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Federal Communications Commission
Washington, D.C. 20554

August 27, 2010

1800E1-MRS

Washburn University of Topeka
1700 SW College Avenue
Topeka, KS 66621 - 1100

In Re: BDSTA-20100816ACH
KTWU-DT
Topeka, KS
Fac Id: 70938

Dear Licensee:

This is in response to your request for Experimental Authority, pursuant to Section 73.1510 of the Commission's rules to operate a digital facility with an increased effective radiated power (ERP) for station KTWU-DT. You state that station KTWU-DT is assigned Channel 11 for post-transition operations. However, since terminating your analog service, you state that the station is suffering from diminution in coverage due to the shortfall of digital coverage affecting upper-band VHF stations. In an effort to mitigate the reception issues, you request experimental authorization to increase KTWU-DT's operating power in order to determine if the increased ERP will help restore service to viewers who are having difficulty receiving the station's digital signal.

In support of this request, you state that KTWU-DT has received numerous calls and letters from viewers experiencing problems with the Channel 11 digital signal. In addition, station staff report major pockets of service loss areas near Manhattan, Lawrence, Emporia, and Junction City, Kansas with an overall number of lost viewers exceeding 400. Furthermore, you state that the station is losing contributors and donors because they can no longer access the KTWU-DT signal. Therefore, KTWU-DT proposes to conduct an experimental broadcast with an increased ERP of 76 kW to ascertain whether the power increase will substantially alleviate the reception problems pending further disposition as to how to ameliorate the primary coverage issues.

After a review of KTWU-DT's technical specifications, we note that some interference is predicted to be caused to the service area of station KSQA, Channel 12, Topeka, Kansas. Although station KSQA has not been constructed, the proposed facilities are protected and in the event that KSQA is activated on adjacent Channel 12 while the Experimental Authority is outstanding, Washburn University must immediately cease the increased ERP operations and return to the authorized power of 38 kW. If any additional problems from the proposed experimental operations do arise, we expect them to be solved expeditiously and the Bureau reserves the right to require termination of the operation.

The public interest would be served by the grant of this request because the Experimental Authority would facilitate experimentation directed toward improvement of KTWU-DT's high-band VHF signal and may be successful in restoring service to viewers who can no longer receive KTWU-DT programming. Accordingly, further signal measurement testing will allow KTWU-DT to determine the appropriate facilities necessary to restore service including potential digital replacement translators. Thus, we will grant this Experimental Authority to conduct tests on a temporary basis at 76 kW for KTWU-DT's digital operations on Channel 11.

With respect to radio frequency radiation (RFR), we expect compliance with Section 1.1307(b) of the Commission's Rules to be achieved.

Accordingly, the request for special temporary authority IS GRANTED subject to the technical parameters and conditions specified below.

Technical Parameters:

Channel: 11

Antenna Coordinates: N. Latitude: 39-03-50
W. Longitude: 95-45-49

Antenna Type: AND Non-Directional
Model No. ATW12V4-HTO-11

Maximum Effective Radiated Power: 76 kW

Radiation Center Above Mean Sea Level: 603.4 meters

Radiation Center Above Ground Level: 274.6 meters

HAAT: 302 meters

Tower Registration Number: 1032651

Special Conditions:

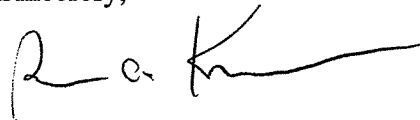
1. The grant of this construction permit is subject to the condition that, with ample time before commencing operation, you make a good faith effort to identify and notify health care facilities (e.g., hospitals, nursing homes, see 47 CFR 15.242(a)(1)) within your service area potentially affected by 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 station's 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.

2. The facility authorized herein must comply with the FCC's increased DTV coverage requirements specified in Section 73.625(a).

3. This authority expires six months from the date of this letter. If appropriate, a timely renewal request must be filed before the end of this period.

4. Hours of operation of this facility will be in accordance with Section 73.624(b) of the Commission's Rules.

Sincerely,



Barbara A. Kreisman
Chief, Video Division
Media Bureau

cc: Lawrence M. Miller, Esq.