

**DISPLACEMENT/FLASH-CUT APPLICATION**  
**OKLAHOMA COMMUNITY TELEVISION, LLC**  
**K68AU LPTV/TV TRANSLATOR STATION**  
**CH 21 - 512-518 MHZ - 0.420 KW**  
**ERICK, ETC., OKLAHOMA**  
**November 2009**

**EXHIBIT C**

**Channel 21 LPTV/TV Translator Transmission System Calculations**

Effective Radiated Power:	
Horizontal	0.42 kilowatt (maximum)
Antenna:	Kathrein/Scala Model 770-881
Horizontal gain (maximum):	Power gain 6.310 (8.0 dB)
Transmission Line:	Andrew Corporation HJ7-50A
(416 feet)	1 5/8 inch air dielectric 62.8% efficiency
TV Filter:	Insertion loss : 0.5 dB 89.125% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1189 kilowatts (118.9 watts)