

ENGINEERING REPORT COVERING  
AMENDMENT TO APPLICATION FOR CONSTRUCTION PERMIT  
ON BEHALF OF ROSE CITY RADIO CORPORATION  
FOR STATION KMPC (AM) 1540 KILOHERTZ  
LOS ANGELES, CALIFORNIA

NOVEMBER 2006

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SUMMARY

The engineering exhibit of which this statement is part was prepared on behalf of Rose City Radio Corporation, hereinafter referred to as “Rose City”, in support of a request to amend construction permit application BP-20060322AAZ for AM station KMPC Los Angeles, California. Rose City is the licensee of KMPC. KMPC is licensed to operate on 1540 kilohertz with power of 50 kilowatts daytime and 37 kilowatts nighttime employing a dual mode directional antenna system. The application proposes to increase nighttime power to 46 kilowatts, slightly relocate tower 3 of the array and modify the directional antenna operating parameters for the day and night patterns. No other changes were sought.

The amendment proposes a power reduction from 46 to 44 kilowatts for the nighttime operation with modification of the directional antenna parameters, including a 0.5 degree change in the proposed spacing of tower 3. A very minor modification of the proposed daytime directional antenna pattern operating parameters is requested as a consequence of the 0.5 degree change in spacing of tower 3. No other changes are proposed.

### NIGHTTIME ALLOCATION CONSIDERATIONS

In a letter dated October 17 2006, the commission requested the proposed nighttime RSS contribution to station KXPA Bellevue, Washington, be reduced to 2.45 mv/m. The proposed RSS to KXPA, as amended, has been reduced to 2.43 mv/m. Based on information provided in the letter and subsequent communications with the AM Branch staff, the Commission also requested a nighttime RSS reduction to Mexican station XE, Cabo San Lucas, BS to 4.37 mv/m. The proposed RSS to XE, as amended, has been reduced to 4.32 mv/m. The protected RSS nighttime limits of any other legally qualifying North American station will not be increased by this proposal.

The only other significant nighttime protection requirements are for co-channel Class A station KXEL Waterloo, Iowa and first adjacent channel Class A station KFBK Sacramento, California. Figure 3 is a map that shows the proposed KMPC nighttime operation will continue to provide requisite protection to the KXEL 0.5 mv/m 50% skywave service area. The entire 0.5 mv/m KFBK groundwave contour area is overlapped by the licensed KMPC nighttime operation. Figure 4 shows the proposed KMPC nighttime operation will significantly reduce the overlap area.

### DAYTIME ALLOCATION CONSIDERATIONS

The proposed changes to the daytime directional antenna pattern are very minor and the pattern is virtually identical to what was filed in the application. The amended daytime pattern does not impact the allocation situation.

### TECHNICAL DATA AND EXHIBITS

Figure 1 is a polar plot of the proposed KMPC daytime antenna pattern with horizontal plane radiation tabulation and Figure 2 is a plot of the proposed KMPC nighttime pattern with horizontal plane radiation tabulation. Table 1 is a tabulation of pertinent nighttime vertical radiation.

A map of the city of license service contours for the existing and proposed KMPC nighttime operation is not provided since the proposed pattern maintains or increases radiation in all directions toward the city of license, Los Angeles, California. The KMPC nighttime interference free contour has been determined to be 7.96 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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