

APPLICATION FOR STATION LICENSE
CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.
W274BB FM TRANSLATOR STATION
CH 274D - 102.7 MHZ - 0.12 KW
HAINES CITY, FLORIDA
March 2008

EXHIBIT A

W274BB Transmission System Calculations

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|---|---|
| Effective Radiated Power: | |
| Horizontal | 0.12 kilowatt |
| Vertical | 0.12 kilowatt |
| Antenna: | Electronics Research, Inc. 100-2 2 bay half wavelength |
| Antenna System Power Gain | 0.632 |
| Transmission Line: (85 feet) | Andrew LDF4-50A 1/2 inch foam dielectric 87.3% Efficiency |
| Required Transmitter Power Output To Reach Effective Radiated Power: | 0.2175 kilowatt (217.5 watts) |

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|-----------------------------------|--|
| Facilities Authorized: | Channel 274D - 102.7 MHz |
| Effective Radiated Power: | 0.120 kilowatt (H/V) |
| Geographic Coordinates: | North Latitude 28° 09' 29" West Longitude 81° 37' 34" |
| Antenna Center of Radiation: | Above Ground 15.0 meters Above MSL 66.0 meters |
| Antenna Structure Registration #: | 1036767 |