United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CAPITAL BROADCASTING, INC.
20 CORPORATE WOODS BLVD
ALBANY NY 12211

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: April 22, 2008

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

Facility Id: 40768

Call Sign: WGDJ

License File Number: BML-20080125AEO

New Antenna Monitor

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

Callsign: WGDJ License No.: BML-20080125AEO

Name of Licensee: CAPITAL BROADCASTING, INC.

Station Location: RENSSELAER, NY

Frequency (kHz): 1300

Station Class: B

Antenna Coordinates:

		Day					
Latitude:	N	42	Deg	35	Min	23	Sec
Longitude:	W	73	Deg	44	Min	37	Sec

		Night					
Latitude:	N	42	Deg	35	Min	23	Sec
Longitude:	W	73	Deg	44	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: 5.0 Night: 5.0

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

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.4 Night: 10.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	60.4
2	None	60.4
3	None	60.4
4	None	60.4

Night:

Tower No.	ASRN	
1	None	60.4
2	None	60.4
3	None	60.4
4	None	60.4
5	None	60.4
6	None	60.4

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 696.85 Night: 745.13

Standard RMS (mV/m/km): Day: 732.07

Augmented RMS (mV/m/km): Night: 783.01

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	0.4000	-125.000	90.0000	340.000	0	90.0
3	0.5000	-87.500	175.0000	40.000	0	90.0
4	0.3000	155.000	233.4000	20.500	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	0.5050	158.600	0.0000	0.000	0	90.0
2	1.0000	0.000	90.0000	340.000	0	90.0
3	0.5960	-143.500	180.0000	340.000	0	90.0
4	0.4040	111.200	151.5800	70.900	0	90.0
5	0.7980	-47.400	175.0000	40.000	0	90.0
6	0.4770	169.100	233.4000	20.500	0	90.0

* 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	246.4	30.0	80.47

Antenna Monitor: POTOMAC INSTRUMENTS 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)
108.3	6.45	34.95
166.8	5.84	30.6
246.4	5.5	66
279.4	6.65	31.2

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
74.4	5.94	12.7
87.6	4.96	16.5
108.3	6.45	8.2
154.1	6.55	47.9

Special operating conditions or restrictions:

1 The permittee/licensee 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:

Ground system consists of 120 equally-spaced copper wire radials about each tower, each radial 57.92 meter in length except where foreshortened and bonded to a transverse copper strap between towers, plus an additional 120-15.24 meter long radials interspersed between the longer radials about each tower.

Special operating conditions or restrictions:

3 Location of Monitor Points:

Direction of 74.4° true North. From the WGDJ transmitter , proceed south on Route 9J 0.42 mile to Hays (sometimes signed Hayes) Road. Turn left and proceed east 2.12 miles to Route 9 and 20. Turn left (northwest) and proceed 0.73 mile to Elliot road and turn right. Proceed east 2.02 miles along Elliot Road to house on right. The monitoring point location is on the south side of Elliot Road near the pine tree at the west of the driveway leading to a two-car basement garage. Mailbox number is 462. GPS Location: Latitude is 42° 36.245'N, Longitude 73°40.422'W. (NAD83).

Direction of 87.6° true North. From the WGDJ transmitter, proceed south on Route 9J 0.42 mile to Hays (sometimes signed Hayes). Turn left and proceed east 2.12 miles to Route 9 and 20. Turn left (northwest) and proceed 0.73 mile to Elliot Road and turn right. Proceed east 1.3 miles along Elliot Road to Water Road and turn right (south). Proceed 0.53 miles to house #236 on left. The monitoring point location is on the yellow lines in the middle of Water Road inline with the middle of the driveway to house #236. GPS Location: Latitude is 42°35.507'N, Longitude 73°40.969'W(NAD83).

Direction of 108.3° true North. From the WGDJ transmitter, proceed south on Route 9J 0.42 mile to Hays (sometimes signed Hayes) Road. Turn left and proceed east 2.12 miles to Route 9 and 20. Turn right (southeast) and proceed 0.94 mile past Old Miller Road to Miller Road and turn left. Proceed east 0.80 miles along Miller Road to fork in road (Reno Road) and bear to the right. Proceed southeast 0.66 mile to Camp La Salle Road (dirt road). Proceed 0.06 mile to swampy area at right. The monitoring point location is on the east side of Camp La Salle Road at the end of culvert under road at ditch leading away from road. GPS Location: Latitude is 42°34.289'N, Longitude 73°40.107'W(NAD83).

Special operating conditions or restrictions:

4 Direction of 154.1° true North. From the WGDJ transmitter, proceed south on Route 9J 0.42 mile to Hays (sometimes signed Hayes) Road. Turn left and proceed east 1.94 miles to Brookview Road and turn right. Proceed south along Brookview Road which becomes Route 150, 4.55 miles to Maple Hill Road (crossroads). Turn left and proceed east for 1.27 miles to Simons Roand and turn left (northeast). Proceed 0.89 mile along Simons Road/Brookview Station Road to just past the entrance to 1297Brookview Station Road (Goold Orchards). The monitoring point measurement location is onm the south side of Brookview Station Road in line with the first partial row of pine trees at the entrance of Goold Orchards. GPS Location: Latitude is 42°32.190'N, Longitude 73°42.501'W(NAD83).

Direction of 166.8° true North. From the WGDJ transmitter, proceed south on Route 9J 0.42 mile to Hays (sometimes signed Hayes) Road. Turn left and proceed east 1.94 miles to Brookview Road and turn right. Proceed south along Brookview Road which becomes Route 150, 3.80 miles to house 1852 on left. The monitoring point measurement location is on the south shoulder of the road midway between Route 150 mileage marker 1401/10.18 and the mailbox for house #1852. GPS Location Latitude is 42°32.307'N, Longitude 73°43.594W.(NAD83).

Direction of 216.6° true North. From the WGDJ transmitter, proceed south on Route 9J 2.67 mile to junction with Routes 9 and 20. Bear right following signs for Route 9 North and route 20 West. Proceed 0.18 miles and turn left, still following signs for Route 9 North and Route 20 West. Proceed 0.04 mile and turn right onto Route 9 North and Route 20 West. Continue northwest for 1.62 miles, across bridge over Hudson River, and following sings for U.S. Route 20, New York Route 32, and South Pearl Street. At traffic light after exiting from the bridge, turn left (south) onto South pearl Street. Proceed along South Pearl Street which becomes Route 144, for 6.77 miles to Clapper Road and turn right. Proceed west 0.53 mile to railroad crossing sign. The monitoring point measurement location is on the south shoulder of Clapper Road, directly across from the railroad crossing sign. GPS Location Latitude is 42°33.276N, Longitude 73°46.767'W(NAD83).

Special operating conditions or restrictions:

5 Direction of 246.4° true North. From the WGDJ transmitter proceed south on Route 9J 2.67 mile to junction with Routes 9 and 20. Bear right following signs for Route 9 North and Route 20 West. Proceed 0.18 miles and turn left, still following signs for Route 9 North and Route 20 West. Proceed 0.04 miles and turn right onto Route 9 North and Route 20 West. Continue northwest for 1.62 miles, across bridge over Hudson River, and following signs for U.S. route 20, New York Route 32, and South Pearl Street. At traffic light after exiting from the bridge, turn left (south onto South Pearl Street. Proceed along South Pearl Street which becomes Route 144, for 3.11 miles to Glenmont Road and turn right (west). Continue 1.45 miles to Route 9W. Turn left and proceed south for 2.41 miles to Elmwood Cemetery on left. The monitoring point measurement location is on the west shoulder of Route 9W next to mailbox near birch tree across from bush at south end of break in wood fence along cemetery. GPS Location Latitude is 42°34.114'N, Longtiude 73°48.286W(NAD83).

Direction of 279.4° true North. From the WGDJ transmitter, proceed south on Route 9J 2.67 mile to junction with Routes 9 and 20. Bear right following signs for Route 9 North and Route 20 West. Proceed 0.18 miles and turn left, still following signs for Route 9 North and Route 20 West. Proceed 0.04 mile and turn right onto Route 9 North and Route 20 West. Continue northwest for 1.62 miles, across bridge over Hudson River, and following signs for U.S. Route 20, New York Route 32, and South Pearl Street. At traffic light after exiting from the bridge, turn left (south) onto South Pearl Street. Proceed along South Pearl Street which becomes Route 144, for 3.11 miles to Glenmont Road and turn right (west). Continue onto Feura Bush Road for 3.11 miles to mailbox #711 on right. The monitoring point measurement location is across the street on the south side of Feura Bush Road in the middle of the driveway to the brick house with two-car garage. GPS Location: Latitude is 42°35.967 N, Longitude 73°49.418'W(NAD83).

*** END OF AUTHORIZATION ***