

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

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