



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**TELEVISION BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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WASHBURN UNIVERSITY OF TOPEKA  
1700 SW COLLEGE AVENUE  
TOPEKA KS 66621

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Clay C. Pendarvis  
Associate Chief  
Video Division  
Media Bureau

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Facility Id: 70938  
Analog TSID: 1192  
Digital TSID: 1193  
Call Sign: KTWU  
License File Number: BLEDT-20030610AAO

Grant Date: September 10, 2003

This license expires 3:00 a.m.  
local time, June 01, 2006.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Callsign: KTWU

License No.: BLEDT-20030610AAO

Name of Licensee: WASHBURN UNIVERSITY OF TOPEKA

Station Location: KS-TOPEKA

Frequency (MHz): 524 - 530

Channel: 23

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

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

Description: DIE, TFU-26DSC-R P230

Beam Tilt: 1 Degrees Electrical

Major lobe directions                    90            270  
(degrees true):

Antenna Coordinates: North Latitude:        39 deg   03 min    50 sec

    West Longitude:        95 deg   45 min    49 sec

Transmitter output power: 23.77 kW  
    13.76 DBK

Maximum effective radiated power (Average):                    960 kW  
    29.8 DBK

Height of radiation center above ground:                    250.6 Meters

Height of radiation center above mean sea level: 580 Meters

Height of radiation center above average terrain: 281 Meters

Antenna structure registration number: 1032651

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

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