

**NEW FM BOOSTER APPLICATION**  
**CARIBBEAN BROADCASTING CORPORATION**  
**NEW FM BOOSTER STATION**  
**CH 297D - 107.3 MHZ - 0.250 KW (DA)**  
**PONCE, PUERTO RICO**  
**November 2004**

**TECHNICAL STATEMENT**

This technical statement was prepared on behalf of Caribbean Broadcasting Corporation ("CBC"), licensee of WCMN-FM, Channel 297B, Arecibo, Puerto Rico. CBC requests authority to construct and operate a new FM booster facility on Channel 297D at Ponce, Puerto Rico, to fill in the service of WCMN-FM in this area. Coverage from the main facility is impacted by the terrain to the north of Ponce, which shields areas of the community from direct signals from the main site.

The proposed booster antenna system will be mounted on an existing tower. The tower has been registered with the Commission and assigned Antenna Structure Registration #1242494. Attached as Exhibit A is a map which shows the proposed booster 54 dBu contour does not extend beyond the 54 dBu contour of WCMN-FM. Attached as Exhibit B is study demonstrating that the proposed booster will not cause interference to any full service station, nor will interference be delivered to or received from any existing or applied for FM, FM translator station or LPFM on first adjacent or IF channels (full service stations) or first, second or third adjacent channels for secondary services.<sup>1</sup>

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1) Only those facilities with contours in close proximity to the proposed booster are shown on Exhibit B1. The remainder are considered on Exhibit B.

Based on the number of stations which will be co-located with the proposed booster, it was not possible to use the radio frequency radiation worksheets associated with FCC Form 349 to demonstrate compliance with the Commission's rules. Therefore, attached, as Exhibit C is a Radio Frequency Radiation study which shows this proposal is in compliance with the rules. Attached as Exhibit D is data relating to the proposed directional antenna system.