

**APPLICATION FOR STATION LICENSE**  
**OKLAHOMA COMMUNITY TELEVISION, LLC**  
**K14NY-D DIGITAL LPTV TRANSLATOR STATION**  
**CH 14 - (470-476) MHZ - 0.43 KW**  
**SAYRE, OKLAHOMA**  
**October 2010**

**EXHIBIT A**

**K14NY-D LPTV Translator Transmission System Calculations**

Effective Radiated Power:	0.43 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 64.2% 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 14 - 470-476 MHz
Effective Radiated Power:	0.43 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