

APPLICATION FOR STATION LICENSE
CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.
RADIO STATION WPOZ
CH 202C – 88.3 MHZ – 100.0 KW (DA)
ORLANDO, FLORIDA
October 2017

EXHIBIT 9A

SPECIAL OPERATING CONDITIONS - TECHNICAL STATEMENT

This Technical Statement was prepared by Central Florida Educational Foundation, Inc. (“CFEF”), licensee of radio station WPOZ, Channel 202C Union Park, Florida. CFEF has a construction permit, BPED-20170504ABA, to re-license the current facilities from Union Park to Orlando, Florida, utilizing the exact same technical parameters licensed in BLED-20150720ABU, at the current tower¹.

What is demonstrated herein is the continued compliance of the current operating parameters with the three (3) conditions/restrictions contained in the outstanding permit.

The first condition states:

The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit.

A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:

100 kilowatts.

¹ ASRN #1026744, owned by WPOZ

Principal minima and their associated field strength limits:

0 degrees True: 20.0 kilowatts

230 degrees True: 9.9 kilowatts

320 degrees True: 14.5 kilowatts.

Condition one is addressed in detail in the antenna proof of performance from ERI as attached to the license application for BLED-20150720ABU, and is attached for reference as **Exhibit 9B**. The relative field strength of neither the measured horizontal or vertical radiation component exceeds at any azimuth the values indicated on the composite radiation pattern authorized by the construction permit.

As demonstrated on page 5 of **Exhibit 9B**, the relative field strength of 1.0 on the composite radiation pattern equals 100 kilowatts and is achieved with the horizontal component at 133° degrees true and the maximum vertical component at 142° degrees true.

The 0° true principal minima (minimum) field strength limit for WPOZ is required to be 20 kilowatts or below. As demonstrated on page 6 of **Exhibit 9B**, the highest measured relative field at 0° true is 0.402, which is the horizontal component, this translates to a power level of 16.189 kilowatts. With the vertical component less than that, both H&V components are under the limit of 20 kilowatts at 0° true, which complies.

The 230° true principal minima (minimum) field strength limit for WPOZ is required to be 9.9 kilowatts or below. Looking at page 6, the highest measured relative field at 230° is 0.289, which is the vertical component, this translates to a power level of 8.379 kilowatts.

With the horizontal component less than that, both H&V components are under the limit of 9.9 kilowatts at 230° true, which complies.

Further, the 320° true principal minima (minimum) field strength limit for WPOZ is required to be 14.5 kilowatts or below. Again as demonstrated on page 6, the highest measured relative field at 320° is 0.372, which is the horizontal component, this translates to a power level of 13.866 kilowatts. With the vertical component less than that, both H&V components are under the limit of 14.5 kilowatts at 320° true, which complies.

Therefore, the ERI directional antenna system currently licensed in BLED-20150720ABU complies fully with this condition contained in BPED-20170504ABA.

The second condition states:

Further modifications of WMYZ(FM), Facility ID# 27291, Clermont, FL and WKTO(FM), Facility ID# 42684, Edgewater, FL will not be construed as a per se modification of WPOZ(FM)'s facility. (See Educational Information Corporation, 6 FCC Rcd. 2207 (1991)).

CFEF acknowledges this condition.

The third condition states:

The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

CFEF will comply with this condition. CFEF will reduce the power of WPOZ, or cease operation in coordination with other users of the tower, to protect the persons having access to the site from radio frequency electromagnetic fields in excess of FCC guidelines.

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Based on the foregoing, it is believed that WPOZ is operating in compliance with the current license, BLED-20150720ABU, in compliance of the Commission's rules, and that all conditions and restrictions of the outstanding construction permit, BPED-20170504ABA, have been satisfied. Therefore, WPOZ is ready for re-license to Orlando, Florida.