

Federal Communications Commission

SHARED NEXT GENERATION TELEVISION BROADCAST STATION LICENSE

Licensee/Permittee

GRAY TELEVISION LICENSEE, LLC
4370 PEACHTREE ROAD, NE
ATLANTA, GA, 30319

Call Sign File Number

WDBJ 0000199694

Facility ID: 71329

NTSC TSID: 3070

Digital TSID: 3071

This License Modifies License No. 0000185231

ATSC 3.0

Grant Date 09/13/2022	Expiration Date 10/01/2028	
Hours of Operation Unlimited		
Station Location City LYNCHBURG State VA	Frequency (MHz) 500.0 - 506.0	Station Channel 19

Antenna Structure Registration Number 1268738	
Transmitter Type Accepted. See Sections 74.750 of the Commission's Rules.	Transmitter Output Power(kW) As required to achieve authorized ERP.
Antenna Coordinates Latitude 37-21-32.9 N Longitude 79-9-31.3 W	Antenna Type Non-Directional
Description of Antenna Make PSI Model PSILPD12OI-19-CP	

Antenna Beam Tilt (Degrees Electrical) 1.5	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 15.0 kW 11.76 DBK
Height of Radiated Center Above Ground (Meters) 25.9	Height of Radiated Center Above Mean Sea Level (Meters) 431.2
Out-Of-Channel Emission Mask Full Service	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
WDBJ	71329

Grant Date 09/16/2022	Expiration Date 10/01/2028	
Hours of Operation Unlimited		
Station Location City ROANOKE State VA	Frequency (MHz) 566.0 - 572.0	Station Channel 30
Facility Type Commercial	Shared Station(s) Facility ID: 15507 Call Sign: WFFP-TV	

Antenna Structure Registration Number	
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 37-11-42.7 N Longitude 80-9-22.1 W	Antenna Type Non-Directional

Description of Antenna Make DIE Model TFU-29JTH/VP-R O4	
Antenna Beam Tilt (Degrees Electrical) 1	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 1000 kW 30.00 DBK
Height of Radiated Center Above Ground (Meters) 36.1	Height of Radiated Center Above Mean Sea Level (Meters) 1182.2
Height of Radiated Center Above Average Terrain (Meters) 603.6	Overall Height of Antenna Structure Above Ground (Meters) 45.4

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.