

Engineering Discussion  
Metro TV, Inc.  
March, 2006

Metro TV, Inc. ("Metro") is the licensee of WMBO-LP, Syracuse/Nedrow, NY and operates on ch. 60. By virtue of its licensed channel being in the set of channels 60 – 69 that are imminently designated to be vacated, Metro is eligible for filing a displacement application to a channel within the core channels 2 – 51. Metro has determined that channel 6(+) can be used and is proposing a site approximately 7 km. NNW of its present site.

There are four specific stations that require study to show that the proposed operation will not cause any prohibitive interference.

WTVH, Syracuse, NY, operates on channel 5. Figure 1 shows the results of a Longley-Rice study utilizing Probe 3 from V-Soft Communications. The study shows that no interference (0.00%) would be caused by the proposed operation for WMBO-LP.

Figure 2 is a Longley-Rice study of co-channel station, WRGB, operating on ch. 6(z), at Schenectady, NY. The study shows that the proposed operation of WMBO-LP would cause 0.009% independently and 0.00% of unique interference.

Figure 3 is a study of the proposal with respect to CJOH, ch. 6(-), at Deseronto, ON. Agreements with Canada do not provide for showing a lack of interference based on Longley-Rice for this type of proposal. In this regard, Figure 3 shows that the proposed interfering contour (19 dBu, 50,10) would not touch any part of the landmass of Canada.

Finally, Figure 4 shows Longley-Rice protection to Class A station, WGCE-CA, ch. 6(+), at Greece, NY in which case no interference (0.00%) is predicted to occur.

In summary, the proposed displacement application would allow WMBO-LP to continue operating and would further achieve the Commission's goal of vacating television usage of channels 60 – 69 as quickly as possible.