

APPLICATION FOR STATION LICENSE
FAMILY WORSHIP CENTER CHURCH, INC.
KNFA RADIO STATION
CH 214A - 90.7 MHZ - 1.3 KW
GRAND ISLAND, NEBRASKA
February 2010

EXHIBIT A

KNFA Transmission System Calculations

Effective Radiated Power:	
Horizontal/Vertical	1.3 kilowatts
Antenna:	Systems With Reliability - Model FM 3R/2
	2 bay full wavelength spaced
Horizontal gain	1.0
Transmission Line:	Andrew Corporation LDF5-50A
(205 feet)	7/8 inch foam dielectric
	84.7% Efficiency
Required Transmitter Power Output	
To Reach Effective Radiated Power:	1.535 kilowatts

Facilities Authorized:	Channel 214A - 90.7 MHz
Effective Radiated Power:	1.3 kilowatts (H/V)
Geographic Coordinates:	North Latitude 40° 54' 50"
	West Longitude 98° 23' 52"
Antenna Center of Radiation:	Above Ground 56.0 meters
	Above MSL 628.0 meters
	HAAT 58.0 meters
Antenna Structure Registration #:	1027246