

**APPLICATION FOR STATION LICENSE**  
**BRAZOS VALLEY COMMUNICATIONS, LTD**  
**KBXT RADIO STATION**  
**NEW FM AUXILIARY ANTENNA SYSTEM**  
**CH 270C3 - 101.9 MHZ - 0.13 KW**  
**FRANKLIN, TEXAS**  
**January 2009**

**TECHNICAL STATEMENT**

This Technical Statement was prepared on behalf of Brazos Valley Communications, LTD ("BVC"), licensee of radio station KBXT, Channel 270C3, Franklin, Texas.<sup>1</sup> BVC holds an outstanding permit for a new auxiliary antenna system for KBXT (BXPH-20081215ADE). BVC herein submits a license application to cover this outstanding permit. A calculation of the transmitter power output of the KBXT auxiliary antenna is attached as Exhibit A.

There are three operating conditions/restrictions on the KBXT auxiliary antenna permit. The first condition relates to the location of the KBXT auxiliary antenna system on the tower for AM station KTAM, Bryan, Texas. Specifically, the power of KTAM is to be determined using the indirect method while the antenna and line for the KBXT auxiliary is installed on the tower. The condition requires a review of antenna impedance measurements for KTAM and the submission of an application to return KTAM to the direct measurement of power. It was noted in the application for the KBXT permit that the antenna and line to be used for the auxiliary system was already in place on the tower (having been used for an emergency antenna for another facility). The line and antenna were on the tower when the last application to return KTAM

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1) BVC also holds a permit for KBXT to implement a downgrade to Channel 270A and change of community of license to Wixon Valley, Texas (BPH-20080211ADI).

to direct measurement of power was submitted to the Commission (BL-20070212BBO). There has been no subsequent change to the impedance of the KTAM tower; therefore, no additional filing for KTAM is needed. As such, since there has been no change to the KTAM facility as a result of the implementation of the KBXT facility, the filing of an application to return KTAM to direct power is, therefore, unnecessary.

The second condition relates to the location of the KBXT antenna mounting structure, within 3.2 kilometers of AM station KZNE, College Station, Texas, which operates a directional antenna system at night. The condition states that if the KBXT antenna system is mounted on a tower that is not base-insulated and detuned at the AM frequency, then a statement certifying that can be provided. The KBXT antenna is mounted on the KTAM AM tower. The KTAM tower is not base insulated and has no detuning apparatus installed with regard to the KZNE facility.<sup>2</sup> Therefore, the second condition has been satisfied.

The final condition requires BVC to lower the power, or cease operation of the auxiliary facility, in coordination with other tower users to protect persons having access to the site from radiofrequency electromagnetic fields in excess of the FCC guidelines. BVC will comply with this condition. It is believed that the KBXT auxiliary antenna has been constructed in compliance with the Commission's rules.

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2) KTAM is utilizing a folded unipole as part of the feed system for KTAM, but it is not used for detuning purposes of KZNE, nor are there any filters or other components installed for KZNE detuning.