

Federal Communications Commission

TELEVISION BROADCAST STATION CONSTRUCTION PERMIT

Licensee/Permittee

WASHINGTON STATE UNIVERSITY
 EDUCATIONAL TELECOMMUNICATIONS AND TECH.
 MURROW COMM CENTER, P.O. BOX 642530
 PULLMAN, WA, 99164

Call Sign	File Number
KTNW	0000034858

Facility ID: 71023

NTSC TSID: 3120

Digital TSID: 3121

This Permit Modifies License File No.: 0000025245

Grant Date 11/17/2017	Expiration Date 11/30/2018	
Hours of Operation Unlimited		
Station Location City RICHLAND State WA	Frequency (MHz) 518.0 - 524.0	Station Channel 22
Facility Type Noncommercial Educational		

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 46-6-12.8 N Longitude 119-7-44.6 W	Antenna Type Non-Directional
Description of Antenna Make MCX Model SFN-3030-B-10(E/P)	

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) 55 kW 17.40 DBK
Height of Radiated Center Above Ground (Meters) 18	Height of Radiated Center Above Mean Sea Level (Meters) 683
Height of Radiated Center Above Average Terrain (Meters) 369	Overall Height of Antenna Structure Above Ground (Meters) 21

Waivers/Special Conditions

- This is to inform you that the FCC reserves the right to change the phase assignment of stations following the close of the second filing window and the planned refreeze of non-repacked full-power and Class A stations. Any such phase assignment change will be to a later phase.
- The grant of this construction permit is subject to the condition that, with ample time before commencing operation, you make a good faith effort to identify and notify health care facilities (e.g., hospitals, nursing homes, see 47 CFR 15.242(a)(1)) within your service area potentially affected by your DTV operations. Contact with state and/or local hospital associations and local governmental health care licensing authorities may prove helpful in this process. During this pre-broadcast period, you must provide all notified entities with relevant technical details of your operation, such as DTV channel, targeted on-air date, effective radiated power, antenna location, and antenna height. You are required to place in the stations public inspection file documentation of the notifications and contacts made and you may not commence operations until good faith efforts have been made to notify affected health care facilities. During this pre-broadcast period and for up to twenty (20) days after commencing operations, should you become aware of any instances of medical devices malfunctioning or that such devices are likely to malfunction due to your DTV operations, you must cooperate with the health care facility so that it is afforded a reasonable opportunity to resolve the interference problem. At such time as all provisions of this condition have been fulfilled, and either upon the expiration of twenty (20) days following commencement of operations or when all known interference problems have been resolved, whichever is later, this condition lapses.

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.