



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

RADIO LICENSE HOLDING CBC, LLC

3280 PEACHTREE ROAD, NW

SUITE 2200

ATLANTA GA 30305

Son Nguyen

Supervisory Engineer

Audio Division

Media Bureau

Facility Id: 16897

Call Sign: WJOX

Grant Date: April 01, 2021

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

License File Number: BL-20210216AAE

This license covers permit no.: BP-20201103AAN

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

Callsign: WJOX

License No.: BL-20210216AAE

Name of Licensee: RADIO LICENSE HOLDING CBC, LLC

Station Location: BIRMINGHAM, AL

Frequency (kHz): 690

Station Class: B

Antenna Coordinates:

Day

Latitude: N 33 Deg 27 Min 02 Sec

Longitude: W 86 Deg 55 Min 19 Sec

Night

Latitude: N 33 Deg 27 Min 03 Sec

Longitude: W 86 Deg 55 Min 20 Sec

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

Nominal Power (kW): Day: 50.0 Night: 0.5

Antenna Input Power (kW): Day: 50.0 Night: 0.54

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 29.4 Night: 3.29

Resistance (ohms): Day: 50 Night: 50

Non-Directional Antenna: Day

Radiator Height: 164.5 meters; 136.3 deg

Theoretical Efficiency: 336.6 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1036584	

Night:

Tower No.	ASRN	Overall Height (m)
1	1036584	
2	1036585	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 224.6
 Standard RMS (mV/m/km): Night: 236.1
 Augmented RMS (mV/m/km):
 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	0.000	0.0000	0.000	0	136.3
2	1.0000	150.000	60.0000	310.000	0	68.1

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Antenna Monitor: POTOMAC INSTRUMENTS AM-19D

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM
 No. and Type of Elements: Two (2) vertical, guyed, series excited steel radiators of uniform cross section.

Ground System consists of 120 equally spaced buried copper radials about the base of each tower 365' to 500' in length about tower #1 and up to 356' about tower #2 except where terminated by property boundaries or where intersecting radials are shortened and bonded plus a 24 x 24' ground screen surrounding tower #2.

Special operating conditions or restrictions:

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 10° True North. Point is located at the SW corner of Carnegie Ave and 45th Street Ensley. Reading is taken on the sidewalk in front of the Fairfield City Park sign. The point is located 4.59 km from the transmitter site. The filed intensity measured at this point should not exceed 2.09 mV/m.

Direction of 250° True North. Point is located at the NE corner of Jaybird Road and 7th Avenue. Reading is taken on a manhole cover on a drainage culvert on the north side of 7th Ave. This point is located 3.02 km from the transmitter site. The field intensity measured at this point should not exceed 3.86 mV/m.

Direction of 310° True North. Point is on Lewis St at the Dolomite Westfield Park. Reading is taken in front of a large outdoor barbeque pit near the West end of the parking lot on Lewis St. This point is located 4.0 km from the transmitter site. The field intensity measured at this point should not exceed 29.7 mV/m.

3 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.

*** END OF AUTHORIZATION ***