

Federal Communications Commission

NEXT GENERATION TELEVISION BROADCAST STATION LICENSE

Licensee/Permittee

Capitol Broadcasting Company, Inc.
2619 Western Boulevard
Raleigh, NC, 27606

Call Sign	File Number
WRAL-TV	0000143682

Facility ID: 8688**NTSC TSID:** 1850**Digital TSID:** 1851**This License Modifies License No.** 0000112824**ATSC 3.0**

Grant Date 04/29/2021	Expiration Date 12/01/2028	
Hours of Operation Unlimited		
Station Location City SMITHFIELD-SELMA State NC	Frequency (MHz) 524.0 - 530.0	Station Channel 23

Antenna Structure Registration Number 1006703	
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 35-40-35.1 N Longitude 78-32-7.2 W	Antenna Type Directional
Description of Antenna Make ERI Model ALP12M5-CSW-23	

Antenna Beam Tilt (Degrees Electrical) 1.25	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 345.0	Maximum Effective Radiated Power (Average) 15 kW 11.76 DBK
Height of Radiated Center Above Ground (Meters) 317	Height of Radiated Center Above Mean Sea Level (Meters) 415.7
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

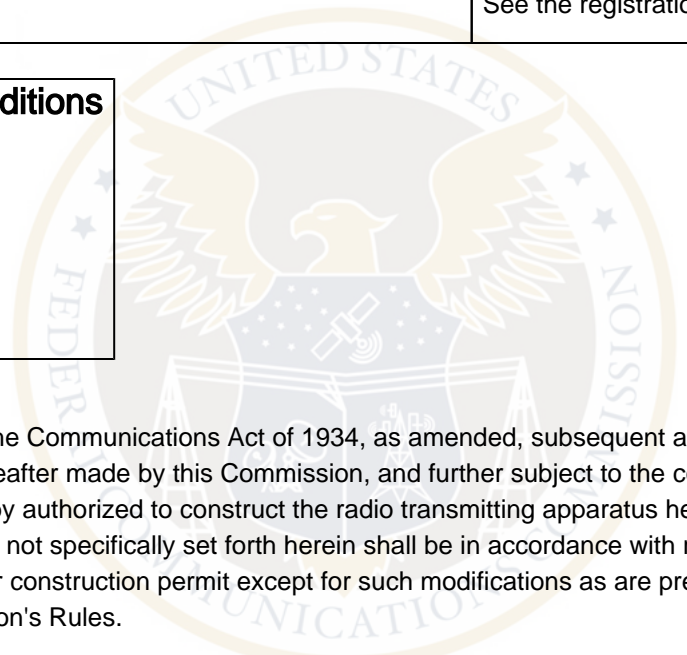
Call Sign	Facility ID
WRAL-TV	8688

Grant Date 05/06/2021	Expiration Date 12/01/2028	
Hours of Operation Unlimited		
Station Location City RALEIGH State NC	Frequency (MHz) 488.0 - 494.0	Station Channel 17
Facility Type Commercial		

Antenna Structure Registration Number 1027322	
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 35-40-29.0 N Longitude 78-31-39.0 W	Antenna Type Non-Directional

Description of Antenna Make ERI Model ATW25H4-ETO-17H	
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) 833.7 kW 29.21 DBK
Height of Radiated Center Above Ground (Meters) 596.3	Height of Radiated Center Above Mean Sea Level (Meters) 706.0
Height of Radiated Center Above Average Terrain (Meters) 625	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.