

**APPLICATION FOR STATION LICENSE**  
**OKLAHOMA COMMUNITY TELEVISION, LLC**  
**K26IR-D DIGITAL LPTV TRANSLATOR STATION**  
**CH 26 - (542-548) MHZ - 0.44 KW**  
**STRONG CITY, OKLAHOMA**  
**May 2010**

**EXHIBIT A**

**K26IR-D LPTV Translator Transmission System Calculations**

Effective Radiated Power:	0.44 kilowatt horizontal
Antenna:	Kathrein/Scala 770-881
Horizontal gain (maximum):	Power gain 6.310 (8.0 dB)
Transmission Line: (351 feet)	Andrew Corporation HJ7-50A 1 5/8 inch air dielectric 66.8% efficiency
Combiner:	Insertion loss : 0.5 dB 89.125% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1171 kilowatt (117.1 watts)
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Facilities Authorized:	Channel 26 - 542-548 MHz
Effective Radiated Power:	0.44 kilowatt (H)
Geographic Coordinates:	North Latitude 35° 46' 58" West Longitude 99° 35' 13"
Antenna Center of Radiation:	Above Ground 104.0 meters Above AMSL 817.0 meters
Antenna Structure Registration # :	1010041