

**APPLICATION FOR STATION LICENSE**  
**LEIGHTON ENTERPRISES, INC.**  
**KYCK (FM) RADIO STATION**  
**CH 246C1 - 97.1 MHZ - 100.0 KW**  
**CROOKSTON, MINNESOTA**  
**March 2006**

**EXHIBIT A**

**KYCK Transmission System Calculations**

Effective Radiated Power:	
Horizontal	100.0 kilowatts
Vertical	100.0 kilowatts
Antenna:	Harris/ERI FMH-8E/SHP-8AE 8 bay full wavelength spaced
Horizontal gain	4.4872
Transmission Line: (369 feet)	Cablewave Systems HCC300-50 3 inch air dielectric 89.9% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	24.789 kilowatts

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Facilities Authorized:	Channel 246C1 - 97.1 MHz
Effective Radiated Power:	100.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 47° 49' 20" West Longitude 96° 49' 13"
Antenna Center of Radiation:	Above Ground 111.0 meters Above MSL 369.0 meters HAAT 113.0 meters
Antenna Structure Registration #:	1062816