

SERVICE ANALYSIS  
TELEVISION STATION WEDW-DT  
BRIDGEPORT, CONNECTICUT  
CHANNEL 49

It is proposed that WEDW-DT make an early transition to its post-transition digital facility on Channel 49. WEDW-DT holds a construction permit for post-transition operation on Channel 49 with a maximum directional ERP of 41 kW and an antenna height of 222 m HAAT (See FCC File No. BPEDT-20080207AAV).\*

A service analysis was conducted for the proposed operation of WEDW-DT on Channel 49 pursuant to the parameters authorized in BPEDT-20080207AAV. This study was conducted pursuant to procedures of FCC Office of Engineering and Technology Bulletin No. 69 (OET-69) using 2000 Census population data. The study employed the 'pre-transition' engineering database. The results of this study are summarized as follows.

- For analog WEDW(TV) on Channel 49 (1950 kW-DA), the net OET-69 service population is 3,264,138.
- For digital WEDW-DT on Channel 52 (50 kW-DA), the net OET-69 service population is 3,219,601.
- For digital WEDW-DT on Channel 49 (41 kW-DA), the net OET-69 service population is 3,731,403.

Based on these results, the proposed WEDW-DT digital operation on Channel 49 will provide service to a significantly larger population than both the licensed analog and licensed digital facilities of WEDW.

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\* There is an application for modification of construction permit pending for WEDW-DT that would increase its maximum ERP from 41 kW to 91 kW. See FCC File No. BMPEDT-20090203ABD.

A map showing the predicted contours of WEDW(TV), WEDW-DT (Channel 52) and WEDW-DT (Channel 49) is attached hereto. It is evident from this map that the predicted WEDW-DT (Channel 49) predicted 41 dBu, f(50,90) noise-limited contour will encompass the analog Grade B contour of WEDW(TV).

It is also shown on the map that the proposed WEDW-DT (Channel 49) predicted 41 dBu, f(50,90) noise-limited will nearly encompass that of the WEDW-DT (Channel 52) facility, but there will be some limited loss area in the north and northwest directions. This loss area is small and it is the result of slightly different pattern shapes for the WEDW-DT (Channel 52) side-mounted antenna and the WEDW-DT (Channel 49) top-mounted antenna. It is noted that the loss area of WEDW-DT (Channel 52) that falls over the state of Connecticut is completely encompassed by the noise-limited service contour of WEDH-DT, which is operating its full-power facility on Channel 45 with an application for license pending.<sup>†</sup>



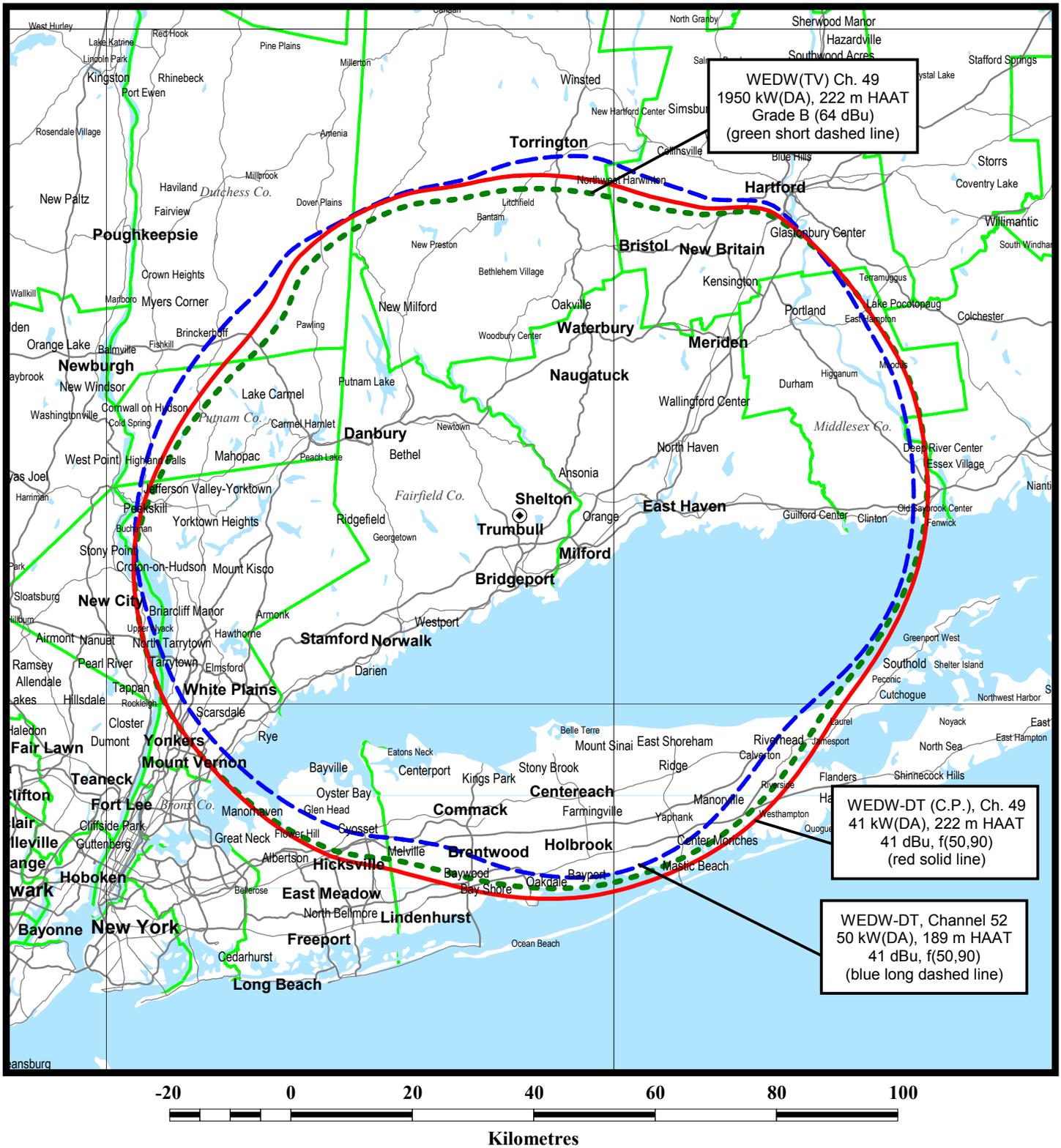
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<sup>†</sup> The pending application for the maximized facility of WEDW-DT (Channel 49), FCC File No. BNPEDT-20090203ABD, will result in a service contour that encompasses that of the WEDW-DT (Channel 52) facility.



## PREDICTED COVERAGE CONTOURS

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