

Federal Communications Commission

LOW POWER TELEVISION BROADCAST STATION CONSTRUCTION PERMIT

Licensee/Permittee

EDGE SPECTRUM, INC.
7829 CENTER BLVD. SE. NO. 190
SNOQUALMIE, WA, 98065

Call Sign	File Number
W21DW-D	0000051769

Facility ID: 17784

NTSC TSID: 8554

Digital TSID: 8555

This Permit Modifies License File No.: BLDTL-20090729ACQ

Grant Date 09/18/2018		Expiration Date 36 months after the grant date	
Hours of Operation Unlimited			
Station Location City KNOXVILLE State TN		Frequency (MHz) 512.0 - 518.0	Station Channel 21

Antenna Structure Registration Number 1222895	
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 35-59-44.4 N Longitude 83-57-23.1 W	Antenna Type Directional
Description of Antenna Make ANT Model ACS8A	Major Lobe Directions 270.0
Antenna Beam Tilt (Degrees Electrical) 0.5	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable

Maximum Effective Radiated Power (Average) 4.4 kW 6.43 DBK	
Height of Radiated Center Above Ground (Meters) 147.2	Height of Radiated Center Above Mean Sea Level (Meters) 548.0
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

- This authorization is subject to the condition that low power television is a secondary service, and that low power television and television translator stations must not cause interference to the reception of existing or future full service television stations on either allotted NTSC or DTV channels, and must accept interference from such stations.

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.

