

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: (269 feet)	Andrew Corp. LDF5-50A 7/8 inch foam dielectric 79.3% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	2.39 kilowatts

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