



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

Ann Gallagher
 Senior Engineer
 Audio Division
 Media Bureau

Grant Date: September 10, 2010

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

Facility Id: 40768

Call Sign: WGDJ

License File Number: BMML-20091030AID

This license covers permit no.: BP-20080305ADS

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.: BMML-20091030AID

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: 10.0 Night: 8.0

Antenna Input Power (kW): Day: 10.5 Night: 8.4

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 14.5 Night: 13

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	59.4
2	None	59.4
3	None	59.4
4	None	59.4

Night:

Tower No.	ASRN	
1	None	59.4
2	None	59.4
3	None	59.4
4	None	59.4
5	None	59.4
6	None	59.4

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 984.35 Night: 935.84

Standard RMS (mV/m/km): Day: 1034.1 Night: 983.21

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	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	0.5500	150.800	0.0000	0.000	0	90.0
2	1.0000	0.000	90.0000	340.000	0	90.0
3	0.5650	-138.500	180.0000	340.000	0	90.0
4	0.4500	110.000	151.6000	70.900	0	90.0
5	0.7500	-39.000	175.0000	40.000	0	90.0
6	0.4550	180.300	233.4000	20.500	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	0	1
2	-123.3	0.34
3		
4		
5	-84.8	0.54
6	168.6	0.262

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	147.2	0.583
2	0	1
3	-137	0.493
4	107.5	0.481
5	-38.1	0.737
6	-178.7	0.382

Antenna Monitor: POTOMAC INSTRUMENTS MODEL AM 1901, S/N 696

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.

*** END OF AUTHORIZATION ***