Long Form Application for Channel 273 Translator at Danbury, CT

File No. BNPFT-20030317LDW

Technical Statement

Overview

This long form application is submitted during the Auction 83 singleton filing window in compliance with DA 13-1675. Minor changes are proposed from the Tech Box amendment submitted on April 18, 2013. Please see attached Preclusion Study as amended. The proposed directional antenna is a horizontally polarized four-element Yagi designed by the AO 8.50 Antenna Optimizer design program. The proposed 60 dBu service contour overlaps that proposed in the original application, as shown in Figure 1.

LPFM Preclusion Study

The proposed translator complies with the Preclusion Showing provisions of FCC Public Notice DA 13-427 dated March 13, 2013. This proposal does not create any new mutually exclusive shortspacing.

74.1204 Study

All facilities not meeting the spacing requirements of Section 73.207 with respect to the proposed Channel 273 facility considered as a Class A were studied. These include:

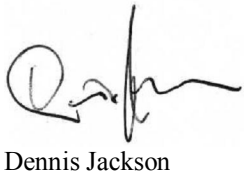
Call Sign	Location	Channel
WFAN-FM	New York, NY	269B
WBAB	Babylon, NY	272A
BNPED20100226AFU	Rhinebeck, NY	273A
BNPED20100223ABY	Rhinebeck, NY	273A
BNPED20100226AAJ	Rhinebeck, NY	273A
BNPED20100226AIM	Rhinebeck, NY	273A
WBAZ	Bridgehampton, NY	273A
WWFS	New York, NY	274B
WDRC-FM	Hartford, CT	275B

Figures 2 and 2A (closeup with WDRC-FM) illustrate the absence of prohibited overlap between the proposed translator interfering contour and the pertinent service contours of each of these facilities.

Environmental Considerations

The proposed antenna will be mounted on an existing tower with no new construction. RFR compliance was determined through the use of the RF worksheets in Appendix A, although ERP is below 100 Watts.

Respectfully submitted,



Dennis Jackson
August 28, 2013

Figure 1

Overlap of Original and Proposed 60 dBu Service Contours

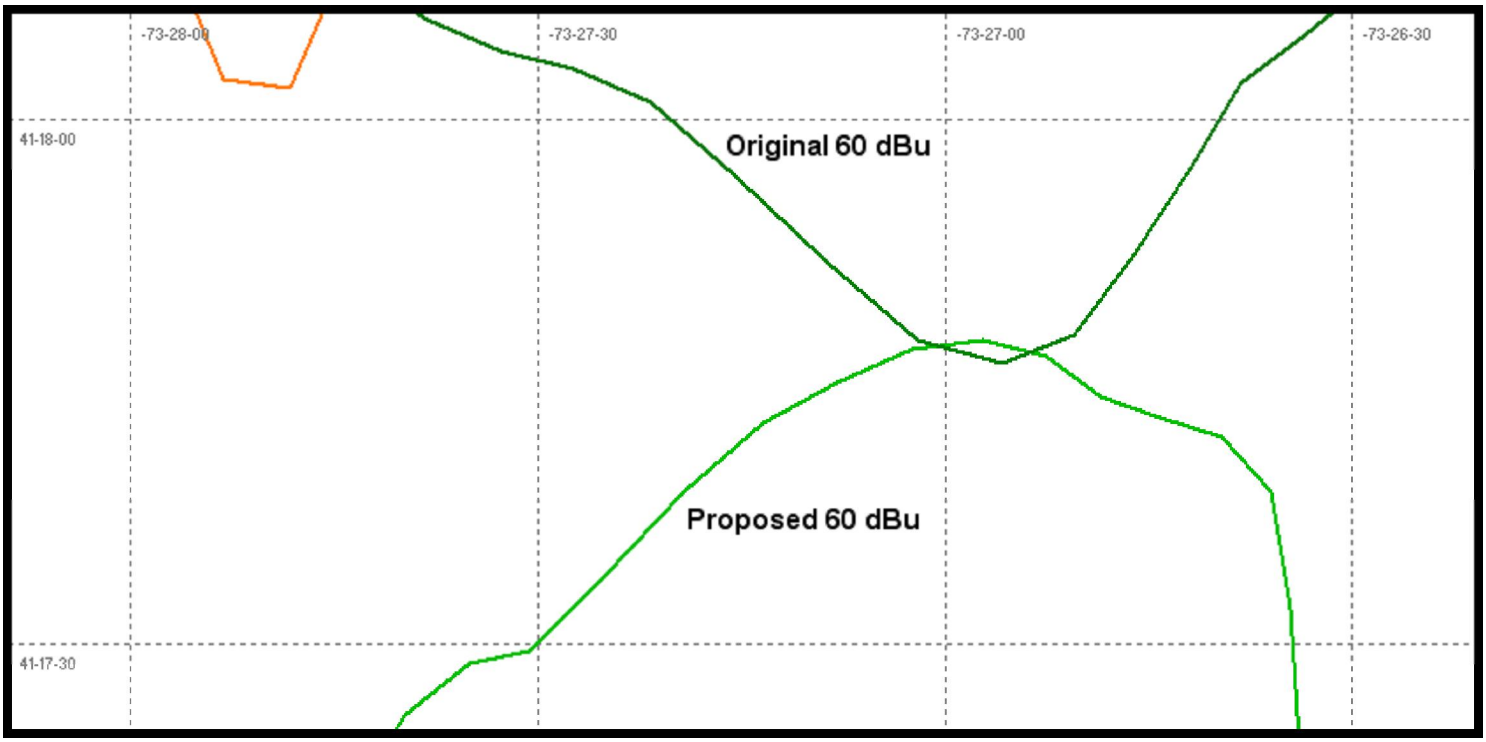


Figure 2

Section 74.1204 Study

Proposed interfering contours do not overlap pertinent service contours of any co-channel or 1st, 2nd or 3rd adjacent station.

Key: Same colors may not overlap

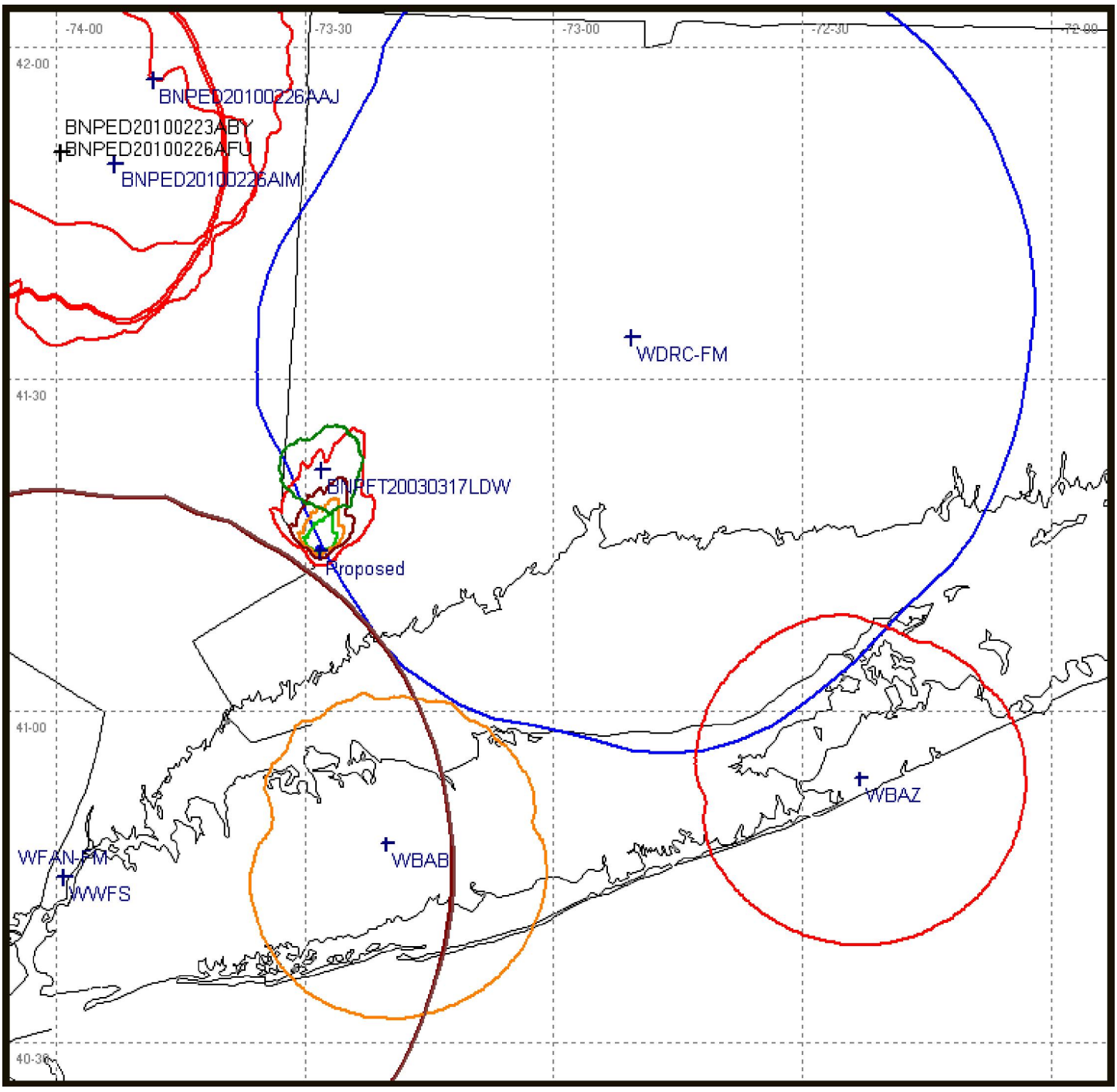


Figure 2A – 74.1204 Study – Closeup Detail

Proposed 94 dBu Interfering Contour vs WDRC-FM 54 dBu Service Contour