



United States of America
FEDERAL COMMUNICATIONS COMMISSION
TELEVISION BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

WGBH EDUCATIONAL FOUNDATION
1 GUEST STREET
BOSTON MA 02135

Clay C. Pendarvis
Associate Chief
Video Division
Media Bureau

Facility Id: 72099
Analog TSID: 1356
Digital TSID: 1357
Call Sign: WGBH-TV
License File Number: BLEDT-20021219AAM

Grant Date: January 29, 2003
This license expires 3:00 a.m.
local time, April 01, 2007.

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.

Callsign: WGBH-TV

License No.: BLEDT-20021219AAM

Name of Licensee: WGBH EDUCATIONAL FOUNDATION

Station Location: MA-BOSTON

Frequency (MHz): 500 - 506

Channel: 19

Hours of Operation: Unlimited

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

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

Description: HAR, TAD24UDA-5/60

Beam Tilt: 0.7 Degrees Electrical

Major lobe directions (degrees true): Not Applicable

Antenna Coordinates: North Latitude: 42 deg 18 min 37 sec

West Longitude: 71 deg 14 min 14 sec

Transmitter output power: 35.5 kW
15.5 DBK

Maximum effective radiated power (Average): 700 kW
28.5 DBK

Height of radiation center above ground: 370 Meters

Height of radiation center above mean sea level: 417 Meters

Height of radiation center above average terrain: 374 Meters

Antenna structure registration number: 1003433

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

*** END OF AUTHORIZATION ***