

APPLICATION FOR STATION LICENSE
OKLAHOMA COMMUNITY TELEVISION, LLC
K27JO-D DIGITAL LPTV TRANSLATOR STATION
CH 27 - (548-554) MHZ - 0.44 KW
STRONG CITY, OKLAHOMA
May 2010

EXHIBIT A

K27JO-D LPTV Translator Transmission System Calculations

Effective Radiated Power:	0.44 kilowatt horizontal
Antenna:	Kathrein/Scala 770-881
Horizontal gain (maximum):	Power gain 6.310 (8.0 dB)
Transmission Line: (351 feet)	Andrew Corporation HJ7-50A 1 5/8 inch air dielectric 66.6% efficiency
Combiner:	Insertion loss : 0.5 dB 89.125% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1175 kilowatt (117.5 watts)

Facilities Authorized:	Channel 27 - 548-554 MHz
Effective Radiated Power:	0.44 kilowatt (H)
Geographic Coordinates:	North Latitude 35° 46' 58" West Longitude 99° 35' 13"
Antenna Center of Radiation:	Above Ground 104.0 meters Above AMSL 817.0 meters
Antenna Structure Registration # :	1010041