

APPLICATION FOR STATION LICENSE
CENTRAL FLORIDA EDUCATIONAL FOUNDATION, INC.

FM TRANSLATOR W250BH
CH 250D – 97.9 MHZ - 0.25 KW - DA
MELBOURNE, FLORIDA

March 29, 2017

EXHIBIT 10
TECHNICAL STATEMENT AND THE FULLFILLMENT SPECIAL OPERATING
RESTRICTIONS AND CONDITIONS

This Technical Statement was prepared by Central Florida Educational Foundation, Inc., (“CFEF”), permittee of FM translator station W250BH, Channel 250D, Facility ID# 142447, Melbourne, Florida. CFEF has constructed W250BH to re-broadcast the programs of co-owned WPOZ HD-2 as fed via “other”, a high-speed fiber-optic broadband connection direct from the WPOZ Altamonte Springs studios.

This instant application seeks a license to cover of the outstanding permit BMPFT-20170208AHY (a modification of BPFT-20160203AAG) utilizing a Propagation Systems, Inc., (“PSI”) model PSI-FML-2A-50WS-DA, two (2) section, half-waved spaced, directional antenna certified by PSI to conform to the on-file pattern.

The new W250BH antenna is assembled according to manufacturer’s instructions, mounted and oriented on the permitted tower, ASRN# 1039555, at the permitted height and at the azimuth specified in the directional antenna proof of performance. The PSI proof is attached to the instant application as Exhibit 11.

Exhibit 12 contains the license information and system calculation of the transmitter power output (TPO) for W250BH.

There are three (3) special operating conditions/restrictions listed on the W250BH permit and are addressed as follows.

The first W250BH condition or restriction 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 states that in cooperation with other tower users, W250BH will reduce power or cease operation altogether, as necessary, to insure that persons having access to the tower will not be exposed to radio frequency electromagnetic fields in excess of the FCC’s guidelines.

The second W250BH condition or restriction states:

“Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file at the Commission, FCC Form 350, Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.”

The instant application on FCC Form 350 brings this facility into compliance with this condition/restriction.

The third W250BH condition or restriction states:

“BEFORE PROGRAM TESTS COMMENCE, sufficient measurements shall be made to establish that the operation authorized in this construction permit is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements must be made with all stations simultaneously utilizing the shared antenna. These measurements shall be submitted to the Commission along with the FCC Form 350-FM application for license.”

W250BH is not sharing an antenna with any other broadcast service. The old W250BH antenna was retired and removed from the tower. Radio station WEJF, Palm Bay, FL., is

licensed with vertical polarization only and located on the same tower over 85 vertical feet and 7.6 MHz in frequency removed from the W250BH antenna array, which is half-waved spaced. Given the distance, the frequency difference and the antenna types, very little coupling is possible. However, once W250BH is on the air, CFEF engineers will take a spectrum analyzer to the site and make a sweep in the vicinity of the tower for mixing products and take corrective actions as needed.

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Based on the foregoing, all construction permit conditions and restrictions have been satisfied. W250BH, Melbourne, Florida, has been constructed in compliance with all pertinent FCC rules and regulations and the outstanding permit BMPFT-20170208AHY, and is ready for license.