



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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AUBURN BROADCASTING, INC.  
 3568 LENOX ROAD  
 GENEVA NY 14456

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Grant Date: September 30, 2016

This license expires 3:00 a.m.  
 local time, June 01, 2022.

Facility Id: 43791

Call Sign: WAUB

License File Number: BMML-20160614ABU

This license covers permit no.: BP-20150123AHG

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	5:00 PM	Jul.	4:45 AM	7:45 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:15 AM	7:15 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	4:45 AM	7:15 PM	Nov.	7:00 AM	4:45 PM
Jun.	4:30 AM	7:45 PM	Dec.	7:30 AM	4:30 PM

Callsign: WAUB

License No.: BMML-20160614ABU

Name of Licensee: AUBURN BROADCASTING, INC.

Station Location: AUBURN, NY

Frequency (kHz): 1590

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 54 Min 34 Sec

Longitude: W 76 Deg 36 Min 09 Sec

Night

Latitude: N 42 Deg 54 Min 34 Sec

Longitude: W 76 Deg 36 Min 09 Sec

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

Nominal Power (kW): Day: 0.45 Night: 1.0

Antenna Input Power (kW): Day: 0.49 Night: 1.08

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 3.12 Night: 4.65

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	48
2	None	48
3	None	48

Night:

Tower No.	ASRN	
1	None	48
2	None	48
3	None	48

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 223.24 Night: 332.79

Standard RMS (mV/m/km): Day: 234.63 Night: 349.66

Augmented RMS (mV/m/km):

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	1.0000	0.000	0.0000	0.000	0	90.0
2	1.9390	-142.600	90.0000	350.000	0	90.0
3	1.0000	-285.000	180.0000	350.000	0	90.0

\* 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	1.0000	0.000	0.0000	0.000	0	90.0
2	1.9390	-142.600	90.0000	350.000	0	90.0
3	1.0000	-285.000	180.0000	350.000	0	90.0

\* 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	139.6	0.502
2	0	1
3	-144.7	0.436

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	139.6	0.502
2	0	1
3	-144.7	0.436

Antenna Monitor: DELTA DAM-1 (S/N 101)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The licensee shall perform the measurements described in Section 73.155 at least once within each 24-month period.
  
- 2 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.
  
- 3 Ground system consists of 120 equally spaced, buried, copper radials 47.26 meters in length about the base of each tower, except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers. in addition there are 120 copper radials each 15.24 meters in length interspersed between the 47.26 meter radials about the base of each tower.

\*\*\* END OF AUTHORIZATION \*\*\*