

APPLICATION FOR STATION LICENSE
FAMILY WORSHIP CENTER CHURCH, INC.
K214EQ FM TRANSLATOR STATION
CH 214D - 90.7 MHZ - 0.005 KW
PALESTINE, TEXAS
April 2010

EXHIBIT A

K214EQ Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.005 kilowatt
Vertical	0.005 kilowatt
Antenna:	Systems with Reliability - SWR FMEC-1 1 bay circularly polarized antenna
Antenna System Power Gain	0.46
Transmission Line:	Andrew Corporation LDF5-50A
(365 feet)	7/8 inch foam dielectric 74.5% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0146 kilowatt (14.6 watts)
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Facilities Authorized:	Channel 214D - 90.7 MHz
Effective Radiated Power:	0.005 kilowatt (H/V)
Geographic Coordinates:	North Latitude 31° 48' 19" West Longitude 95° 36' 36"
Antenna Center of Radiation:	Above Ground 105.0 meters Above MSL 262.0 meters
Antenna Structure Registration #:	1047177