

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:	Andrew Corporation HJ7-50A
(416 feet)	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)