

APPLICATION FOR STATION LICENSE
OKLAHOMA BROADCAST ASSOCIATES, LLC
K35JY-D DIGITAL LPTV TRANSLATOR STATION
CH 35 - (596-602) MHZ - 0.25 KW
LAMONT, OKLAHOMA
October 2010

EXHIBIT A

K35JY-D LPTV Translator Transmission System Calculations

Effective Radiated Power:	0.250 kilowatt (horizontal)
Antenna:	Kathrein/Scala SL8-35
Horizontal gain (maximum):	Power gain 13.804 (11.4 dB)
Transmission Line: (225.0 feet)	Andrew Corporation LDF7-50 1 5/8 inch foam dielectric 73.0% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0248 kilowatt (24.8 watts)
<hr/>	
Facilities Authorized:	Channel 35 - 596-602 MHz
Effective Radiated Power:	0.250 kilowatt (H)
Geographic Coordinates:	North Latitude 36° 35' 42" West Longitude 97° 34' 38"
Antenna Center of Radiation:	Above Ground 61.0 meters Above AMSL 400.0 meters
Antenna Structure Registration # :	1240545