

**APPLICATION FOR STATION LICENSE**  
**OKLAHOMA COMMUNITY TELEVISION, LLC**  
**K34JJ-D DIGITAL LPTV TRANSLATOR STATION**  
**CH 34 - (590-596) MHZ - 0.91 KW**  
**HOLLIS, OKLAHOMA**  
**July 2010**

**EXHIBIT A**

**K34JJ-D LPTV Translator Transmission System Calculations**

Effective Radiated Power:	0.91 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 68.1% 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 34 - 590-596 MHz
Effective Radiated Power:	0.91 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