

ENGINEERING REPORT COVERING
REQUEST FOR MODIFICATION OF CONSTRUCTION PERMIT
ON BEHALF OF NASSAU BROADCASTING II, L.L.C.
FOR STATION WCHR (AM) 1040 KILOHERTZ
FLEMINGTON, NEW JERSEY

JULY 2006

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SUMMARY

The engineering exhibit of which this statement is part was prepared on behalf of Nassau Broadcasting II, L.L.C., hereinafter referred to as "Nassau", in support of a request to modify construction permit BP-20040112ABD for AM station WCHR Flemington, New Jersey. Nassau is the licensee of WCHR. WCHR is licensed to operate on 1040 kilohertz with power of 4.7 kilowatts daytime and 1.0 kilowatt nighttime employing a dual mode directional antenna system. The construction permit authorizes daytime power of 15 kilowatts, nighttime power of 2.5 kilowatts and establishes a critical hours operation with power of 7.5 kilowatts employing a tri-mode directional antenna system. This request for modification of construction permit proposes minor changes to the WCHR nighttime antenna system. Specifically, Nassau seeks to decrease nighttime power to 1.5 kilowatts and operate with a four tower array consisting of the existing towers, thereby eliminating the need to erect the new tower that was authorized in the permit. No other changes are proposed.

NIGHTTIME ALLOCATION CONSIDERATIONS

The protected RSS nighttime limits of any legally qualifying North American station will not be increased by this proposal. The presently licensed facilities result in the WCHR 0.25 mv/m 10% skywave contour overlapping the 0.5 mv/m groundwave contour of first adjacent channel Class A station WBZ Boston, Massachusetts. The proposed WCHR facilities, as depicted in Figure 2, reduce the overlap area. Figure 3 is a map that demonstrates the WCHR night proposal will not cause prohibited contour overlap to co-channel Class A station WHO Des Moines, Iowa.

TECHNICAL DATA AND EXHIBITS

Figure 1 is a polar plot of the proposed WCHR nighttime antenna pattern with tabulations of horizontal radiation values. Table 1 is a tabulation of specified nighttime vertical radiation values.

A map of the nighttime interference free service contour for the proposed WCHR nighttime operation is shown in Figure 4. Looking at Figure 4, it is obvious that the proposed WCHR nighttime antenna system will provide nighttime interference free service to 100% of the city of license, Flemington, New Jersey. The WCHR nighttime interference free contour has been determined to be 13.84 mv/m.

DECLARATION

The foregoing was prepared by or under the immediate supervision of Charles A. Hecht of Charles A. Hecht & Associates, Inc., Pittstown, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. All statements herein are true and correct of his knowledge except such statements made on information and belief, and as to those statements, he believes them to be true and correct under the penalty of perjury.

Respectfully submitted,

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