

**APPLICATION FOR STATION LICENSE**  
**CUMULUS LICENSING LLC**  
**KLUR RADIO STATION**  
**AUXILIARY ANTENNA SYSTEM**  
**CH 260C1 - 99.9 MHZ - 0.78 KW**  
**WICHITA FALLS, TEXAS**  
**August 2009**

**EXHIBIT A**

**KLUR Transmission System Calculations**

Effective Radiated Power:	0.78 kilowatts (H/V)
Antenna:	Celwave Antenna CPF-500-2 2 bay full wavelength spaced
Power gain:	0.933
Transmission Line: (200 feet)	Andrew Corporation LDF5-50A 7/8 inch foam dielectric 84.4% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.9905 kilowatt (990.5 watts)

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Facilities Authorized:	Channel 260C1 - 99.9 MHz
Effective Radiated Power:	0.78 kilowatt (H/V)
Geographic Coordinates:	North Latitude 33° 56' 30" West Longitude 98° 34' 06"
Antenna Center of Radiation:	Above Ground 64.0 meters Above MSL 369.0 meters HAAT 65.0 meters
Antenna Structure Registration #:	1049791