

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BL-890104AB

Call Sign : WKHX

LICENSEE:

Capital Cities/ABC, Inc.

1. Community of License .....: Atlanta Georgia  
North of Clay Road, 1 mi  
2. Transmitter location .....: East of Powder Springs  
Cobb County; near Powder  
Springs, Georgia

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

4. Main Studio location: (See Section 73.1125)  
360 Interstate North  
Cobb County  
Atlanta Georgia

5. Remote control location:

(Same)

West longitude .....: 84° 38' 40"

6. Antenna and ground system: ATTACHED

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12 & 21

8. Frequency .....: 590 kHz

9. Nominal power (kW) .....: 5.0 Day 4.5 Night

Antenna input power (kW):

5.4 Day

Non-directional antenna:

Directional antenna : current 10.4 amperes; resistance 50 ohms.

4.8 Night

Non-directional antenna:

Directional antenna - : current 9.86 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BP-870414AC and BMP-870326AV

11. Conditions .....: ATTACHED

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,<sup>1</sup> the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

April 1, 1996

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.  
The license is issued on the licensee's representation that the statements contained in the 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, as amended. 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, as amended.



JUL 31 1989

FCC Form 353-A

June 1980

File NO. BL-890104AB

Call Sign: WKHX

Date:

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

~~Not and Type of Element~~ Four (4) vertical, guyed tower steel radiators of uniform cross section. Theoretical RMS 754.4 mV/m @ 1 km, Std. RMS: 793.6 mV/m @ 1 km Day; Theo. RMS. Night 715.7 mV/m @ 1 km, Std. RMS: 752.9 mV/m @ 1 km. Q = 46 day 43.7 night.

Height above Insulators: 128m (90.7°)

Overall Height: 130.4m

Spacing and Orientation: Towers are spaced 90° apart on a line bearing 131.6°.

Non-Directional Antenna: None Used.

Ground System consists of 120 equally spaced, buried, copper radials about the base of each tower 127 meters in length except where bonded to a transverse copper strap placed midway between towers.

2. THEORETICAL SPECIFICATIONS

Tower	#1(NW)	#2(NC)	#3(SE)	#4(SE)
Phasing:				
Night & Day	155.4°	0°	-153°	41.0°
Field Ratio:				
Night & Day	0.435	1.0	0.965	0.513

3. OPERATING SPECIFICATIONS

Phase Indication*:				
Night & Day	152.5°	0°	94.1°	173.1°
Antenna Base				
Current Ratio:				
Night	0.435	1.0	0.908	0.512
Day	0.431	1.0	0.907	0.510
Antenna Monitor Sample				
Current Ratio:				
Night & Day	0.478	1.0	0.872	0.455

\* As indicated by Potomac Instruments AM-19D (210) antenna Monitor.  
Antenna sampling system approved under section 73.68(b) rules.

