

Federal Communications Commission

TELEVISION TRANSLATOR BROADCAST STATION LICENSE

Licensee/Permittee

MONTANA STATE UNIVERSITY
Visual Communications Bldg. 183
Bozeman, MT, 59717

Call Sign File Number

K33OP-D 0000063673

Facility ID: 43570**NTSC TSID:****Digital TSID:****This License Covers Permit No.:**

0000053067

Grant Date 11/26/2018	Expiration Date 04/01/2022
Hours of Operation Unlimited	
Station Location City HELENA State MT	Frequency (MHz) 584.0 - 590.0 Station Channel 33

Antenna Structure Registration Number	
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 46-46-10.7 N Longitude 112-1-27.9 W	Antenna Type Directional
Description of Antenna Make AND Model ALP8L1-HSW	Major Lobe Directions 180.0
Antenna Beam Tilt (Degrees Electrical) 0.25	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable

Maximum Effective Radiated Power (Average) 2.3 kW 3.62 DBK	
Height of Radiated Center Above Ground (Meters) 9	Height of Radiated Center Above Mean Sea Level (Meters) 1519
Out-Of-Channel Emission Mask Full Service	Overall Height of Antenna Structure Above Ground (Meters) 31

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.