

APPLICATION FOR STATION LICENSE
IRON RANGE BROADCASTING, INC.
WEVE-FM RADIO STATION
CH 250C1 - 97.9 MHZ - 100.0 KW (DA)
EVELETH, MINNESOTA
January 2008

EXHIBIT A

WEVE-FM Transmission System Calculations

Effective Radiated Power:	
Horizontal	100.0 kilowatts
Vertical	98.0 kilowatts
Antenna:	Shively Labs 6810-6R-DA 6 bay full wavelength spaced
Horizontal gain	5.533
Transmission Line: (172 feet)	Andrew HJ8-50B 3 inch air dielectric 94.7% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	19.084 kilowatts

Facilities Authorized:	Channel 250C1 - 97.9 MHz
Effective Radiated Power:	100.0 kilowatts (H/V)
Geographic Coordinates:	North Latitude 47° 35' 53" West Longitude 92° 13' 26"
Antenna Center of Radiation:	Above Ground 53.0 meters Above MSL 608.0 meters HAAT 158.0 meters
Antenna Structure Registration Number:	N/A