

APPLICATION FOR STATION LICENSE
CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.
W241BL FM TRANSLATOR
CH 241D -96.1 MHZ - 0.115 KW (V)
MOUNT DORA, FLORIDA
October 2011

EXHIBIT A

W241BL Transmission System Calculations

Effective Radiated Power:	0.115 kilowatt (vertical)
Antenna:	Scala CA5-FM Five element Yagi vertically polarized Oriented at 290° true
Power Gain	7.94
Transmission Line: (396 feet) ¹	Andrew Corporation LDF4-50A 1/2 inch foam dielectric 54.3% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0266 kilowatt (26.6 watts)

Facilities Authorized:	Channel 241D - 96.1 MHz
Effective Radiated Power:	0.115 kilowatt (V)
Geographic Coordinates:	North Latitude 28° 46' 19" West Longitude 81° 37' 35"
Antenna Center of Radiation:	Above Ground 73.0 meters Above MSL 119.0 meters
Antenna Structure Registration #:	1030516

1) There is excess line being used for this system based on availability. Rather than cutting the line to length, the remaining line is being coiled at the base of the tower.