

MINOR CHANGE APPLICATION
RADIO LICENSE HOLDINGS, LLC
WMAL AM RADIO STATION
630 kHz - 2.7/10.0 kW - DA2
WASHINGTON, DC
September 2015

TECHNICAL STATEMENT

This Technical Exhibit supports the application by Radio License Holdings, LLC (“RLH”), licensee of AM station WMAL, 630 kHz, Washington, DC. RLH proposes to make minor changes in the WMAL facilities by relocating WMAL to the WSPZ, 570 kHz, Bethesda, Maryland transmitter site. The WMAL power will be maintained at 10.0 kilowatts directionally during daytime hours and reduced to 2.7 kilowatts directionally during nighttime hours. It is noted that these changes are necessary as the present WMAL site has been sold, and RLH herein requests expedited processing in order to maintain continuous service to the community.

The proposed WMAL facility will utilize the existing WSPZ towers. These towers have been registered with the Commission and assigned Antenna Structure Registration Numbers 1059002 (south Tower #1), 1059005 (east Tower #2), 1059004 (north Tower #3), and 1059005 (west Tower #4). The ground system for WSPZ on 570 kHz extends out from each tower 432 feet ($1/4 \lambda$ at 570 kHz) and is more than sufficient for WMAL on 630 kHz.¹

From the proposed site, WMAL will provide a 5.0 mV/m city grade service contour to Washington, DC during daytime hours. The proposed 5.0 mV/m city grade contour will provide service to 95% of Washington, DC during nighttime operation.

1) All data regarding broadcast facilities was extracted from the CDBS database on the date of the interference tabulation. The undersigned has evaluated only the radio frequency radiation exposure portion of the environmental review. All other necessary reviews have been or will be addressed by the applicant.

With the exception of co-located WSPZ, the proposed facility is not located within 0.8 kilometer (0.5 mile) of any non-directional AM station or within 3.2 kilometers (2.0 miles) of any AM directional array. There are several FM and television facilities, either proposed or operational, located within 10.0 kilometers of the proposed WMAL operation. It is expected that there will be no detrimental interaction or impact with any station due to the relocation of WMAL.

We have tried to be as accurate as possible in the preparation of this application. All information contained in this application was extracted from the CDBS database. We assume no liability for omissions or errors in this source. Should there be any questions concerning the information contained herein, we welcome the opportunity to discuss the matter by phone at 912-638-8028 or by email at rsg@grahambrock.com.