

# Federal Communications Commission

## DIGITAL REPLACEMENT TRANSLATOR BROADCAST STATION CONSTRUCTION PERMIT

**Licensee/Permittee**

GRAY TELEVISION LICENSEE, LLC  
WHSV-TV  
50 NORTH MAIN STREET  
HARRISONBURG, VA, 22802

<b>Call Sign</b>	<b>File Number</b>
WHSV-TV	0000054695

**Facility ID:** 4688

**NTSC TSID:** 3036

**Digital TSID:** 3037

**Construction Permit Amendment.:**

BLCDT-20060413ACO

<b>Grant Date</b> 02/19/2019		<b>Expiration Date</b> 02/14/2022
<b>Hours of Operation</b> Unlimited		
<b>Station Location</b>  City Massanutten State VA	<b>Frequency (MHz)</b> 590.0 - 596.0	<b>Station Channel</b> 34

<b>Antenna Structure Registration Number</b>	
<b>Transmitter</b> Type Accepted. See Sections 74.750 of the Commission's Rules.	<b>Transmitter Output Power(kW)</b> As required to achieve authorized ERP.
<b>Antenna Coordinates</b>  Latitude 38-23-34.8 N Longitude 78-46-11.9 W	<b>Antenna Type</b> Directional
<b>Description of Antenna</b>  Make KAT Model UTV-016/16(4x4)	<b>Major Lobe Directions</b> 52.0
<b>Antenna Beam Tilt (Degrees Electrical)</b> 1.6	<b>Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth)</b> Not Applicable

<b>Maximum Effective Radiated Power (Average)</b> 15 kW 11.76 DBK	
<b>Height of Radiated Center Above Ground (Meters)</b> 22.6	<b>Height of Radiated Center Above Mean Sea Level (Meters)</b> 913.2
<b>Out-Of-Channel Emission Mask</b> Full Service	<b>Overall Height of Antenna Structure Above Ground (Meters)</b> 24.4

## Waivers/Special Conditions

- The National Radio Astronomy Observatory (NRAO), Green Bank, WV, objects unless the Applicant's license is restricted to an Effective Radiated Power (ERP) of 4.3 Watts at Azimuth 273.1 degrees True North. To meet this Special Condition, the Applicant shall: 1. Use the final engineering submitted by Joseph Davis, Chesapeake RF Consultants, indicating that all facilities meet the ERP restriction. 2. Arrange for the requested site inspection to verify the implementation of this Special Condition. 3. Post a copy of this document and associated attachments at the Transmit facility. 4. Provide a Construction Notification as defined by the FCC for your specific radio service.

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.