

Federal Communications Commission

NEXT GENERATION TELEVISION BROADCAST STATION LICENSE

Licensee/Permittee

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

Call Sign	File Number
WBTW	0000147971

Facility ID: 30826

NTSC TSID: 1794

Digital TSID: 1795

This License Modifies License No. BLCDD-19991025AEB

ATSC 3.0

Grant Date 09/17/2019	Expiration Date 12/01/2028
Hours of Operation Unlimited	
Station Location City KANNAPOLIS State NC	Frequency (MHz) 578.0 - 584.0
	Station Channel 32
Facility Type Commercial	

Antenna Structure Registration Number 1004745	
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 35-15-41.1 N Longitude 80-43-36.5 W	Antenna Type Directional
Description of Antenna Make DIE Model TFU-16ETT/VP-R 3C180	

Antenna Beam Tilt (Degrees Electrical) 1.0	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 198.0 200.0 270.0 271.0	Maximum Effective Radiated Power (Average) 200 kW 23.01 DBK
Height of Radiated Center Above Ground (Meters) 322.6	Height of Radiated Center Above Mean Sea Level (Meters) 583.5
Height of Radiated Center Above Average Terrain (Meters) 372	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

WBTV	30826
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Grant Date 06/07/2021	Expiration Date 12/01/2028
Hours of Operation Unlimited	
Station Location City CHARLOTTE State NC	Frequency (MHz) 524.0 - 530.0
Facility Type Commercial	Station Channel 23

Antenna Structure Registration Number 1005062	
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 35-21-51.0 N Longitude 81-11-12.0 W	Antenna Type Non-Directional

Description of Antenna Make DIE Model TFU-24GTH 04	
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) 589	Height of Radiated Center Above Mean Sea Level (Meters) 808.5
Height of Radiated Center Above Average Terrain (Meters) 565	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.