

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
WBRC	0000192788

Facility ID: 71221

NTSC TSID: 48

Digital TSID: 49

This License Modifies License No. 0000081282

ATSC 3.0

Grant Date 11/05/2020		Expiration Date 04/01/2029	
Hours of Operation Unlimited			
Station Location City HOMEWOOD State AL		Frequency (MHz) 512.0 - 518.0	Station Channel 21
Facility Type Commercial			

Antenna Structure Registration Number 1226663	
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 33-29-4.8 N Longitude 86-48-25.2 W	Antenna Type Directional
Description of Antenna Make DIELECTRIC Model TFU-27ETT/VP-R 6T160	

Antenna Beam Tilt (Degrees Electrical) 0.75	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 85.0 205.0 325.0	Maximum Effective Radiated Power (Average) 1000 kW 30.00 DBK
Height of Radiated Center Above Ground (Meters) 327.7	Height of Radiated Center Above Mean Sea Level (Meters) 616.3
Height of Radiated Center Above Average Terrain (Meters) 422	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
WBRC	71221

Grant Date 06/10/2022	Expiration Date 04/01/2029	
Hours of Operation Unlimited		
Station Location City BIRMINGHAM State AL	Frequency (MHz) 560.0 - 566.0	Station Channel 29
Facility Type Commercial		

Antenna Structure Registration Number 1007836	
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 33-29-19.0 N Longitude 86-47-58.0 W	Antenna Type Non-Directional

Description of Antenna Make DIE Model TFU-22GTH/VP-R-06	
Antenna Beam Tilt (Degrees Electrical) 0.75	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions N/A	Maximum Effective Radiated Power (Average) 700 kW 28.45 DBK
Height of Radiated Center Above Ground (Meters) 306.8	Height of Radiated Center Above Mean Sea Level (Meters) 613.7
Height of Radiated Center Above Average Terrain (Meters) 420	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.