

WMKY EXHIBIT 15 -
CONTOUR OVERLAP REQUIREMENTS
August 2003

A search of the FM data base shows that detailed analysis is needed for five stations: (1) first-adjacent WJSO in Pikeville, Kentucky on Channel 211, (2) co-channel WCDR-FM in Cedarville, Ohio, (3) first-adjacent WTHL in Somerset, Kentucky on Channel 213, (4) second-adjacent WPTJ/CP in Paris, Kentucky on Channel 214, and (5) second-adjacent WFGH in Fort Gay, West Virginia on Channel 214.

For each station the terrain elevation was calculated using the NGDC 30-second point elevation data base in one degree azimuthal steps. The effective antenna height in the direction of the radial was calculated by taking the radiation center above mean sea level (RCAMSL) and subtracting the 3-16 km average terrain elevation for that radial. The distance to the appropriate contour was calculated using the FCC computer code CURVES. Directional antenna patterns were taken from the indicated FCC files. All map projections were the Kentucky State Plane, North, converted to metric units.

Figure 1 shows that the proposed WMKY F(50,50) 60 dBu contour does not overlap the WJSO F(50,10) 54 dBu contour. Figure 1 also shows that the proposed WMKY F(50,10) 54 dBu contour is very close to the WJSO F(50,50) 60 dBu contour. Figure 1A is an expanded view showing that the proposed WMKY F(50,10) 54 dBu contour does not overlap the WJSO F(50,50) 60 dBu contour.

Figure 2 shows that the proposed WMKY F(50,50) 60 dBu contour does not overlap the WCDR-FM F(50,10) 40 dBu contour. Figure 2 also shows that the proposed WMKY F(50,10) 40 dBu contour is close to the WCDR-FM F(50,50) 60 dBu contour. Figure 2A is an expanded view showing that the proposed WMKY F(50,10) 40 dBu contour does not overlap the WCDR-FM F(50,50) 60 dBu contour.

Figure 3 shows that the proposed WMKY F(50,50) 60 dBu contour does not overlap the WTHL F(50,10) 54 dBu contour. Figure 3 also shows that the proposed WMKY F(50,10) 54 dBu contour does not overlap the WTHL F(50,50) 60 dBu contour.

Figure 4 shows that the proposed WMKY F(50,50) 60 dBu contour does not overlap the WPTJ/CP F(50,10) 100 dBu contour. Figure 4 also shows that the proposed WMKY F(50,10) 100 dBu contour does not overlap the WPTJ/CP F(50,50) 60 dBu contour.

Figure 5 shows that the proposed WMKY F(50,50) 60 dBu contour does not overlap the WFGH F(50,10) 100 dBu contour. Figure 5 also shows that the proposed WMKY F(50,10) 100 dBu contour does not overlap the WFGH F(50,50) 60 dBu contour.

FIGURE 1 - PROPOSED WMKY VERSUS WJSO

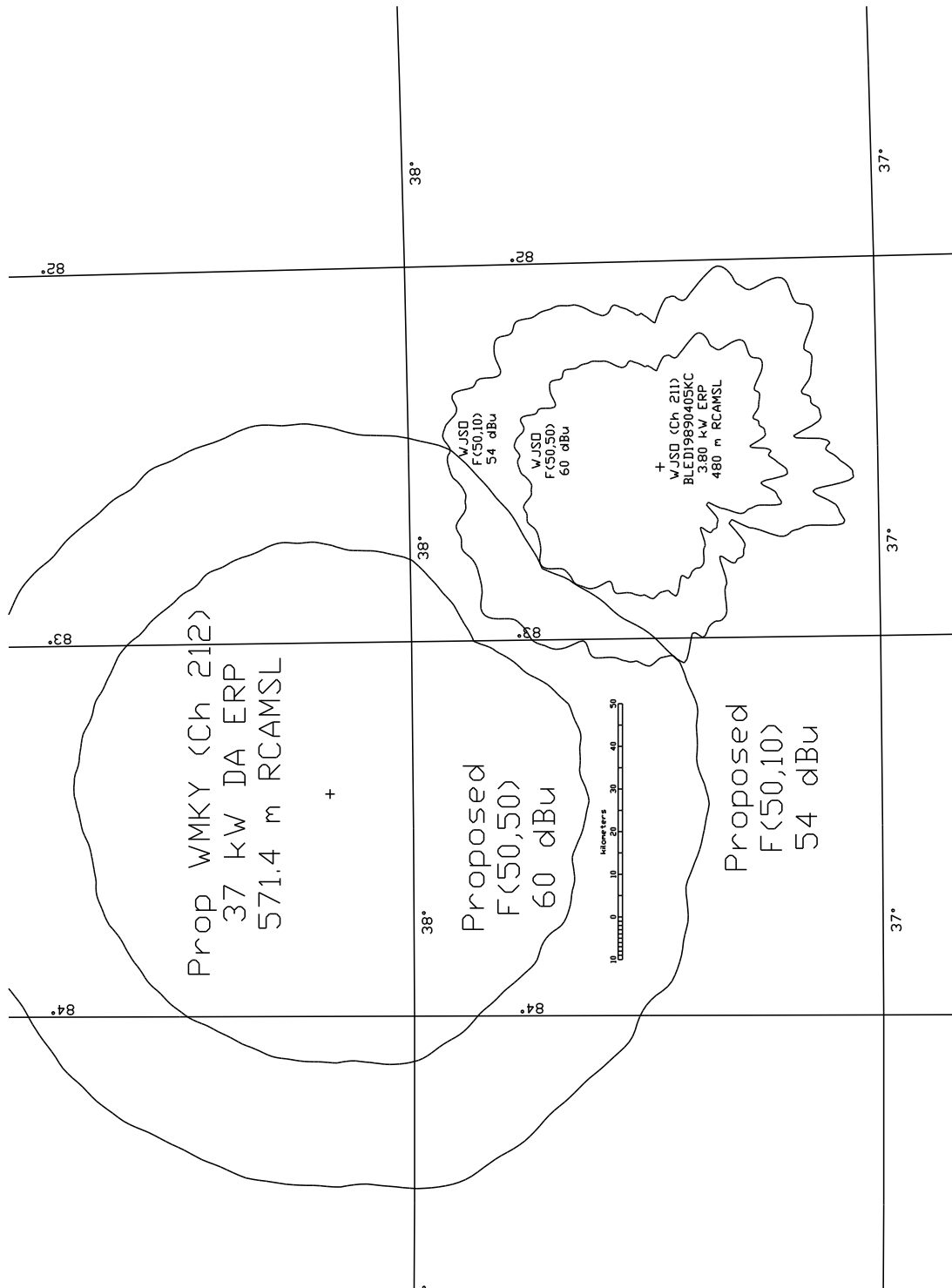


FIGURE 1A - EXPANDED VIEW OF WJSO

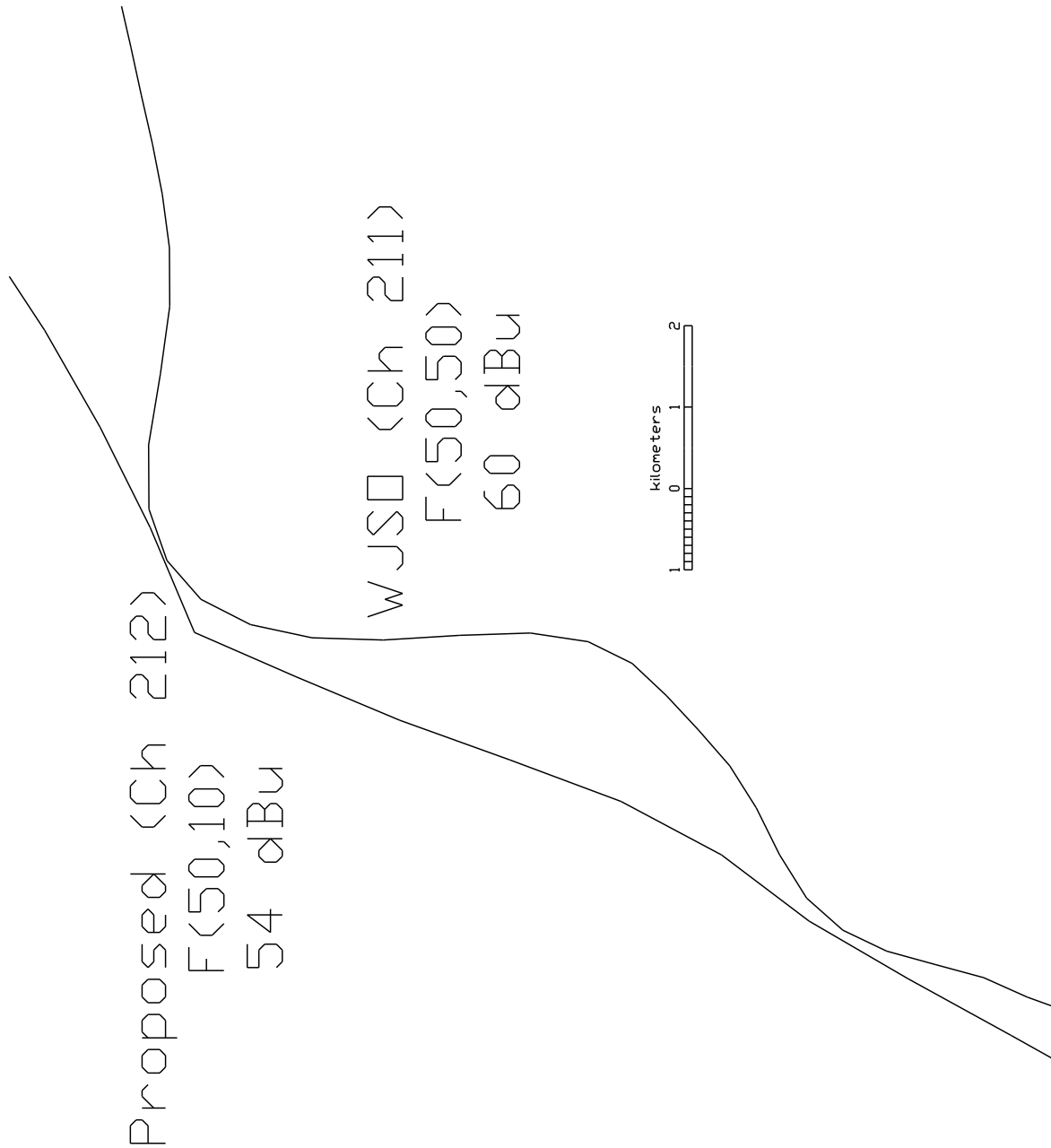


FIGURE 2 - PROPOSED WMKY VERSUS WCDR-FM

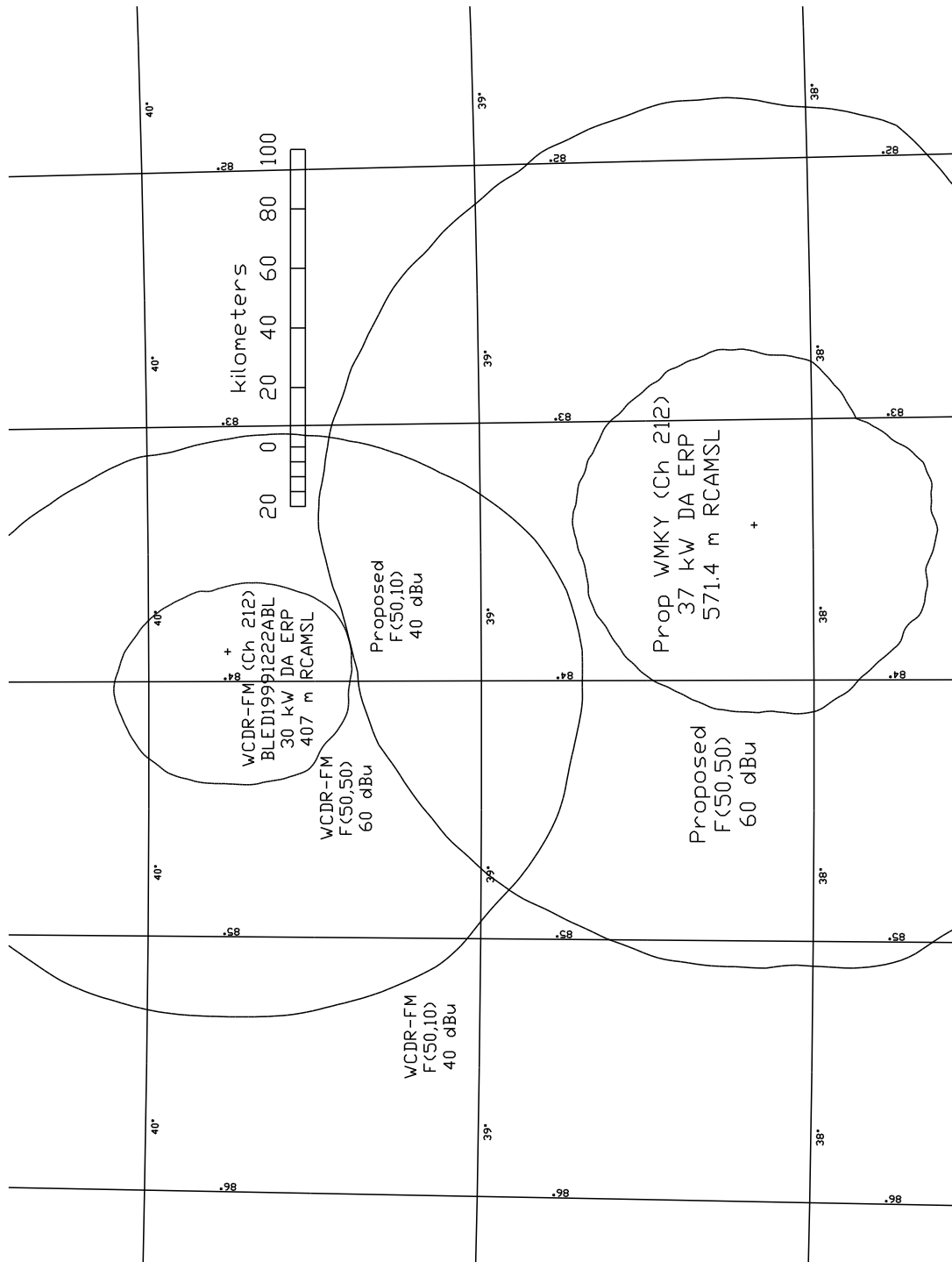


FIGURE 2A - EXPANDED VIEW OF WCDR-FM

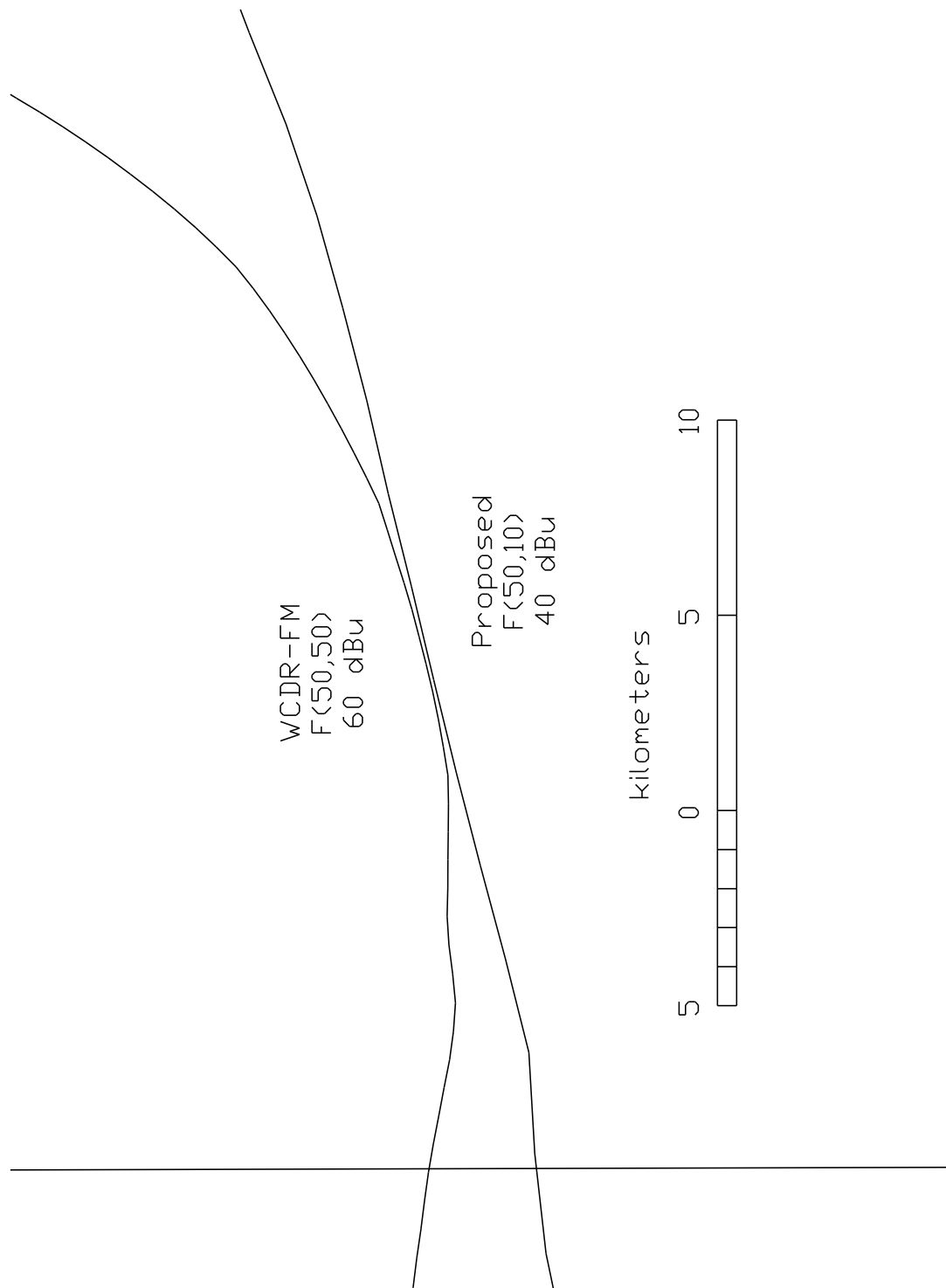


FIGURE 3 - PROPOSED WMKY VERSUS WTHL

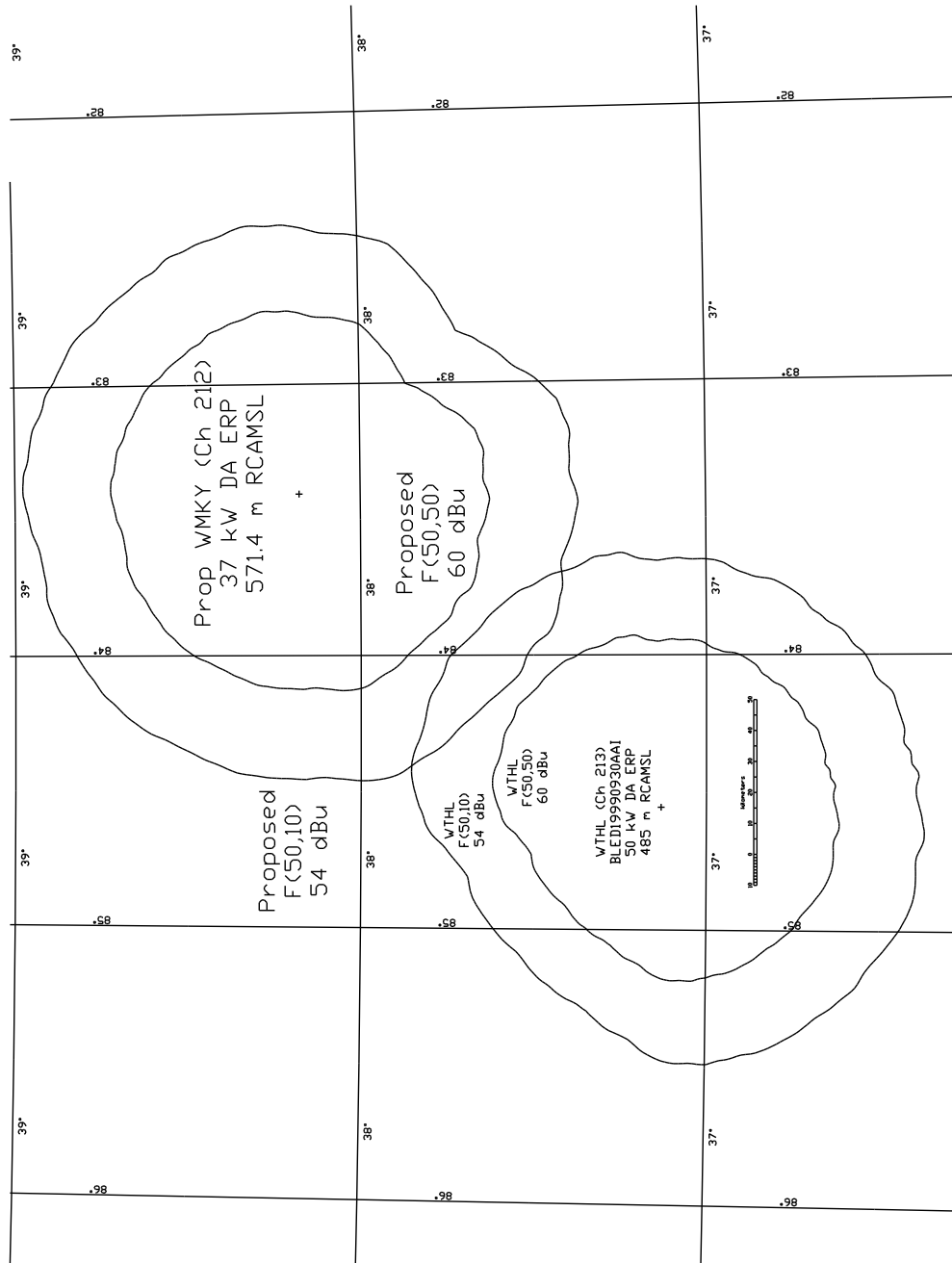


FIGURE 4 - PROPOSED WMKY VERSUS WPTJ/CP

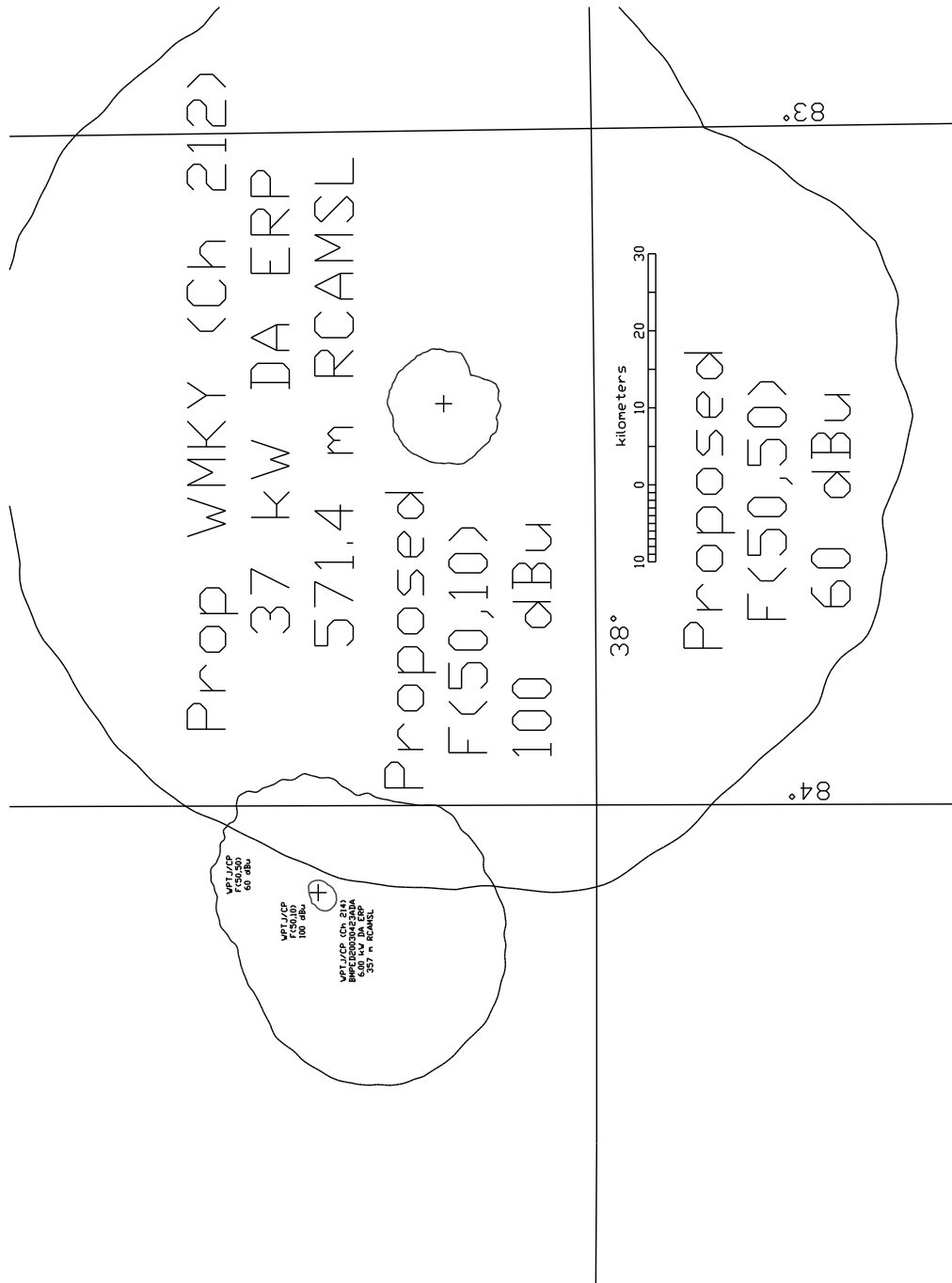


FIGURE 5 - PROPOSED WMKY VERSUS WFGH

