

DISCUSSION

This firm was retained to prepare this engineering report in support of a minor change application for the facilities of AM broadcast station WWBC, 1510 kHz, Cocoa, FL, File No. BL-19790625AJ. Currently WWBC holds a license for 1.0 kW of daytime non-directional power. This application seeks a change in site location and a reduction in power to 0.750 kW of non-directional operation. The data and exhibit numbering contained herein is responsive to Section III-A of FCC Form 301.

Broadcast Facility. The broadcast facility remains in compliance with all applicable rules contained in *C.F.R. Chapter 47, Part 73, Subpart A*. The proposed WWBC antenna system will consist of one non-directional daytime only tower. Details of the proposed antenna system are located in **Exhibit(s) 10.1-5**. The proposed tower is an existing structure bearing Antenna Structure Registration Number 1027199. No physical changes in the overall tower height are proposed. A map depicting the present 0.5 mV/m, 2.0 mV/m, and 5.0 mV/m daytime service contours for WWBC has been included as **Exhibit 10.6(a)**. A map depicting the proposed daytime service contours from the new site has been included as **Exhibit 10.6(b)**. Present and proposed 1.0 V/m daytime "Blanket" Contours have been included as **Exhibit 10.7**.

Community Coverage. Community coverage remains in compliance with the requirements of §73.24(i). Cocoa, FL will continue to receive daytime primary service as seen in **Exhibit(s) 10.6(b)**.

Main Studio Location. The main studio location remains in compliance with the requirements of §73.1125. Studios for WWBC will remain unchanged from the present facilities.

Groundwave Interference. The proposed allocation remains in compliance with the requirements of §73.37. **Exhibit(s) 14.1-2** are relevant allocation studies for the present and proposed operations. There is presently existing overlap given and received from adjacent channel station WHIM, Apopka, FL. Both given and received overlap will be reduced as seen in **Exhibit(s) 14.1-2**.

Critical Hours Interference. Exhibit 16.1 is a study of the critical hours protection for WLAC, Nashville, TN. The results of the study indicate that full protection will be provided at the daytime power level of 0.75 kW. Therefore, no reduction in power is necessary for critical hours operation.

Environmental Protection Act. The proposed allocation is in compliance with OET Bulletin No. 65. Full protection is afforded by the proposal. An RF Radiation study has been included in **Exhibit 17**.