

Proposed Minor Amendment to Construction Permit

W276BV Greenwich, Connecticut FM Translator on Channel 276.

Section 74.1204 Contour Studies to Pertinent Co-Channel and Adjacent Channel Facilities.

All facilities not meeting the spacing requirements of Section 73.207 were studied. These are:

<u>Call Sign</u>	<u>Location</u>	<u>Channel No.</u>
WNEW	New York, NY	274B
WKTU	Lake Success, NY	278B
WBZO	Bayshore, NY	276A
WGNV-FM	Newburgh, NY	276A
WDRC-FM	Hartford, CT	275B
W276AV	Stamford, CT	276D
W276AQ	Ft. Lee, NJ	276D

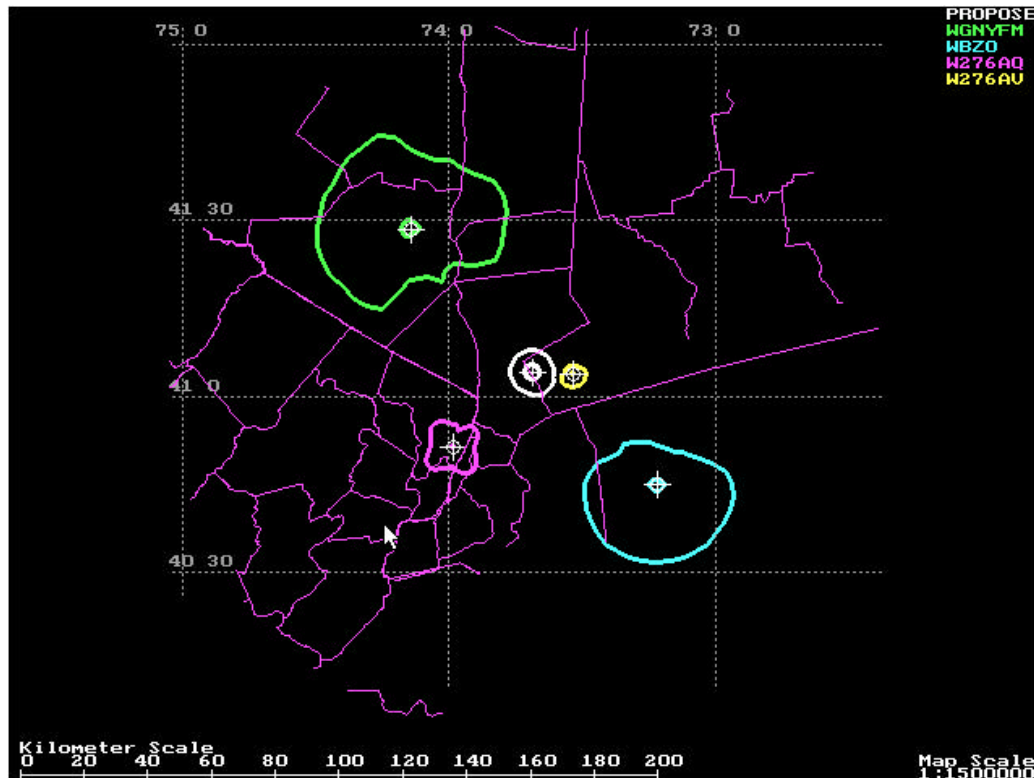
This amendment specifies a new antenna site, increases ERP from 1 Watt to 2 Watts, and incorporates a one-bay non-directional Shively 6812 antenna. Figures 1A and 1B below illustrate the absence of prohibited overlap between the proposed amended translator interfering contour and the pertinent service contours.

As is the case for the site authorized by the existing W276BV Construction Permit, the proposed amended translator site is situated inside the 54 dBu service contours of WNEW and WKTU, which operate with identical Class B licensed facilities at a site that is 43.017 km. from the proposed translator site. As shown Figure 2A below, the signal level at the proposed translator site from each of these stations is 64.5 dBu, as determined using the Commission's Propagation Curve Calculator. Hence, actual interference from the proposed translator would only occur where the ratio of undesired to desired signal exceeds the allowed 40 dB, ie. where the proposed translator F(50,10) interfering signal exceeds 104.5 dBu.

The proposed facility will operate with an ERP of 0.002 kW. Conservatively employing the 104 dBu F(50,10) interfering contour from the proposed amended facility, the Commission's free space equation indicates that this contour will extend 0.063 km. (63 meters) from the antenna. As shown in the attached Figure 2B from a USGS topographical map of the area, there are no residences within this contour. The applicant therefore believes that the instant application meets the requirements of Section 74.1204(d) with respect to "other factors" insuring no actual interference to WNEW or WKTU.

Nevertheless, as required by the Commission's Rules, in the event of any complaints that the proposed translator interferes with reception of either WNEW or WKTU, the applicant will take the required steps to eliminate the interference, including, if necessary, reducing power or cessation of translator operation.

Figure 1A - Study of proposed W276BV amendment 40 dBu F(50,10) interfering contour vs WGNV-FM, WBZO, W276AQ, and W276AV 60 dBu F(50,50) service contours.



Closeup Study of proposed W276BV amendment 40 dBu F(50,10) interfering contour and W276AV 60 dBu F(50,50) service contour.

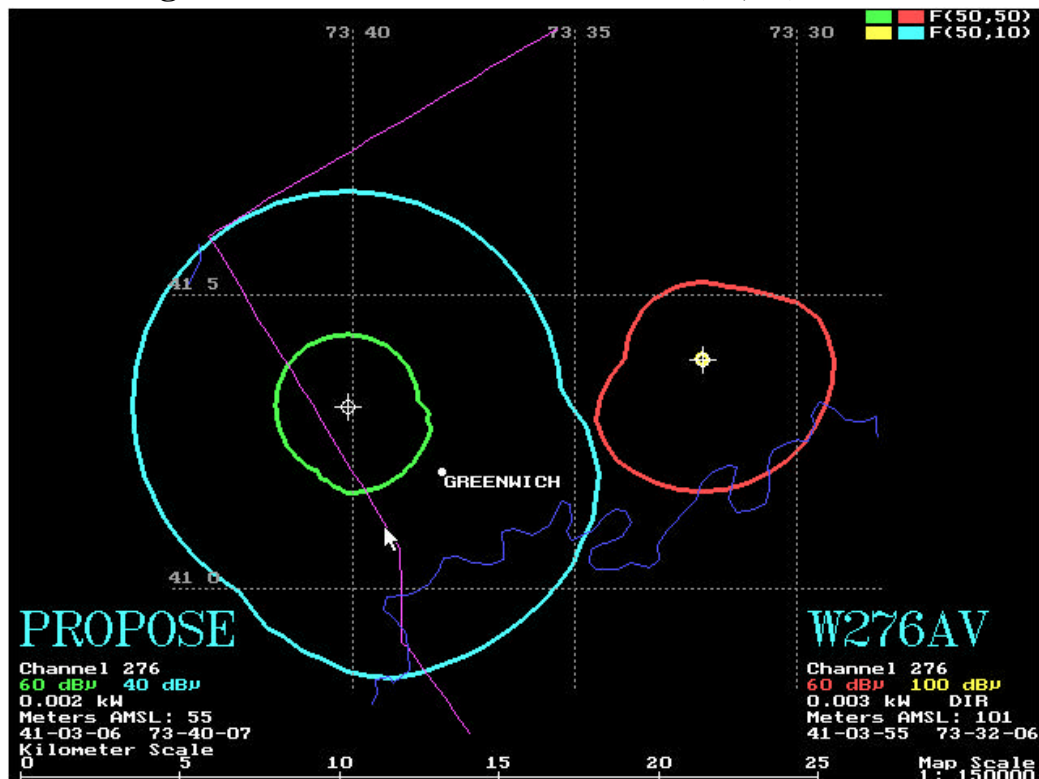


Figure 1B - Adjacent channel study of W276BV amendment and WDRC-FM.

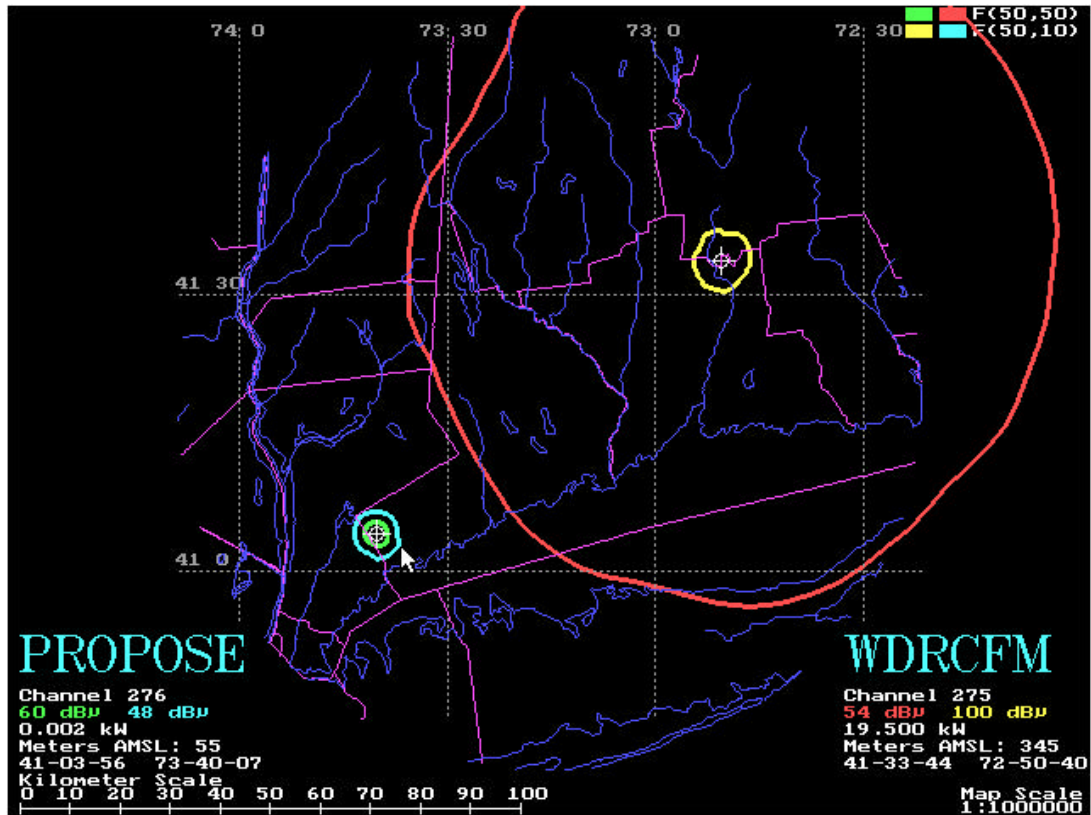


Figure 2A - WNEW and WKTU signal strength at W276BV amended site is 64.5 dBu. (WNEW and WKTU employ identical facilities.)

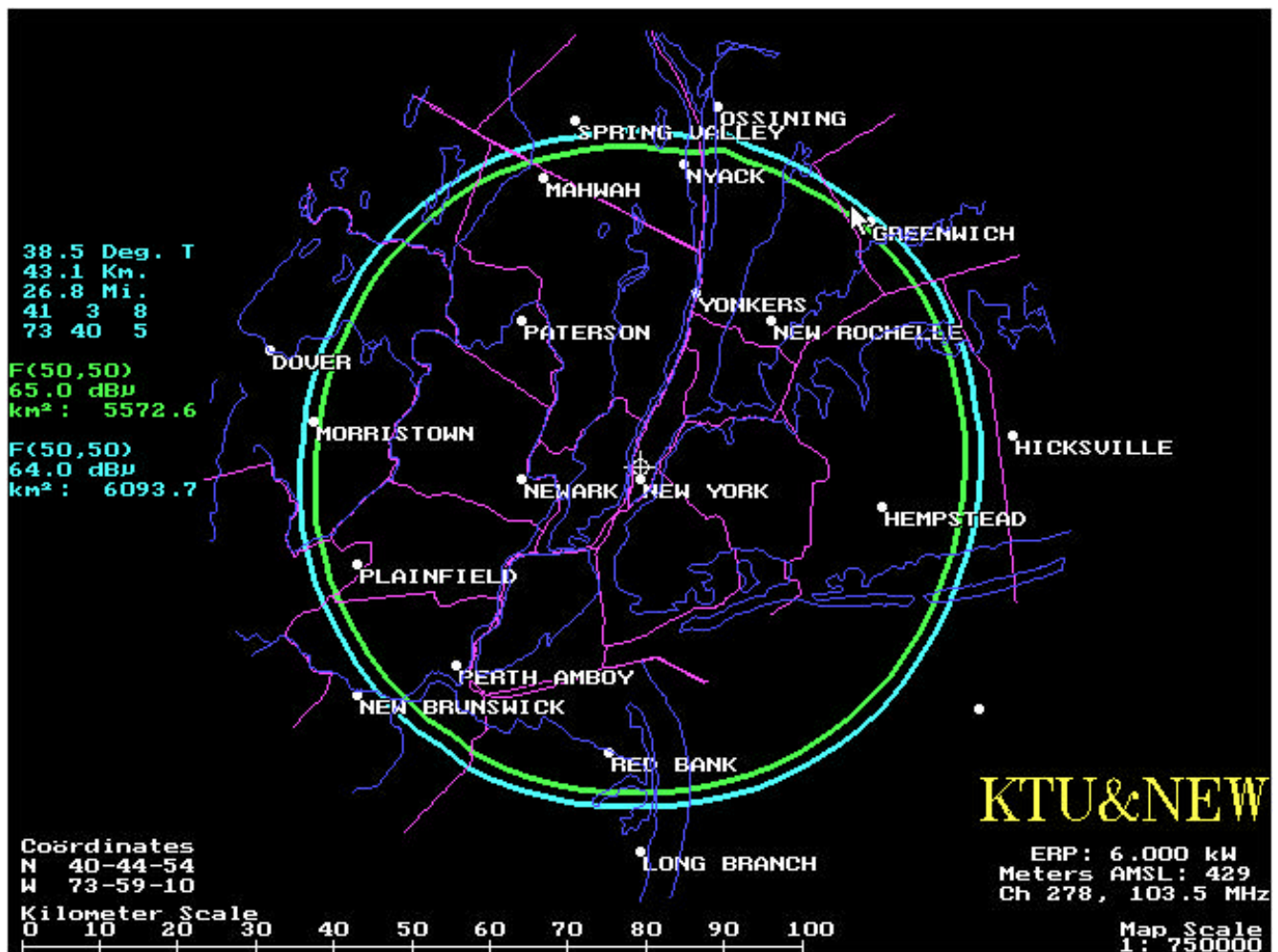


Figure 2B - Amended W276BV 104 dBu F(50,10) Interfering Contour.

Distance to contour is 63 meters. Contour does not reach any residences.

