

**NEW LPTV TRANSLATOR APPLICATION**  
**OKLAHOMA COMMUNITY TELEVISION, LLC**  
**NEW DIGITAL LPTV TRANSLATOR STATION**  
**CH 14 - (470-476 MHZ) - 0.430 KW**  
**SAYRE, OKLAHOMA**  
**December 2009**

**EXHIBIT C**

**New LPTV/TV Translator Transmission System Calculations**

Effective Radiated Power: Horizontal	0.43 kilowatt (maximum)
Antenna:	Kathrein/Scala Model 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 63.8% efficiency
TV Filter:	Insertion loss : 0.5 dB 89.125% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1198 kilowatts (119.8 watts)