



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

ALPHA MEDIA LICENSEE LLC  
1211 SW 5TH AVENUE  
SUITE 750  
PORTLAND OR 97204

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 4489

Call Sign: WHBC

License File Number: BL-19990408DC

Grant Date: April 30, 1999

This license expires 3:00 a.m.  
local time, October 01, 2004.

This license covers Permit No.: 980210IF

This authorization re-issued to correct the transmitter location, main studio location, antenna registration numbers, operating parameters, antenna monitor type and monitoring points. HKC 5/12/1999.

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	5:30 PM	Jul.	5:00 AM	8:00 PM
Feb.	7:15 AM	6:00 PM	Aug.	5:30 AM	7:30 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:00 AM	6:30 PM
Apr.	6:15 AM	7:00 PM	Oct.	6:30 AM	5:45 PM

Callsign: WHBC  
 Apr. 5:45 AM 7:00 PM Oct. 6:30 AM 5:45 PM License No.: BL-19990408DC  
 May 5:15 AM 7:30 PM Nov. 7:15 AM 5:15 PM  
 Jun. 5:00 AM 8:00 PM Dec. 7:45 AM 5:00 PM

Name of Licensee: ALPHA MEDIA LICENSEE LLC

Station Location: CANTON, OH

Frequency (kHz): 1480

Station Class: B

Antenna Coordinates:

Night

Latitude: N 40 Deg 43 Min 15 Sec  
 Longitude: W 81 Deg 26 Min 28 Sec

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

Nominal Power (kW): Night: 5.0

Antenna Input Power (kW): Night: 5.4

Antenna Mode: Night: DA

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

Current (amperes): Night: 10.4

Resistance (ohms): Night: 50

Antenna Registration Number(s):

Night:

Tower No.	ASRN	Overall Height (m)
1	1013514	
2	1013515	
3	1013516	
4	1013517	
5	1013518	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 979.8

Standard RMS (mV/m/km): Night: 1030.25

Augmented RMS (mV/m/km):

Q Factor: Night: 52.21

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	210.0
2	2.1100	150.500	90.0000	182.000	0	210.0
3	2.0000	-61.900	180.0000	182.000	0	210.0
4	0.9900	85.000	270.0000	182.000	0	210.0
5	0.2100	234.200	360.0000	182.000	0	210.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Night Directional Operation:

Twr. Phase No.	Antenna Monitor Sample Current Ratio (Deg.)
1	53.3
2	-154.8
3	0
4	152.7
5	-55.7

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
102	3.44	
182	5.07	
262	3.26	

Special operating conditions or restrictions:

- Antenna Monitor: Daytime Site: Potomac Instruments 1901(4188) S/N 342  
Nighttime Site: Potomac Instruments AM-19D(210)

Sampling System Approved Under Section 73.68(b) of the Rules for both daytime and nighttime operation.