



September 3, 2020

**WEHR-LP Port Saint Lucie, FL 100.7 MHz - Facility ID: 135196**  
**Application for Minor Modification of BLL-20130208AAA**

This application proposes to increase the antenna height and correspondingly reduce the effective radiated power of Low Power FM (LPFM) Station WEHR-LP in Port Saint Lucie, FL. The antenna is located on the tower registered as Antenna Structure Registration (ASR) 1052692. This application corrects the LPFM antenna coordinates slightly to match those of the ASR. No other changes are being proposed.

**Increase in Height, Reduction in ERP - 47 C.F.R. Section 73.811**

The LPFM will use a single bay SWR FM1 antenna. The antenna will be placed 70.1 meters above ground level (AGL). The ground elevation of the tower site is 4.3 meters above mean sea level (AMSL). Therefore the center of radiation above mean sea level (RCAMSL) is 74.4 meters. The proposed RCAMSL produces a height above average terrain (HAAT) of 73.2 meters. Therefore, in accordance with 47 C.F.R. 73.811 the maximum ERP for the proposed facility is 18 watts. The minimum ERP is 9 watts.

**47 C.F.R. Section 1.1306**

A Commission grant of authorization for this location would not be an action which will have a significant environmental effect. The proposed facility will operate with less than 100 watts ERP. It will utilize an existing communications tower. The permittee/licensee in coordination with other users of the site will 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.

**47 C.F.R. Sections 73.807, 73.825 & 73.827(a)**

The proposed facility satisfies all of the minimum separation requirements of 47 C.F.R. 73.807. The proposed facility will operate on FM channel 267 so 47 C.F.R. 73.807 does not apply. The only authorized FM broadcast translator within 10 kilometers of the proposed site is W285FN Port Saint Lucie, FL Facility ID 156985. W285FN is a fill-in translator for AM broadcast station WIRA AM Fort Pierce. The proposed LPFM system will not interfere with the input signals of any FM translator or FM booster stations. Therefore the proposal satisfies 47 C.F.R. 73.827(a).

  
Carl E. Gluck, CPBE

