

APPLICATION FOR STATION LICENSE
FAMILY WORSHIP CENTER CHURCH, INC.
K216FD FM TRANSLATOR
CH 216D - 91.1 MHZ - 0.04 KW
COLUMBUS, TEXAS
May 2016

EXHIBIT A

K216FD Transmission System Calculations

Effective Radiated Power:	0.04 Kilowatt (Horizontal/Vertical)
Antenna:	BEXT / TFC2K Single bay 1.0 wavelength spaced antenna
Power Gain	0.457
Transmission Line: (310 feet / 94.5 meters)	FLC12-50J 1/2 inch foam dielectric 62.15% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.140 Kilowatt (140 watts)

Facilities Authorized:	Channel 216D - 91.1 MHz
Effective Radiated Power:	0.04 Kilowatt (H/V)
Geographic Coordinates:	North Latitude 29° 41' 32" West Longitude 96° 35' 52"
Antenna Center of Radiation:	Above Ground 87.0 meters Above MSL 169.0 meters
Antenna Structure Registration #:	1027203