

APPLICATION FOR STATION LICENSE
KSUN COMMUNITY RADIO
KDBN (FM) RADIO STATION
CH 266A - 101.1 MHZ - 0.425 KW
PARACHUTE, COLORADO
June 2013

EXHIBIT A

KDBN Transmission System Calculations

Effective Radiated Power:	0.425 Kilowatt (Horizontal/Vertical)
Antenna:	Systems With Eliability FMEC/2 2 bay full wavelength spaced antenna
Power Gain:	1.0
Transmission Line: (100 feet)	Andrew LDF4-50A ½ inch foam dielectric 85.3% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.498 Kilowatt (498 watts)

Geographic Coordinates:	North Latitude	39° 26' 31"
	West Longitude	108° 01' 15"
Antenna Center of Radiation:	Above MSL	1,705.0 meters
	HAAT	- 426.0 meters
	AGL	17.0 meters
ASRN:	N/A	