

DISPLACEMENT/FLASH-CUT APPLICATION
OKLAHOMA COMMUNITY TELEVISION, LLC
K55BQ LPTV/TV TRANSLATOR STATION
CH 35 - 596-602 MHZ - 0.900 KW
HOLLIS, OKLAHOMA
June 2010

EXHIBIT C

Channel 35 LPTV/TV Translator Transmission System Calculations

Effective Radiated Power: Horizontal	0.90 kilowatt (maximum)
Antenna:	Kathrein/Scala Model 771-304
Horizontal gain (maximum):	Power gain 12.589 (11.0 dB)
Transmission Line: (318 feet)	Andrew Corporation HJ7-50A 1 5/8 inch air dielectric 68.0% efficiency
TV Filter:	Insertion loss : 0.5 dB 89.125% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1179 kilowatt (117.9 watts)