

Federal Communications Commission

SHARED NEXT GENERATION TELEVISION BROADCAST STATION LICENSE

Licensee/Permittee

WGBH EDUCATIONAL FOUNDATION

1 Guest Street

Boston, MA, 02135

Call Sign **File Number**

WGBH-TV 0000204353

Facility ID: 72099**NTSC TSID:** 1356**Digital TSID:** 1357**This License Modifies License No.** 0000138509**ATSC 3.0**

Grant Date 09/27/2017		Expiration Date 04/01/2023
Hours of Operation Unlimited		
Station Location City MARLBOROUGH State MA	Frequency (MHz) 548.0 - 554.0	Station Channel 27
Facility Type Commercial	Shared Station(s) Facility ID: 14682 Call Sign: WBIN-TV	

Antenna Structure Registration Number 1046935	
Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 42-23-2.7 N Longitude 71-29-35.3 W	Antenna Type Directional

Description of Antenna Make ERI Model ATW25H2-ETS180-27H	
Antenna Beam Tilt (Degrees Electrical) 0.7	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 60.0 70.0 80.0	Maximum Effective Radiated Power (Average) 400 kW 26.02 DBK
Height of Radiated Center Above Ground (Meters) 373.7	Height of Radiated Center Above Mean Sea Level (Meters) 437.1
Height of Radiated Center Above Average Terrain (Meters) 356	Overall Height of Antenna Structure Above Ground (Meters) See the registration for this antenna structure.

Waivers/Special Conditions

ATSC 1.0

Call Sign	Facility ID
WGBH-TV	72099

Grant Date 12/27/2022		Expiration Date 04/01/2023
Hours of Operation Unlimited		
Station Location City BOSTON State MA	Frequency (MHz) 76.0 - 82.0	Station Channel 5
Facility Type Noncommercial Educational	Shared Station(s) Facility ID: 64833 Call Sign: WFXZ-CD	

Antenna Structure Registration Number 1004233

Transmitter Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 42-18-10.7 N Longitude 71-13-4.9 W	Antenna Type Non-Directional
Description of Antenna Make DIE Model TDM-3A5	
Antenna Beam Tilt (Degrees Electrical) 1.0	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 34 kW 15.31 DBK
Height of Radiated Center Above Ground (Meters) 360.3	Height of Radiated Center Above Mean Sea Level (Meters) 406.3
Height of Radiated Center Above Average Terrain (Meters) 362.7	Overall Height of Antenna Structure Above Ground (Meters) See the registration for this antenna structure.

Waivers/Special Conditions

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.

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