



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**DIGITAL CLASS A**  
**BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

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WGBH EDUCATIONAL FOUNDATION  
1 GUEST STREET  
BOSTON MA 02135

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Hossein Hashemzadeh  
Associate Chief  
Video Division  
Media Bureau

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Facility Id: 64833

Grant Date: March 22, 2010

Analog TSID: 7018

This permit expires 3:00 a.m.  
local time, 36 months after the  
grant date specified above.

Digital TSID: 7019

Call Sign: WFXZ-CD

Permit File Number: BPDТА-20100308ACU

This permit modifies permit no.: BLDТА-20100304AAP

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.

Name of Permittee: WGBH EDUCATIONAL FOUNDATION

Station Location: MA-BOSTON

Frequency (MHz): 536 - 542

Channel: 25

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 74.750 of the Commission's Rules.

Antenna type: (directional or non-directional): Directional

Description: ANT ACS24CR

Major lobe directions                      70  
(degrees true):

Beam Tilt: 1 Degrees

Antenna Coordinates: North Latitude:      42 deg   18 min   27 sec

West Longitude:      71 deg   13 min   27 sec

Maximum Effective Radiated Power (ERP):                      15 kW

Transmitter Output Power:                                      0.52 kW

Height of radiation center above ground:                      263 Meters

Height of radiation center above mean sea level: 291.6 Meters

Antenna structure registration number: 1004623

Overall height of antenna structure above ground (including obstruction  
lighting if any) see the registration for this antenna structure.

Out-of-Channel Emission mask: Stringent

\*\*\* END OF AUTHORIZATION \*\*\*