

**APPLICATION FOR STATION LICENSE**  
**FAMILY WORSHIP CENTER CHURCH, INC.**  
**WFFL (FM) RADIO STATION**  
**CH 219A - 91.7 MHZ - 0.31 KW (DA)**  
**PANAMA CITY, FLORIDA**  
**February 2007**

**EXHIBIT A**

**WFFL Transmission System Calculations**

Effective Radiated Power:

Horizontal	0.310 kilowatt
Vertical	0.304 kilowatt

Antenna:	Shively Labs, Model 6810-1-DA 1 bay directional
Horizontal gain	1.146
Vertical gain	1.123

Transmission Line:	Andrew Corp - HJ7-50A
(240 feet)	1 5/8 inch air dielectric 89.6% Efficiency

Required Transmitter Power Output To Reach Effective Radiated Power:	0.3019 kilowatt (301.9 watts)
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Facilities Authorized:	Channel 219A - 91.7 MHz
Effective Radiated Power:	0.310 kilowatt (H/V)
Geographic Coordinates:	North Latitude 30° 10' 48" West Longitude 85° 38' 10"
Antenna Center of Radiation:	Above Ground 56.0 meters Above MSL 66.0 meters HAAT 63.0 meters
Antenna Structure Registration #:	1207909