

**MODIFY BMPFTB-20050808AAZ**  
**CARIBBEAN BROADCASTING CORPORATION**  
**WCMN-FM3 BOOSTER STATION**  
**CH 297D - 107.3 MHZ - 9.0 KW**  
**PONCE, PUERTO RICO**  
**October 2006**

**TECHNICAL STATEMENT**

This technical statement was prepared on behalf of Caribbean Broadcasting Corporation (“CBC”), licensee of WCMN-FM, Channel 297B, Arecibo, Puerto Rico. CBC also holds an outstanding permit to build a new FM booster station, WCMN-FM3, at Ponce, Puerto Rico (BMPFTB-20050808AAZ). CBC herein proposes to modify the booster permit by increasing the height of the antenna system above ground and mean sea level at the authorized site and slightly reducing power.<sup>1</sup> No other changes are proposed.

The proposed WCMN-FM3 booster antenna system will be mounted on an existing tower. The tower has been registered with the Commission and assigned Antenna Structure Registration Number 1242494. Exhibit A is a map showing the proposed booster 54 dBu contour does not extend beyond the 54 dBu contour of WCMN-FM over land. There is extension of the contour, but it is completely over the Caribbean Sea. There is no land area beyond the 54 dBu contour of the licensed WCMN-FM, off the southern coast of Puerto Rico. Further, the 34 dBu contour of the proposed WCMN-FM3 booster does not encompass any land

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1) The reduction in power is to prevent the 54 dBu contour of the booster from extending beyond the 54 dBu contour of the licensed WCMN-FM main facility over land area on the southern coast of Puerto Rico.

area.<sup>2</sup> As such, this extension, which is wholly over water, does not impact any other co- or first adjacent station. If a waiver of the extension rule is needed, one is respectfully requested.<sup>3</sup>

Attached as Exhibit B is a study demonstrating that the proposed booster will not cause interference to any full service station, FM translator station, or LPFM on first adjacent or IF channels (full service stations).<sup>4</sup> Based on the number of stations that 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 that shows this proposal is in compliance with the rules. All other necessary documentation used to certify the technical portion of FCC Form 349 has been forwarded to the applicant and is available to the Commission upon request.

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- 2) There is some land area within the 34 dBu (50/10) contour of the licensed WCMN-FM main facility, however, no land exists within the 34 dBu (50/10) of the booster, which is not also within that of the main facility.
  - 3) The extension of the 54 dBu of the booster beyond the main over water was discussed with members of the Commission's staff. The staff member noted that the extension over water has been approved in past booster filings.
  - 4) Interference to the main WCMN-FM facility or any other WCMN-FM booster is not considered.