



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

COX RADIO, LLC
 223 PERIMETER CENTER PARKWAY, NE
 ATLANTA GA 30346

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: July 28, 2023

This license expires 3:00 a.m.
 local time, April 01, 2028.

Facility Id: 1218

Call Sign: WRFC

License File Number: BMML-20230324AAE

Update operating parameters.

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

Name of Licensee: COX RADIO, LLC

Station Location: ATHENS, GA

Frequency (kHz): 960

Station Class: B

Antenna Coordinates:

Day

Latitude: N 33 Deg 59 Min 57 Sec

Longitude: W 83 Deg 26 Min 01 Sec

Night

Latitude: N 33 Deg 59 Min 57 Sec

Longitude: W 83 Deg 26 Min 01 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: 2.5

Antenna Input Power (kW): Day: 5.00 Night: 2.7

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 10.38 Night: 7.35

Resistance (ohms): Day: 46.4 Night: 50

Non-Directional Antenna: Day

Radiator Height: 76.2 meters; 87.8 deg

Theoretical Efficiency: 304.2 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1048023	

Night:

Tower No.	ASRN	Overall Height (m)
1	1048023	
2	1048021	
3	1048022	
4	1048020	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 450
 Standard RMS (mV/m/km): Night: 472.9
 Augmented RMS (mV/m/km):
 Q Factor: Night: 17.2

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	87.8
2	0.9500	-47.000	188.0000	176.000	0	87.8
3	1.0000	153.000	90.0000	334.000	0	87.8
4	0.9500	106.000	109.5800	193.810	0	87.8

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-150.7	0.899
2	164.4	0.95
3	0	1
4	-48.3	0.993

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

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.

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Special operating conditions or restrictions:

- 2 Ground system consists of 120 buried copper radials, each 78m long, around each tower, except where limited by property boundaries or intersection with other radials.

*** END OF AUTHORIZATION ***