

**LICENSE APPLICATION FOR AN AUXILIARY AT THE WPOZ STUDIO**  
**CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.**  
**RADIO STATION WPOZ**  
**CH 202A - 88.3 MHZ – 9.0 KW**  
**UNION PARK, FLORIDA**  
**June 2015**

**EXHIBIT 7**

**WPOZ Transmission System Calculations**

Effective Radiated Power: 9.0 kilowatts (Vertical only)

Antenna: Shively Labs  
Model 6510  
Vertical Dipole, one section

Horizontal gain: Gain: 0.92

Transmission Line: Andrew HJ7-50A  
(140 feet) 1 5/8 inch air heliax  
94.0 % efficiency

Required Transmitter Power Output  
To Reach Effective Radiated Power: 10.4 kilowatts

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Facilities Authorized: Channel 202A – 88.3 MHz

Effective Radiated Power: 9.0 kilowatts (V)

Geographic Coordinates: North Latitude 28° 39' 27"  
West Longitude 81° 25' 34"

Antenna Center of Radiation Above Ground 37.0 meters  
Above MSL 68.0 meters  
HAAT 45.0 meters

Antenna Structure Registration #: Not Required