

**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: Andrew LDF4-50A  
(100 feet) ½ inch foam dielectric  
85.3% Efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power: 0.498 Kilowatt (498 watts)

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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	