

APPLICATION FOR STATION LICENSE
FAMILY BROADCASTING GROUP, INC.
KSBI-DT TELEVISION STATION
CH 51 - 692-698 MHZ - 1000.0 KW
OKLAHOMA CITY, OKLAHOMA
June 2009

EXHIBIT A

KSBI-DT Transmission System Calculations

Effective Radiated Power: Horizontal	1000.0 kilowatts (30.0 dBk)
Antenna:	Dielectric Communications TFU-30GBH-R 06DC
Horizontal gain (RMS):	Power gain 26.0 (14.15 dB) H Pol
Transmission Line: (1,660 feet)	Dielectric Communications 8 3/16 inch EHT air dielectric 69.4% efficiency 1.587 db attenuation
Required Transmitter Power Output To Reach Effective Radiated Power:	55.42 kilowatts (17.44 dBk)
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Facilities Authorized:	Channel 51 (692-698 MHz)
Effective Radiated Power:	1000.0 kW (H)
Geographic Coordinates:	North Latitude 35° 35' 52" West Longitude 97° 29' 22"
Antenna Center of Radiation:	Above Ground 469.4 meters Above MSL 806.4 meters HAAT 457.9 meters
FCC Tower Registration Number:	1045226