

**APPLICATION FOR STATION LICENSE**  
**OKLAHOMA COMMUNITY TELEVISION, LLC**  
**K47LS-D DIGITAL LPTV TRANSLATOR STATION**  
**CH 47 - (668-674) MHZ - 0.89 KW**  
**HOLLIS, OKLAHOMA**  
**July 2010**

**EXHIBIT A**

**K47KS-D LPTV Translator Transmission System Calculations**

Effective Radiated Power:	0.89 kilowatt (horizontal)
Antenna:	Kathrein/Scala 771-304 w/0.75° beam tilt
Horizontal gain (maximum):	Power gain 12.589 (11.0 dB)
Transmission Line: (318 feet)	Andrew Corporation HJ7-50A 1 5/8 inch air dielectric 66.3% efficiency
Combiner:	Insertion loss : 0.5 dB 89.125% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1196 kilowatt (119.6 watts)
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Facilities Authorized:	Channel 47 - 668-674 MHz
Effective Radiated Power:	0.89 kilowatt (H)
Geographic Coordinates:	North Latitude 34° 44' 30" West Longitude 99° 48' 30"
Antenna Center of Radiation:	Above Ground 94.0 meters Above AMSL 625.0 meters
Antenna Structure Registration # :	1010042