

Federal Communications Commission

DISTRIBUTED TRANSMISSION SYSTEM LICENSE

Licensee/Permittee

MONTANA STATE UNIVERSITY
ROOM 183, VCB
BOZEMAN, MT, 59717

Call Sign **File Number**
KUSM-TV 0000116395

Facility ID: 43567

NTSC TSID: 1746

Digital TSID: 1747

**This License Covers Construction
Permit No.**

0000107900

Grant Date 06/25/2020		Expiration Date 04/01/2022	
Hours of Operation Unlimited			
Station Location City BOZEMAN State MT		Frequency (MHz) 180.0 - 186.0	Station Channel 8
Antenna Reference Coordinates Latitude 9999 45-40-24 N Longitude 110-52-5 W			Facility Type Noncommercial Educational

DTS Site Number:1

Antenna Structure Registration Number	
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 45-38-15.1 N Longitude 111-16-7 W	Antenna Type Directional

Description of Antenna Make ERI Model ATW4V5-ESWCX-8H	
Antenna Beam Tilt (Degrees Electrical) 1.25	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 0.0	Maximum Effective Radiated Power (Average) 17.9 kW 12.53 DBK
Height of Radiated Center Above Ground (Meters) 44.8	Height of Radiated Center Above Mean Sea Level (Meters) 1762.5
Height of Radiated Center Above Average Terrain (Meters) 212.8	Overall Height of Antenna Structure Above Ground (Meters) 60.7

DTS Site Number:2

Antenna Structure Registration Number	
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 45-41-47.3 N Longitude 110-46-7.1 W	Antenna Type Directional
Description of Antenna Make Scala Model CL-713	
Antenna Beam Tilt (Degrees Electrical) Not Applicable	Antenna Beam Tilt (Degrees Mechanical @ Degrees Azimuth) Not Applicable
Major Lobe Directions 90.0	Maximum Effective Radiated Power (Average) 0.15 kW -8.24 DBK
Height of Radiated Center Above Ground (Meters) 5.5	Height of Radiated Center Above Mean Sea Level (Meters) 2217.4
Height of Radiated Center Above Average Terrain (Meters) 371	Overall Height of Antenna Structure Above Ground (Meters) 7.9

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.

