

APPLICATION FOR STATION LICENSE
FAMILY LIFE EDUCATIONAL FOUNDATION
K214BE FM TRANSLATOR
CH 214D - 90.7 MHZ - 0.25 KW
SHREVEPORT, LOUISIANA
April 2012

EXHIBIT A

K214BE Transmission System Calculations

Effective Radiated Power:	0.25 kilowatt (horizontal/vertical)
Antenna:	ERI 101A One bay full wavelength - circular
Power Gain	0.42
Transmission Line: (278 feet)	Andrew Corporation LDF4-50A 1/2 inch foam dielectric 65.9% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.9032 kilowatt (903.2 watts)

Facilities Authorized:	Channel 214D - 90.7 MHz
Effective Radiated Power:	0.25 kilowatt (H/V)
Geographic Coordinates:	North Latitude 32° 29' 57" West Longitude 93° 45' 03"
Antenna Center of Radiation:	Above Ground 75.0 meters Above MSL 155.0 meters
Antenna Structure Registration #:	1013804