

**APPLICATION FOR STATION LICENSE**  
**CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.**  
**W240BV FM TRANSLATOR**  
**CH 240D - 95.9 MHZ - 0.038 KW**  
**MOUNT DORA, FLORIDA**  
**August 2006**

**EXHIBIT A**

**W240BV Transmission System Calculations**

Effective Radiated Power:	
Horizontal	0.038 kilowatt
Vertical	0.038 kilowatt
Antenna:	Electronics Research, Inc. 100-4-HW 4 bay half wavelength antenna
Antenna System Power Gain	1.1760
Transmission Line:	Andrew LDF4-50A
(230 feet)	1/2 inch foam dielectric 70.2% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.04602 kilowatt (46.02 watts)

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Facilities Authorized:	Channel 240D - 95.9 MHz
Effective Radiated Power:	0.038 kilowatt (H/V)
Geographic Coordinates:	North Latitude   28° 49' 15" West Longitude   81° 41' 47"
Antenna Center of Radiation:	Above Ground   67.0 meters Above MSL       97.0 meters
Antenna Structure Registration #:	1027582