

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: Andrew Corporation LDF4-50A
(278 feet) 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