52.6

Antenna Mode: Nighttime

Antenna Type: Directional

Antenna Coordinates (NAD 83) Latitude 42° 51' 16.2" N Longitude 77° 42' 38.0" W	Nominal Power (kW) .500 Antenna Input Power (kW) .540 Current (Amperes) 3.29 Resistance (Ohms) 50																																			
Antenna Structure Registration Number(s)																																				
<table border="1"><thead><tr><th>Tower No.</th><th>ASRN</th><th>Overall Height (m)</th></tr></thead><tbody><tr><td>1</td><td>1024044</td><td>75.3</td></tr><tr><td>2</td><td>1047869</td><td>60.6</td></tr><tr><td>3</td><td>1037870</td><td>60.6</td></tr><tr><td>4</td><td></td><td>60.6</td></tr></tbody></table>		Tower No.	ASRN	Overall Height (m)	1	1024044	75.3	2	1047869	60.6	3	1037870	60.6	4		60.6																				
Tower No.	ASRN	Overall Height (m)																																		
1	1024044	75.3																																		
2	1047869	60.6																																		
3	1037870	60.6																																		
4		60.6																																		
Description of Nighttime Directional Antenna System																																				
<table border="1"><thead><tr><th>Theoretical RMS (mV/m/km)</th><th>Standard RMS (mV/m/km)</th><th>Augmented RMS (mV/m/km)</th><th>Q Factor</th></tr></thead><tbody><tr><td>207.25</td><td>217.87</td><td>218.6</td><td></td></tr></tbody></table>		Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor	207.25	217.87	218.6																												
Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor																																	
207.25	217.87	218.6																																		
Theoretical Parameters																																				
<table border="1"><thead><tr><th>Tower No.</th><th>Field Ratio</th><th>Phasing (deg.)</th><th>Spacing (deg.)</th><th>Orientation (deg.)</th><th>Tower Ref. Switch*</th><th>Height (deg.)</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>91.4</td></tr><tr><td>2</td><td>1.346</td><td>-46.2</td><td>175.6</td><td>293.4</td><td>0</td><td></td></tr><tr><td>3</td><td>0.92</td><td>-165.4</td><td>193</td><td>310.4</td><td>0</td><td></td></tr><tr><td>4</td><td>1.698</td><td>-105.8</td><td>73</td><td>41.5</td><td>0</td><td></td></tr></tbody></table>		Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)	1	1	0	0	0	0	91.4	2	1.346	-46.2	175.6	293.4	0		3	0.92	-165.4	193	310.4	0		4	1.698	-105.8	73	41.5	0	
Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)																														
1	1	0	0	0	0	91.4																														
2	1.346	-46.2	175.6	293.4	0																															
3	0.92	-165.4	193	310.4	0																															
4	1.698	-105.8	73	41.5	0																															
<p>* Tower Reference Switch</p> <p>0 = Spacing and orientation from reference tower</p> <p>1 = Spacing and orientation from previous tower</p>																																				

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	Tower Type	A	B	C	D
1	Neither				
2	Toploaded	74.2	17.2		
3	Toploaded	74.2	17.2		
4	Toploaded	74.2	17.2		

Augmentation Parameters

Aug. No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	68.5	50.0	121.00

Monitoring Points

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
-----------------	--------------------------------	-------------------------------

Operating Parameters

Tower	Antenna monitor current sample or voltage sample ratio	Antenna monitor phase indication (degree)
1	0.568	+100.0
2	0.871	+56.5
3	0.543	-58.9
4	1.000	0.0

Antenna Mode: Critical Hours

Antenna Type: Directional

Antenna Coordinates (NAD 83) Latitude 42° 51' 16.2" N Longitude 77° 42' 38.0" W	Nominal Power (kW) 10.000 Antenna Input Power (kW) 10.53 Current (Amperes) 14.51 Resistance (Ohms) 50																																			
Antenna Structure Registration Number(s)																																				
<table border="1"><thead><tr><th>Tower No.</th><th>ASRN</th><th>Overall Height (m)</th></tr></thead><tbody><tr><td>1</td><td>1024044</td><td>75.3</td></tr><tr><td>2</td><td>1037869</td><td>60.6</td></tr><tr><td>3</td><td>1037870</td><td>60.6</td></tr><tr><td>4</td><td></td><td>60.6</td></tr></tbody></table>		Tower No.	ASRN	Overall Height (m)	1	1024044	75.3	2	1037869	60.6	3	1037870	60.6	4		60.6																				
Tower No.	ASRN	Overall Height (m)																																		
1	1024044	75.3																																		
2	1037869	60.6																																		
3	1037870	60.6																																		
4		60.6																																		
Description of Critical Hours Directional Antenna System																																				
<table border="1"><thead><tr><th>Theoretical RMS (mV/m/km)</th><th>Standard RMS (mV/m/km)</th><th>Augmented RMS (mV/m/km)</th><th>Q Factor</th></tr></thead><tbody><tr><td>892.8</td><td>938.02</td><td></td><td></td></tr></tbody></table>		Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor	892.8	938.02																													
Theoretical RMS (mV/m/km)	Standard RMS (mV/m/km)	Augmented RMS (mV/m/km)	Q Factor																																	
892.8	938.02																																			
Theoretical Parameters																																				
<table border="1"><thead><tr><th>Tower No.</th><th>Field Ratio</th><th>Phasing (deg.)</th><th>Spacing (deg.)</th><th>Orientation (deg.)</th><th>Tower Ref. Switch*</th><th>Height (deg.)</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>91.4</td></tr><tr><td>2</td><td>1.4</td><td>-16</td><td>175.6</td><td>293.4</td><td>0</td><td></td></tr><tr><td>3</td><td>0.45</td><td>14</td><td>193</td><td>310.4</td><td>0</td><td></td></tr><tr><td>4</td><td>0.4</td><td>-76</td><td>73</td><td>41.5</td><td>0</td><td></td></tr></tbody></table>		Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)	1	1	0	0	0	0	91.4	2	1.4	-16	175.6	293.4	0		3	0.45	14	193	310.4	0		4	0.4	-76	73	41.5	0	
Tower No.	Field Ratio	Phasing (deg.)	Spacing (deg.)	Orientation (deg.)	Tower Ref. Switch*	Height (deg.)																														
1	1	0	0	0	0	91.4																														
2	1.4	-16	175.6	293.4	0																															
3	0.45	14	193	310.4	0																															
4	0.4	-76	73	41.5	0																															
<p>* Tower Reference Switch</p> <p>0 = Spacing and orientation from reference tower</p> <p>1 = Spacing and orientation from previous tower</p>																																				

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	Tower Type	A	B	C	D
1	Neither				
2	Toploaded	74.2	17.2		
3	Toploaded	74.2	17.2		
4	Toploaded	74.2	17.2		

Monitoring Points

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
-----------------	--------------------------------	-------------------------------

Operating Parameters

Tower	Antenna monitor current sample or voltage sample ratio	Antenna monitor phase indication (degree)
1	0.654	+13.7
2	1.000	0.0
3	0.377	+33.3
4	0.284	-52.6

Special operating conditions or restrictions

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.

- Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V /m contour as required by Section 73.88 of the Commission's rules.
- Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 72.8 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.
- This application is being granted prior to the completion of the International Telecommunications Union (ITU) registration process. Therefore, any construction of and operation with the facilities specified herein is at applicant's own risk and subject to modification, suspension or termination without right to hearing, if found by the Commission to be necessary in order to conform to the provisions of the registration process of the ITU, and to bilateral and other multilateral agreements between the United States and other countries.

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.