



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

 BROADCAST COMMUNICATIONS, INC.
 BOX 990
 GREENSBURG PA 15601

 Dennis L. Williams
 Assistant Chief
 Audio Division
 Media Bureau

Facility Id: 72297

Call Sign: WKHB

Permit File Number: BP-19970225AA

Grant Date: July 22, 1998

This permit expires 3:00 a.m.
 local time, January 22, 2000.

This authorization is re-issued to correct station location
 and expiration date. HKC 09/25/1998.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
 Local Standard Time (Non-Advanced)

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

Callsign: WKHB

Permit No.: BP-19970225AA

Name of Permittee: BROADCAST COMMUNICATIONS, INC.

Station Location: IRWIN, PA

Frequency (kHz): 620

Station Class: B

Antenna Coordinates:

Night

Latitude: N 40 Deg 17 Min 20 Sec

Longitude: W 79 Deg 42 Min 04 Sec

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

Nominal Power (kW): Night: 0.40

Antenna Mode: Night: DA

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

Antenna Registration Number(s):

Night:

Tower No.	ASRN	Overall Height (m)
1	1051724	
2	1051723	
3	1051722	
4	1051721	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 195.92

Standard RMS (mV/m/km): Night: 206.01

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	80.0
2	0.6100	-114.900	88.4000	50.700	0	84.0
3	0.6000	54.400	122.0000	21.400	0	118.6
4	0.6800	164.200	60.5000	339.900	0	80.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

Night:

Azimuth:	Radiation:
54	94.35 mV/m
232	91.2 mV/m
297.5	41.84 mV/m

Special operating conditions or restrictions:

- 1 A complete nondirectional proof of performance, in addition to a complete proof on the night directional antenna system, shall be submitted before program tests are authorized. The nondirectional and directional field strength measurements must be made under similar environmental conditions.

Special operating conditions or restrictions:

- 2 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.

- 3 The proposed antenna shall be excited with a symmetrical folded unipole feed, utilizing a minimum of three folds. Slant wire is not permitted.

- 4 An antenna monitor with digital readout, field resolution of 0.1 percent and phase resolution of 0.1 degree shall be installed to monitor the array parameters.

Upon receipt of operating specifications and before issuance of a license, permittee shall submit the results of observations made daily of the base currents and their ratios, relative phases, sample currents and their ratios, and sample current ratio deviations for each element of the array along with the final amplifier plate voltage and current, the common point current, and the field strengths at each monitoring point for both the nondirectional and directional (both daytime and nighttime) operations for a period of at least thirty days, to demonstrate that the array can be maintained within the specified tolerances.

*** END OF AUTHORIZATION ***