

APPENDIX TO ENGINEERING REPORT COVERING  
REQUEST FOR CONSTRUCTION PERMIT  
TECHNICAL NARRATIVE IN SUPPORT OF CITY OF LICENSE CHANGE  
ON BEHALF OF MULTICULTURAL RADIO BROADCASTING LICENSSE, LLC  
FOR WNYG(AM) 1440 KILOHERTZ  
MEDFORD, NEW YORK

MAY 2007

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STATEMENT

This technical narrative and accompanying engineering exhibits have been prepared on behalf of station WNYG(AM), Babylon, New York (“WNYG” or the “Station”), in support of an application for a construction permit for the minor modification of the Station in accordance with Section 307(b) of the Communications Act of 1934, as amended, 47 U.S.C. Section 307(b). This minor modification application requests a modification for operation on the same frequency, 1440 kilohertz, at Medford, New York, in lieu of Babylon, New York.

As the daytime facilities specified in the instant modification are mutually exclusive with the Station’s current licensed daytime facilities<sup>1</sup>, this modification is appropriately requested on a minor modification application. *See* 47 C.F.R. Section 73.3571(j).

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<sup>1</sup> *The distance between the licensed and proposed sites is 32.9 kilometers.*

## SUMMARY OF PROPOSAL MERITS

- The community of Medford, New York (2000 Census population 21,985 persons) will be provided with its first local aural transmission service.
- The community of Babylon, New York (2000 Census population 211,792 persons) will continue to have local transmission service from licensed station WBAB(FM). Moreover, Babylon will continue to receive multiple aural transmission services.
- The 2 mV/m daytime contour gain area associated with this proposal will encompass 196,419 persons within 330 square kilometers, while the 2 mV/m daytime contour loss area will encompass 354,147 persons within 389 square kilometers, for a net loss of 157,728 additional persons and 59 square kilometers served within the WNYG 2 mV/m daytime contour.<sup>2</sup>
- The 0.5 mV/m daytime contour gain area associated with this proposal will encompass 636,161 persons within 1,033 square kilometers, while the 0.5 mV/m daytime contour loss area will encompass 1,466,299 persons within 1,507 square kilometers<sup>3</sup>, for a net loss of 830,138 additional persons and 474 square kilometers served within the WNYG 0.5 mV/m daytime contour.<sup>4</sup>

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<sup>2</sup> See Figure 1A.

<sup>3</sup> Includes land area of 499 square kilometers and population of 411,069 along the New Jersey coast attributable to a long salt water conductivity path across the Atlantic Ocean.

<sup>4</sup> See Figure 2A.

- The 2 mV/m daytime and 0.5 mV/m daytime contour loss areas continue to be well served by other aural services. There are 53 stations, excluding WNYG, that provide protected service to Babylon<sup>5</sup>.

### **Table of Figures Accompanying this Narrative**

Figure 1A	WNYG 2 mv/m Service Comparison
Figure 2A	WNYG 0.5 mv/m Service Comparison
Figure 3A	Map of Protected AM Service to Existing Community of License
Figure 4A	Map of Protected AM Service to Proposed Community of License
Figure 5A	Map of Protected FM Service to Existing Community of License
Figure 6A	Map of Protected FM Service to Proposed Community of License
Table 1A	Table of AM Stations Providing Service to Existing Community of License
Table 2A	Table of AM Stations Providing Service to Proposed Community of License
Table 3A	Table of FM Stations Providing Service to Existing Community of License
Table 4A	Table of FM Stations Providing Service to Proposed Community of License

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<sup>5</sup> See Figures 3A and 5A, Tables 1A and 3A .

### PROPOSED CHANGE

Babylon, New York, is located in Suffolk County, New York, and has a 2000 U.S. Census population of 211,792 persons. At present, besides WNYG, one additional local aural transmission services is assigned to, and would remain at, Babylon: WBAB(FM).

Medford, New York, is located in Suffolk County, New York, and has a 2000 U.S. Census population of 21,985 persons. Medford has no local FM or AM local transmission broadcast service and, therefore, this proposal would bring a first local aural transmission service to Medford.

*Figure 7* of the underlying application for construction permit is a map which depicts the city grade coverage (5 mV/m daytime) contour based on the proposed transmitter site.

### PROPOSED AREA AND POULATION DATA

There would be 196,419 persons residing within the proposed 2 mV/m daytime contour as calculated from the proposed transmitter site and based on the proposed facilities; the area within the proposed 2 mV/m daytime contour would be 330 square kilometers. There would be 636,161 persons residing within the proposed 0.5 mV/m daytime contour as calculated from the proposed transmitter site and based on the proposed facilities; the area within the proposed 0.5 mV/m daytime contour would be 1,033 square kilometers.

### PROTECTED SERVICE TO PROPOSED COMMUNITY OF LICENSE

Medford, New York, the proposed community of license, currently receives protected aural service from 35 radio stations, as plotted in *Figures 4A* and *6A* and tabulated in Tables 2A and 4A (counting those stations which provide protected service to at least 80 percent of the area of the community of license).

### METHODOLOGY

The AM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.182. The FM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.313.

The population within the service contours was calculated using a computer program that utilizes the 2000 U.S. Census database of “population centroids.” The program adds the populations of those U.S. Census designated areas whose centroid lies within each service area. Area computations exclude coverage areas over the Atlantic Ocean.

## CONCLUSION

The community of license of WNYG may be changed from Babylon, New York, to Medford, New York, operating on 1440 kilohertz, in compliance with all applicable Commission rules. The community of Medford, New York, would be provided with a first local aural transmission service, and the community of Babylon will continue to have local aural transmission service from the other licensed service (WBAB) in that community. There are 53 stations that provide protected service to Babylon<sup>6</sup>. All of the loss areas would continue to be well-served by five or more aural reception services. Therefore, Petitioner requests a permit for the modification of WNYG to specify Medford, New York, as the community of license, in lieu of Babylon, New York, and to authorize the other technical changes requested in this application.

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<sup>6</sup> See Figures 3A and 5A, Tables 1A and 3A.