

ENGINEERING DISCUSSION

Metro TV, Inc.
November, 2003

Metro TV, Inc. ("Metro") is the licensee of WNDR-LP, a Class A station operating on channel 18(Z) at Syracuse, New York. The station is sandwiched between WIXT-DT, Syracuse, NY on channel 17 and WSYT-DT, Syracuse, NY on channel 19.

As a result of the first-adjacent channel interference caused by both full-power stations, WNDR-LP is eligible for displacement status. Channel 49(+) has been determined to be a usable channel and the instant application is hereby submitted in support of the proposed channel change. A site change approximately 3 km. west is also proposed. The site is the roof of a 51 m. existing apartment building. The proposed antenna will extend 15 feet (4.6 m.) above the roof and therefore does not require FAA coordination.

Figure 1 is a co-channel allocation map depicting protection to pertinent stations using standard FCC contours. Figure 2 is a Longley-Rice study showing a lack of interference to WNEP-DT, channel 49, Scranton, PA and Figure 3 is a Longley-Rice study showing a lack of interference to WSPX-TV, channel 56, Syracuse, NY. Both of these Longley-Rice studies were performed using the program Probe 2 (ver. 2.105) from V-Soft Communications. The studies were performed using a 1 km. cell size for finer resolution.

In summary, the proposed change will eliminate the interference presently being caused to WNDR-LP and also allow for any future improvements that may be planned by the two full-power stations.