

APPLICATION FOR STATION LICENSE
STILLWATER BROADCASTING, LLC
KVRO (FM) RADIO STATION
CH 266A - 101.1 MHZ - 6.0 KW
STILLWATER OKLAHOMA
March 2008

EXHIBIT A

KVRO Transmission System Calculations

Effective Radiated Power:	
Horizontal	6.0 kilowatts
Vertical	6.0 kilowatts
Antenna:	Electronics Research, Inc. LPX-4E 4 bay full wavelength spaced antenna
Horizontal gain	2.1332
Transmission Line: (258 feet)	Andrew HJ7-50A 1 5/8 inch air dielectric 88.4% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	3.181 kilowatts
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Facilities Authorized:	Channel 266A - 101.1 MHZ
Effective Radiated Power:	6.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 36° 13' 10" West Longitude 97° 09' 47"
Antenna Center of Radiation:	Above Ground 75.0 meters Above MSL 413.0 meters HAAT 100.0 meters
Antenna Structure Registration #:	1053120