

APPLICATION FOR STATION LICENSE
CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.
W241BL FM TRANSLATOR
CH 241D -96.1 MHZ - 0.019 KW
TAVARES, FLORIDA
April 2011

EXHIBIT A

W241BL Transmission System Calculations

Effective Radiated Power:	0.019 kilowatt (horizontal/vertical)
Antenna:	Electronics Research, Inc. 100-4-HW Four bay circularly polarized half wavelength spaced antenna.
Power Gain	1.1760
Transmission Line: (366 feet)	Andrew Corporation LDF4-50A 1/2 inch foam dielectric 56.9% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0284 kilowatt (28.4 watts)

Facilities Authorized:	Channel 241D - 96.1 MHz
Effective Radiated Power:	0.019 kilowatt (H/V)
Geographic Coordinates:	North Latitude 28° 51' 35" West Longitude 81° 46' 27"
Antenna Center of Radiation:	Above Ground 107.0 meters Above MSL 127.0 meters
Antenna Structure Registration #:	1030743