

**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**

**EXHIBIT A**

**KBXT Transmission System Calculations**

Effective Radiated Power: Horizontal/Vertical	0.130 kilowatt
Antenna:	SWR FM 3/1 1 bay full wavelength spaced antenna
Horizontal gain	0.48
Transmission Line: (235 feet)	Andrew HJ7-50A 1 5/8 inch air 89.3% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.3033 kilowatt (303.3 watts)
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Facilities Authorized:	Channel 270C3 - 101.9 MHz
Effective Radiated Power:	0.130 kilowatt (H/V)
Geographic Coordinates:	North Latitude 30° 39' 01" West Longitude 96° 20' 57"
Antenna Center of Radiation:	Above Ground 25.0 meters Above MSL 122.0 meters HAAT 35.0 meters
Antenna Structure Registration #:	1052210