

INTERIM/INDEPENDENT FACILITY APPLICATION
CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.
WPOZ RADIO STATION
CH 202C1 - 88.3 MHZ - 13.0 KW
UNION PARK, FLORIDA
October 2008

EXHIBIT C

Radio Frequency Assessment

A study has been made to determine whether this proposal is in compliance with 47 C.F.R. §1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations, and utilizes the appropriate formulas contained in the OET Bulletin.¹ It is noted that the WPOZ antenna is located on a tower which is immediately adjacent to other towers, as such, it is located in a tower farm.

The proposed WPOZ interim/independent antenna system is to be mounted with its center of radiation 396.0 meters (1299.2 feet) above the ground at the tower location and will operate with an effective radiated power of 13.0 kilowatts in the horizontal and vertical planes (circularly polarized). The WPOZ interim/independent antenna will be an Electronics Research, Inc., Model LPX-5E five bay full wavelength rototiller style antenna system (FCC/EPA Type #3). At 2.0 meters above the ground at the base of the tower, the height of an average person, the WPOZ interim/independent antenna system will contribute 0.0042 mw/cm².² Based on exposure

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- 1) The contributions of the FM facilities were calculated using the FMModel program. A single bay EPA dipole antenna was used for calculation purposes. In cases where the number of bays of the antenna was known, this data was used in the FMModel program.
 - 2) This level of field occurs at 139.0 meters out from the base of the tower and is considered worst case.

limitations for a controlled environment, 0.4% of the allowable limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 2.1% of the ANSI limit is reached at 2.0 meters above ground at the base of the tower.

Since this level for controlled and uncontrolled environments is less than the 5% limit defined by the Commission in §1.1307(b)(3)(i), the proposed WPOZ interim/independent facility is believed to be in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. Further, CFEF will post warning signs in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, CFEF will reduce the power of the facility or cease operation, in cooperation and coordination with other tower users, as necessary, to protect persons having access to the site, tower or antenna from radio frequency radiation in excess of FCC guidelines