

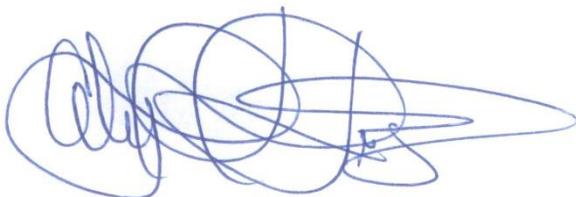
Engineering Statement.  
Application for Auxiliary Facility Construction Permit.  
Puerto Rico Public Broadcasting Corporation.  
WIPR-TV Facility ID: 53859  
Channel 26  
San Juan, Puerto Rico

**I. Introduction**

The Puerto Rico Public Broadcasting Corporation (“PRPBC”) is the licensee of television station WIPR-TV San Juan, Puerto Rico, Facility ID No. 53859. The PRPBC proposes adding an Auxiliary facility for WIPR-TV with an ERP of 200 kW horizontal, 60 kW vertical, and an antenna height above ground level of 52.7 meters. *The proposed WIPR-DTX facility is compliant with all interference protection requirements. The interference analysis result is attached using FCC’s TVStudy version 2.2.5 predicted service and interference analysis tool, using a cell size of 1.0 Km and a profile point spacing of 1.0 km.* In addition, the proposed DTX facility noise-limited contour is contained within the WIPR-TV primary facility contour, as demonstrated in the included noise-limited contour map.

**II. Protection of FCC Monitoring Station and Arecibo Observatory**

The proposed WIPR-DTX facility is 42.1 KM from the FCC monitoring station at Santa Isabel, Puerto Rico. Because of the low ERP of the WRFB-DT radiation toward the Santa Isabel monitoring station and the intervening terrain, no adverse effects to the monitoring station are expected. Also, the proposed auxiliary facility coverage contour is contained within the WIPR-TV authorized contour; therefore, notification to the Arecibo Observatory is not deemed necessary.



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