

Engineering Statement  
Minor Change Application Amendment  
Telecinco Inc.  
WRFB-DT  
Channel 30  
Carolina, Puerto Rico

**I. Introduction**

This engineering narrative amendment to application file number 0000203288 is prepared to support a minor modification to the authorized facilities of TV station WRFB-DT Carolina, Puerto Rico, file number 0000034795. WRFB Licensee proposes to modify the present construction permit to slightly increase the height of the antenna radiation center, change the antenna azimuth, antenna manufacturer, and model, and specify the antenna manufacturer's actual vertical elevation pattern.

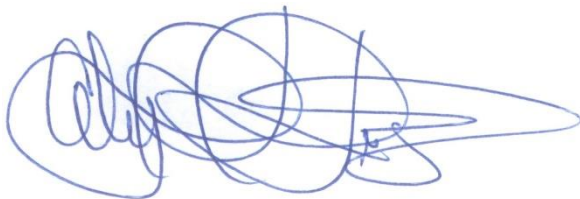
The proposed WRFB-DT facility is predicted to cause 15.25% interference to WORA-TV, facility ID: 64865; Telecinco Inc. owns both TV stations, and the interference to WORA-TV is accepted.

The interference analysis results using a cell size of 1.0 km and a profile spacing of 0.45 km with the FCC's TVStudy version 2.2.5 predicted service and interference analysis tool and the proposed antenna elevation pattern are attached hereto.

The instant proposal complies with the principal city coverage requirements of Carolina, Puerto Rico, as illustrated in the Predicted Coverage Contours exhibit.

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

The proposed WRFB-DT 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. Therefore, according to Section 73.1030 of the FCC Rules, concurrently with filling this application, the Arecibo Observatory is notified of the proposed facility.



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