

**APPLICATION FOR STATION LICENSE**  
**OKLAHOMA COMMUNITY TELEVISION, LLC**  
**K30JP-D DIGITAL LPTV TRANSLATOR STATION**  
**CH 30 - (566-572) MHZ - 0.41 KW**  
**SAYRE, OKLAHOMA**  
**July 2010**

**EXHIBIT A**

**K30JP-D LPTV Translator Transmission System Calculations**

Effective Radiated Power:	0.41 kilowatt (horizontal)
Antenna:	Kathrein/Scala 770-881
Horizontal gain (maximum):	Power gain 6.310 (8.0 dB)
Transmission Line: (416 feet)	Andrew Corporation HJ7-50A 1 5/8 inch air dielectric 61.2% efficiency
Combiner:	Insertion loss : 0.5 dB 89.125% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1191 kilowatt (119.1 watts)
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Facilities Authorized:	Channel 30 - 566-572 MHz
Effective Radiated Power:	0.41 kilowatt (H)
Geographic Coordinates:	North Latitude 35° 09' 05" West Longitude 99° 42' 50"
Antenna Center of Radiation:	Above Ground 124.0 meters Above AMSL 739.7 meters
Antenna Structure Registration # :	1010043