

APPLICATION FOR STATION LICENSE
CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.
WPOZ (FM) RADIO STATION
CH 202C2 - 88.3 MHZ - 2.3 KW
UNION PARK, FLORIDA
November 2002

EXHIBIT #A

WPOZ Transmission System Calculations

Effective Radiated Power:

Horizontal

2.3 kilowatts

Vertical

2.3 kilowatts

Antennas:

Dielectric DCR-M1

1 bay full wavelength

Horizontal gain

0.46

Transmission Line:

(1,400 feet)

Dielectric Series 70

3 1/8 inch air dielectric (rigid)

75.05% Efficiency

Required Transmitter Power Output

To Reach Effective Radiated Power:

6.67 kilowatts

Facilities Authorized:

Channel 202C2 - 88.3 MHz

Effective Radiated Power:

2.3 kilowatts (H/V)

Geographic Coordinates:

North Latitude 28° 36' 07"

West Longitude 81° 05' 37"

Antenna Center of Radiation:

Above Ground 396.0 meters

Above MSL 416.0 meters

HAAT 404.0 meters

Antenna Structure Registration Number:

1026744