



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**DIGITAL TELEVISION REPLACEMENT TRANSLATOR**  
**BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

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WASHBURN UNIVERSITY OF TOPEKA  
1700 SW COLLEGE AVENUE  
TOPEKA KS 66621

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Hossein Hashemzadeh  
Associate Chief  
Video Division  
Media Bureau

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Facility Id: 70938

Grant Date: October 07, 2010

Analog TSID: 1192

This permit expires 3:00 a.m.  
local time, 36 months after the  
grant date specified above.

Digital TSID: 1193

Call Sign: KTWU

Permit File Number: BDRTEDT-20100820AAD

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.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: WASHBURN UNIVERSITY OF TOPEKA

Station Location: KS-MANHATTAN

Frequency (MHz): 668 - 674

Channel: 47

Hours of Operation: Unlimited

Callsign: KTWU

Permit No.: BDRTEDT-20100820AAD

Transmitter: Type Accepted. See Sections 74.750 of the Commission's Rules.

Antenna type: (directional or non-directional): Directional

Description: AND ALP16W

Major lobe directions            100  
(degrees true):

Beam Tilt: 1 Degrees

Antenna Coordinates: North Latitude:    39 deg   13 min   34 sec  
   West Longitude:    96 deg   37 min   00 sec

Maximum Effective Radiated Power (ERP):            15 kW

Transmitter Output Power:                            0.87 kW

Height of radiation center above ground:            107 Meters

Height of radiation center above mean sea level: 497.1 Meters

Antenna structure registration number: 1232098

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Out-of-Channel Emission mask: Stringent

Special operating conditions or restrictions:

- 1    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.

\*\*\*    END OF AUTHORIZATION    \*\*\*