

# Radiotechniques

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402 Tenth Ave. • PO Box 367 • Haddon Heights, NJ 08035-0367

Exhibit 13  
Engineering Report  
WATB, Decatur, GA  
Interference Reduction Agreement  
Way Broadcasting, Inc.  
January 2004

This report has been prepared in support of a minor change application for WATB, Decatur, GA to change frequency from 1420 kHz to 1430 kHz, increase power day and night, and utilize a different directional antenna daytime and nondirectional antenna night.

Way Broadcasting, Inc. licensee of WATB has entered into an interference reduction agreement with Multicultural Broadcasting, Inc., licensee of WGFS, Covington, GA to change the WATB frequency to the one presently occupied by WGFS. For the facilities proposed for WATB to operate, the WGFS facilities must be vacated. The licensee of WGFS has agreed to discontinue operations and surrender the WGFS license upon filing of a license application for these proposed facilities. Way Broadcasting, Inc. and Multicultural Broadcasting, Inc are co-owned.

This application proposes no interference or normally prohibited overlap with other stations daytime. Daytime there will be elimination of substantial mutual interference between WGFS and WATB. WATB presently causes 153.4 sq km of normally prohibited overlap to WGFS and receives 277.6 sq km of overlap from WGFS. This overlap will be eliminated.

WATB also causes 57.9 sq km of overlap to first adjacent channel station WKKP, and receives 247.23 sq km of normally prohibited overlap from it. This overlap will be eliminated by implementing the proposed facilities. These areas of interference are shown in Exhibit 13 Figure 1 and Figure 2 of this application.

WATB receives co-channel interference from the licensed facilities of cochannel stations WLET, Toccoa, GA and WRCG, Columbus GA. The area of overlap of the WLET 0.025 mV/m and the WATB 0.5 mV/m contour is 1266.4 sq. km. and with WRCG is 571.7 sq. km. These areas of overlap will be eliminated by implementing the proposed facilities. These areas of interference are shown in Exhibit 13 Figure 2 of this application.

The deletion of the present night facilities of WATB will reduce the 25% night interference free limit of WQBC by removing the 2.378 mV/m limit produced by the licensed night facilities of WATB.

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Nighttime, there will also be a small reduction of interference in the 25% limit to stations WRTH and WXNT from that presently caused by WGFS, as detailed in a note in Exhibit 15 Figure 2 of this application. The interference caused by WGFS is transferred to this proposal, and reduced.

In summary, 1838.1 sq km of cochannel normally prohibited daytime overlap will be eliminated, and 736.1 sq km of first adjacent normally prohibited daytime overlap will be eliminated, the night interference to WQBC from WATB will be eliminated, the night limit to WRTH of 1.732 mV/m will be reduced to 1.725 mV/m and the night limit to WXNT will be reduced from 1.980 mV/m to 1.898 mV/m.