

APPLICATION FOR STATION LICENSE
OKLAHOMA COMMUNITY TELEVISION, LLC
K14NY-D DIGITAL LPTV TRANSLATOR STATION
CH 14 - (470-476) MHZ - 0.43 KW
SAYRE, OKLAHOMA
October 2010

EXHIBIT A

K14NY-D LPTV Translator Transmission System Calculations

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|---|---|
| Effective Radiated Power: | 0.43 kilowatt (horizontal) |
| Antenna: | Kathrein/Scala 770-881 |
| Horizontal gain (maximum): | Power gain 6.310 (8.0 dB) |
| Transmission Line: (416 feet) | Andrew Corporation HJ7-50A 1 5/8 inch air dielectric 64.2% efficiency |
| Combiner: | Insertion loss : 0.5 dB 89.125% efficiency |
| Required Transmitter Power Output To Reach Effective Radiated Power: | 0.1191 kilowatt (119.1 watts) |
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| Facilities Authorized: | Channel 14 - 470-476 MHz |
| Effective Radiated Power: | 0.43 kilowatt (H) |
| Geographic Coordinates: | North Latitude 35° 09' 05" West Longitude 99° 42' 50" |
| Antenna Center of Radiation: | Above Ground 124.0 meters Above AMSL 739.7 meters |
| Antenna Structure Registration # : | 1010043 |