

**Four Rivers Community Broadcasting
Middletown, Pennsylvania
File No. BPED-19970806MC**

The attached Figures Six and Seven demonstrate compliance with 73.525 and depicts the FM 62.3 dBu contour and the Grade B contours of TV Channel 6 stations WJAC, Johnstown and WPVI, Philadelphia.

Figure 1 of 73.599 prescribes a U/D ratio of 9.3 dB for a channel 204 proposal whose signal approaches the Grade B (47 dBu) contour of a TV channel 6 television station. Without mixed polarity the FM 56.3 dBu contour must not overlap the TV Grade B contour in order for there to be no interference to the television station.

Because mixed polarization is proposed an adjustment of 6 dB was taken for TV antenna receive directivity as permitted by 73.525(e)(iii). As a result the contour of interest becomes the FM 62.3 dBu contour. The formula for mixed polarity $H+V/40 = P$ was used for each 10 degrees of azimuth change due to the proposed FM DA pattern. The resultant FM 62.3 dBu area is drawn on a map that shows county lines with labels showing the name of each county.

Pursuant to 73.525, this proposal will not result in interference to either station because the FM 62.3 dBu contour does not overlap the Grade B contours of either TV channel 6 television station.