



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CBS RADIO EAST INC.
 1725 DESALES ST NW
 SUITE 501
 WASHINGTON DC 20036

Ann Gallagher
 Senior Engineer
 Audio Division
 Media Bureau

Facility Id: 63775

Call Sign: WAOK

Grant Date: April 12, 2012

This license expires 3:00 a.m.
 local time, April 01, 2020.

License File Number: BMML-20120228ADQ

This license covers permit no.: BP-20081023AAJ

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

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License No.: BMML-20120228ADQ

Name of Licensee: CBS RADIO EAST INC.

Station Location: ATLANTA, GA

Frequency (kHz): 1380

Station Class: B

Antenna Coordinates:

Day

Latitude: N 33 Deg 45 Min 39 Sec

Longitude: W 84 Deg 28 Min 42 Sec

Night

Latitude: N 33 Deg 45 Min 36 Sec

Longitude: W 84 Deg 28 Min 45 Sec

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

Nominal Power (kW): Day: 25.0 Night: 4.2

Antenna Input Power (kW): Day: 25.0 Night: 4.5

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 23.84 Night: 9.52

Resistance (ohms): Day: 44 Night: 50

Non-Directional Antenna: Day

Radiator Height: 108.2 meters; 179.3 deg

Theoretical Efficiency: 380 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1033780	

Night:

Tower No.	ASRN	Overall Height (m)
1	1033779	
2	1033780	
3	1033781	
4	1033782	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 775

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 818.76

Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	-72.000	140.0000	172.500	0	179.3
2	1.0000	0.000	0.0000	0.000	0	179.3
3	1.0000	-54.000	250.0000	284.400	0	179.3
4	0.8900	-126.000	236.6000	251.100	0	179.3

* 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	17.5	10.0	253.00
2	23.5	12.0	155.00
3	28.0	21.0	135.00
4	48.0	14.5	100.00
5	51.0	10.0	125.00
6	165.0	50.0	98.20
7	165.0	10.0	169.00
8	228.0	10.0	1366.00
9	264.0	36.0	70.80
10	264.0	10.0	80.40
11	308.5	40.0	70.40
12	353.5	12.6	491.00
13	359.8	12.3	491.00

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-78.7	108.1
2	0	100
3	-60.8	53.5
4	-161.8	49.3

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Antenna Monitor: POTOMAC INSTRUMENTS AM-19D

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 The antenna monitor is driven by samples from voltage sampling transformers.

*** END OF AUTHORIZATION ***