

ENGINEERING STATEMENT  
APPLICATION FOR MINOR CHANGE  
PUERTO RICO PUBLIC BROADCASTING CORPORATION.  
TELEVISION STATION WIPR-TV, SAN JUAN, PR  
DTV CHANNEL 26, 750 KW H. 225 KW V., 1109.4 M AMSL, 761.4 M HAAT

**I. Introduction**

This engineering exhibit is prepared to support a minor change to the presently authorized construction permit, file Number: 0000034681, of Television Station WIPR-TV, Facility ID: 53859, San Juan, Puerto Rico, to decrease the antenna height above ground level from 289.4 to 203.5 meters, slightly reduce the ERP from 800 kW to 750 kW elliptical polarization and change the antenna azimuth from 330 to 350 degrees.

There is no change in the antenna model. The azimuth and elevation patterns pieces of information are attached.

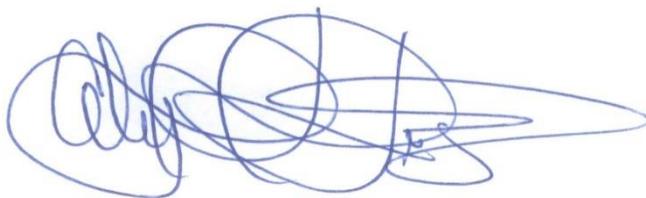
The proposed WIPR-TV minor change complies with the FCC Rules interference protection requirements. The interference analysis results, using a cell size of 1.0 km and a profile spacing of 1.0 km, with FCC's *TVStudy version 2.2.5*. are attached hereto.

As there are no changes to the antenna location, the instant proposal complies with the principal city coverage requirements.

This application includes a map showing the predicted WIPR-TV noise limited and city-grade contours.

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

The proposed WIPR-TV facility is 36.2 Km from the FCC monitoring station at Santa Isabel, Puerto Rico. Although the proposal is within coordination distance of the FCC monitoring station, the proposed minor change will reduce the radiation toward the monitoring station by 1.5 dB; therefore, no adverse effect on the monitoring station is expected. Also, the proposed facility coverage contour is contained within the WIPR-TV present construction permit contour; therefore, notification to the Arecibo Observatory is not deemed necessary.

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