

**APPLICATION FOR AUXILIARY STATION LICENSE**  
**DOUBLE O TEXAS CORPORATION**  
**KKCN (FM) RADIO STATION**  
**CH 276C1 - 103.1 MHZ - 1.9 KW**  
**BALLINGER, TEXAS**  
**April 2006**

**EXHIBIT A**

**KKCN Transmission System Calculations**

Effective Radiated Power:	
Horizontal	1.9 kilowatts
Vertical	1.9 kilowatts
Antenna:	OMB GP-2 2 bay full wavelength spaced
Horizontal gain	1.0
Transmission Line:	Andrew Corp. LDF5-50A
(269 feet)	7/8 inch foam dielectric 79.3% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	2.39 kilowatts

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Facilities Authorized:	Channel 276C1 - 103.1 MHz
Effective Radiated Power:	1.9 kilowatts (H/V)
Geographic Coordinates:	North Latitude   31° 27' 43" West Longitude   100° 26' 03"
Antenna Center of Radiation:	Above Ground   60.0 meters Above MSL       620.0 meters HAAT            43.0 meters
Antenna Structure Registration #:	N/A