

APPLICATION FOR AUXILIARY STATION LICENSE
CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.
WPOZ RADIO STATION - AUXILIARY ANTENNA
CH 202C1 - 88.3 MHZ - 10.0 KW
UNION PARK, FLORIDA
May 2009

EXHIBIT A

WPOZ Transmission System Calculations

Effective Radiated Power:	10.0 kilowatts (H)
Antenna:	Harris Corporation TAD-6MB-3/18 6 bay TV antenna
Power gain:	4.2
Transmission Line: (1,550 feet)	Dielectric Communications 6 1/8 inch rigid air 84.8% Efficiency
Combiner:	Electronics Research, Inc., Model 960-8 Insertion loss : 0.628 dB Efficiency : 86.537%
Required Transmitter Power Output To Reach Effective Radiated Power:	3.2445 kilowatts

Facilities Authorized:	Channel 202C1 - 88.3 MHz
Effective Radiated Power:	10.0 kilowatts (H)
Geographic Coordinates:	North Latitude 28° 36' 07" West Longitude 81° 05' 37"
Antenna Center of Radiation:	Above Ground 438.0 meters Above MSL 458.0 meters HAAT 448.0 meters
Antenna Structure Registration #:	1026744