

WQRP EXHIBIT 15 -  
CONTOUR OVERLAP REQUIREMENTS  
June 2003

A search of the FM data base shows that detailed analysis is needed for eleven stations: (1) third-adjacent WCSU-FM in Wilberforce, Ohio on Channel 205, (2) WCSU-FM/CP (3) second-adjacent WUSO in Springfield, Ohio on Channel 206, (4) WUSO/CP, (5) first-adjacent WVXR in Richmond, Indiana on Channel 207, (6) first-adjacent WMKV in Reading, Ohio on Channel 207, (7) co-channel WHSS in Hamilton, Ohio on Channel 208, (8) co-channel WVXW in West Union, Ohio on channel 208, (9) first-adjacent WNKU in Highland Heights, Kentucky on Channel 209, (10) first-adjacent WOSU-FM in Columbus, Ohio on Channel 209, and (11) second-adjacent WDPG in Greenville, Ohio on Channel 210.

Co-channel WDPS in Dayton shares Channel 208 with WQRP so no analysis is needed for WDPS. The contours for the Auxiliary License for WOSU-FM are inside the contours for the Main License for WOSU-FM, so no analysis is needed for the Auxiliary License.

Table 1 gives the parameters for the remaining eleven stations and the proposed WQRP. These parameters are used for the figures which follow.

Figure 1 shows that the proposed WQRP F(50,10) 100 dBu contour does not overlap the WCSU-FM F(50,50) 60 dBu contour. Figure 1 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WCSU-FM F(50,10) 100 dBu contour. Figure 1A is an expanded view for the WCSU-FM 100 dBu contour.

Figure 2 shows that the proposed WQRP F(50,10) 100 dBu contour does not overlap the WCSU-FM/CP F(50,50) 60 dBu contour. Figure 2 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WCSU-FM/CP F(50,10) 100 dBu contour.

Figure 3 shows that the proposed WQRP F(50,10) 100 dBu contour does not overlap the WUSO F(50,50) 60 dBu contour. Figure 3 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WUSO F(50,10) 100 dBu contour.

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

Figure 5 shows that the proposed WQRP F(50,10) 54 dBu contour does not overlap the WVXR F(50,50) 60 dBu contour. Figure 5 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WVXR F(50,10) 54 dBu contour.

Figure 6 shows that the proposed WQRP F(50,10) 54 dBu contour does not overlap the WMKV F(50,50) 60 dBu contour. Figure 6 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WMKV F(50,10) 54 dBu contour.

Figure 7 shows that the proposed WQRP F(50,10) 40 dBu contour does not overlap the WHSS F(50,50) 60 dBu contour. Figure 7A is an expanded view of the WHSS 60 dBu contour. Figure 7 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WHSS F(50,10) 40 dBu contour.

Figure 8 shows that the proposed WQRP F(50,10) 40 dBu contour does not overlap the WVXW F(50,50) 60 dBu contour. Figure 8 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WVXW F(50,10) 40 dBu contour.

Figure 9 shows that the proposed WQRP F(50,10) 54 dBu contour does not overlap the WNKU F(50,50) 60 dBu contour. Figure 9 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WNKU F(50,10) 54 dBu contour.

Figure 10 shows that the proposed WQRP F(50,10) 54 dBu contour does not overlap the WOSU-FM F(50,50) 60 dBu contour. Figure 10 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WOSU-FM F(50,10) 54 dBu contour. Figure 10A is an expanded view of the proposed WQRP 60 dBu contour.

Figure 11 shows that the proposed WQRP F(50,10) 100 dBu contour does not overlap the WDPG F(50,50) 60 dBu contour. Figure 11 also shows that the proposed WQRP F(50,50) 60 dBu contour does not overlap the WDPG F(50,10) 100 dBu contour.

TABLE 1 - STATION PARAMETERS

STATION	CHANNEL	CRAMSL (m)	ERP (kW)	FILE NUMBER
Proposed WQRP	208	359.5	10.0	—
WCSU-FM	205	350	1.00	BLED-19880502KD
WCSU-FM/CP	205	387	0.30	BPED-20000727AGI
WUSO	206	341	0.018	BLED-791024AC
WUSO/CP	206	338	0.10	BPED-19980602MA
WVXR	207	397	4.20	BLED-19890117KB
WMKV	207	288	0.41	BLED-19950505KA
WHSS	208	314	0.19	BLED-780829AG
WVXW	208	379	3.20	BLED-19930628KD
WNKU	209	302	12.0	BLED-19850422KK
WOSU-FM	209	523	13.5	BLED-19931020KC
WDPG	210	436	50	BLED-19930920KA

FIGURE 1 - PROPOSED WQRP VERSUS WCSU-FM

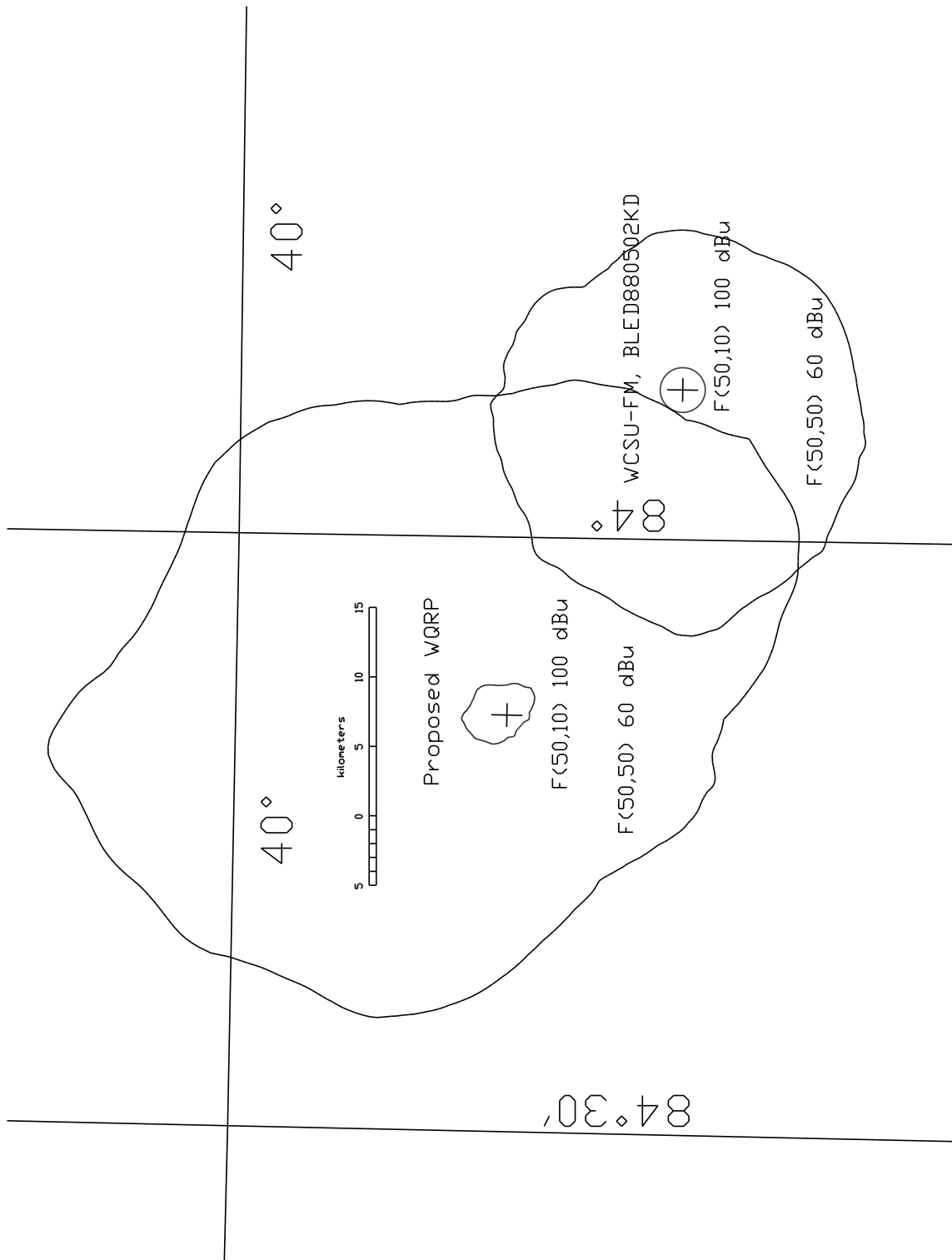


FIGURE 1A - EXPANDED VIEW OF WCSU-FM

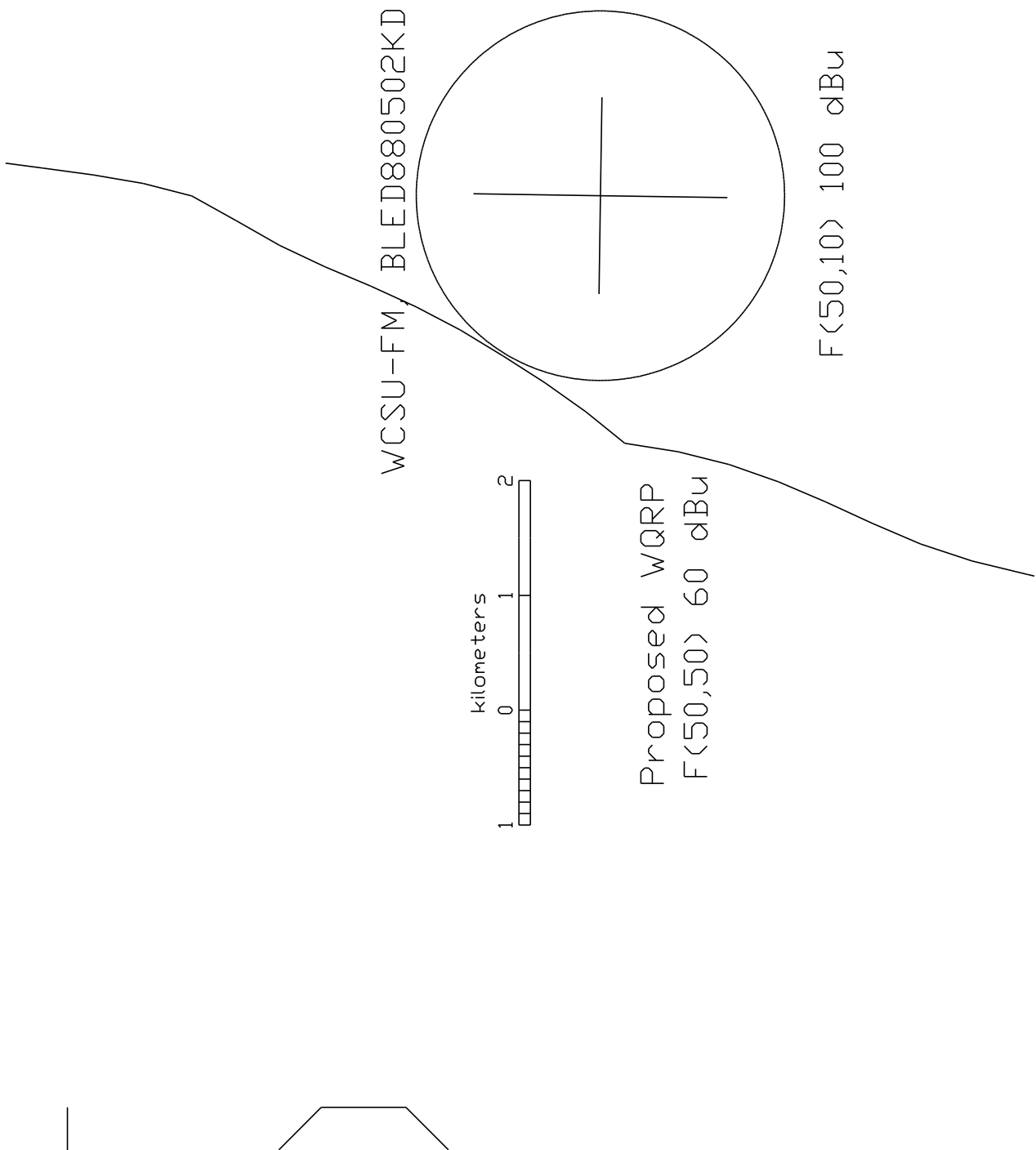


FIGURE 2 - PROPOSED WQRP VERSUS WCSU-FM/CP

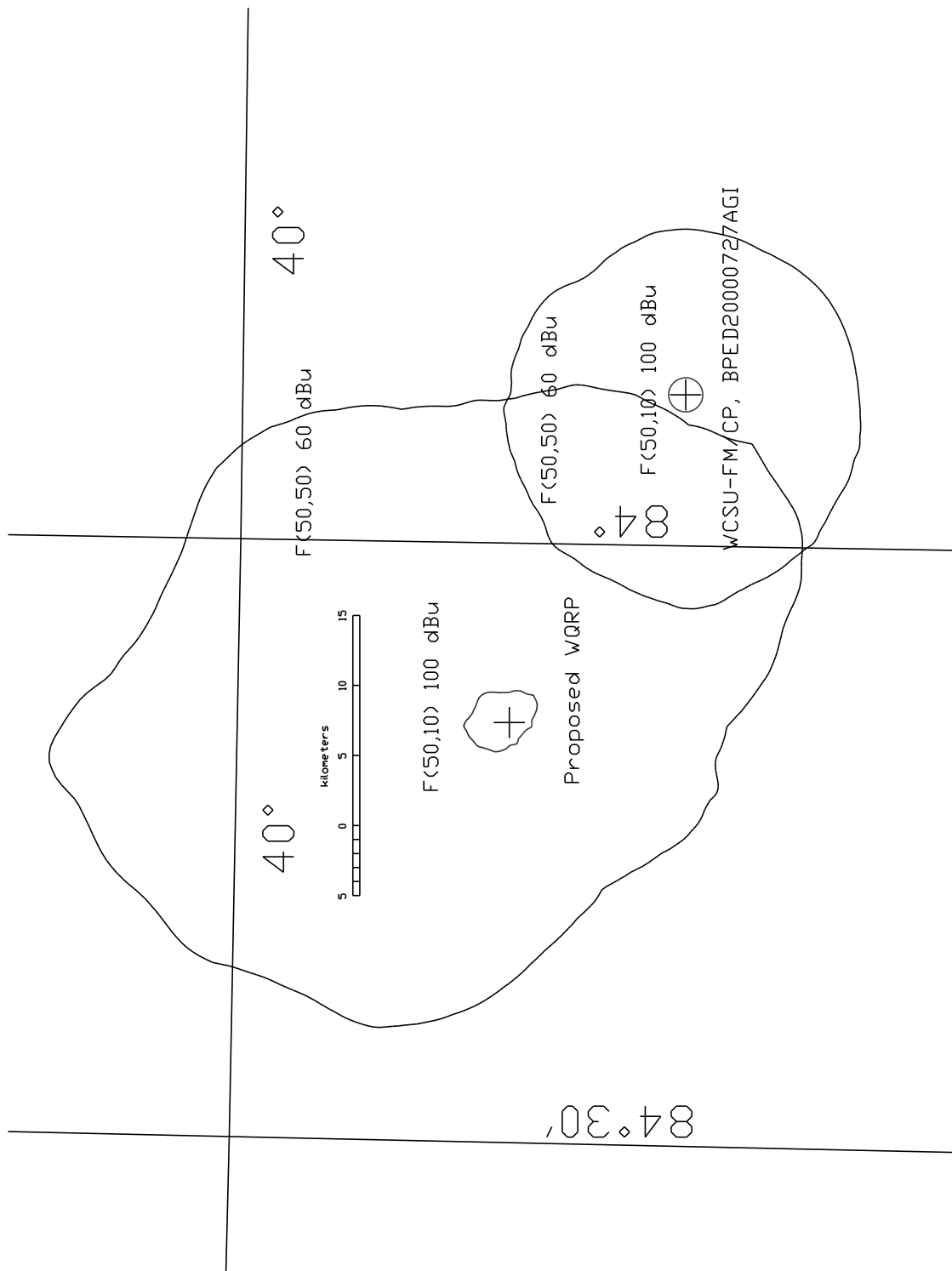


FIGURE 3 - PROPOSED WQRP VERSUS WUSO

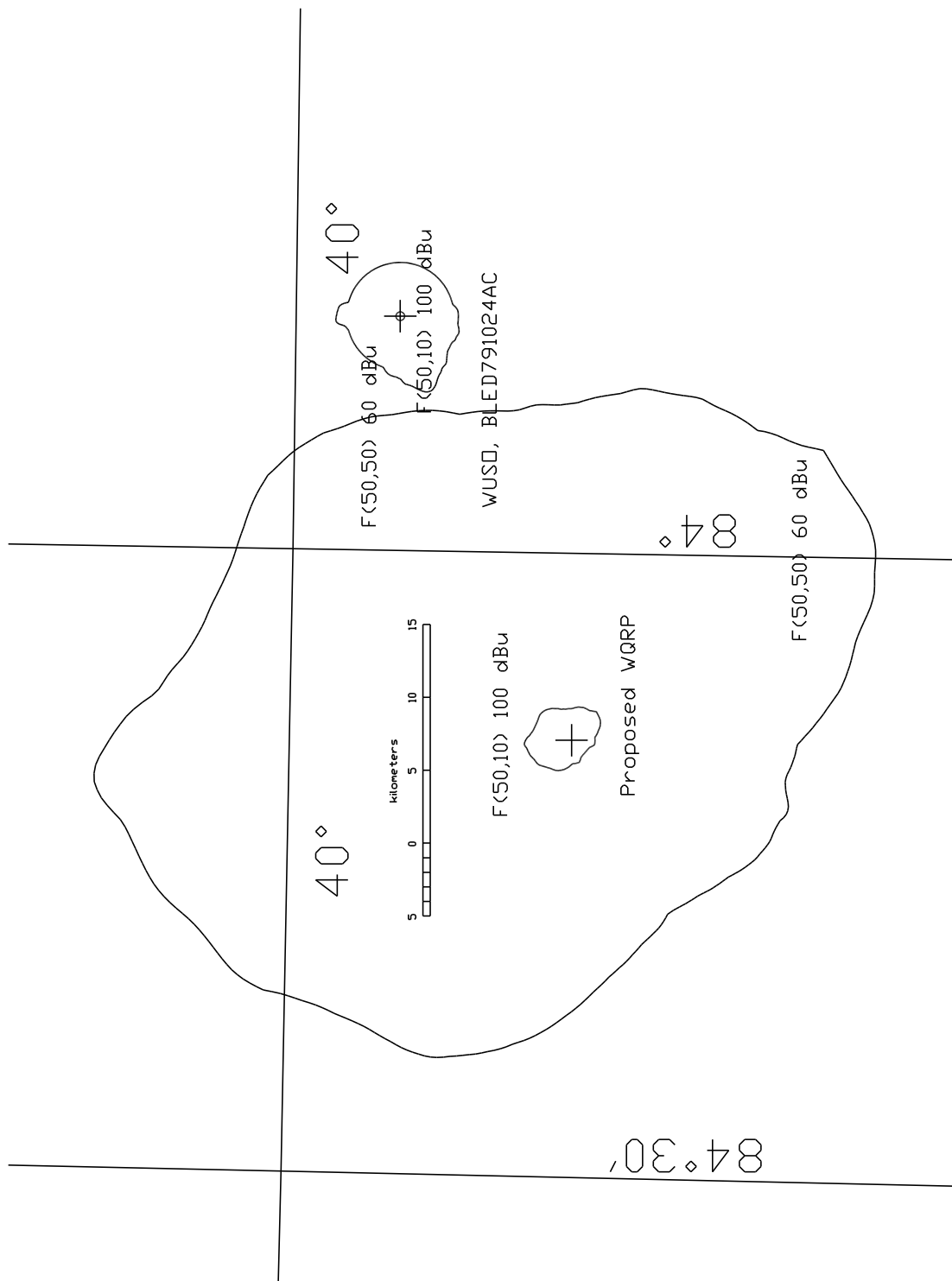


FIGURE 4 - PROPOSED WQRP VERSUS WUSO/CP

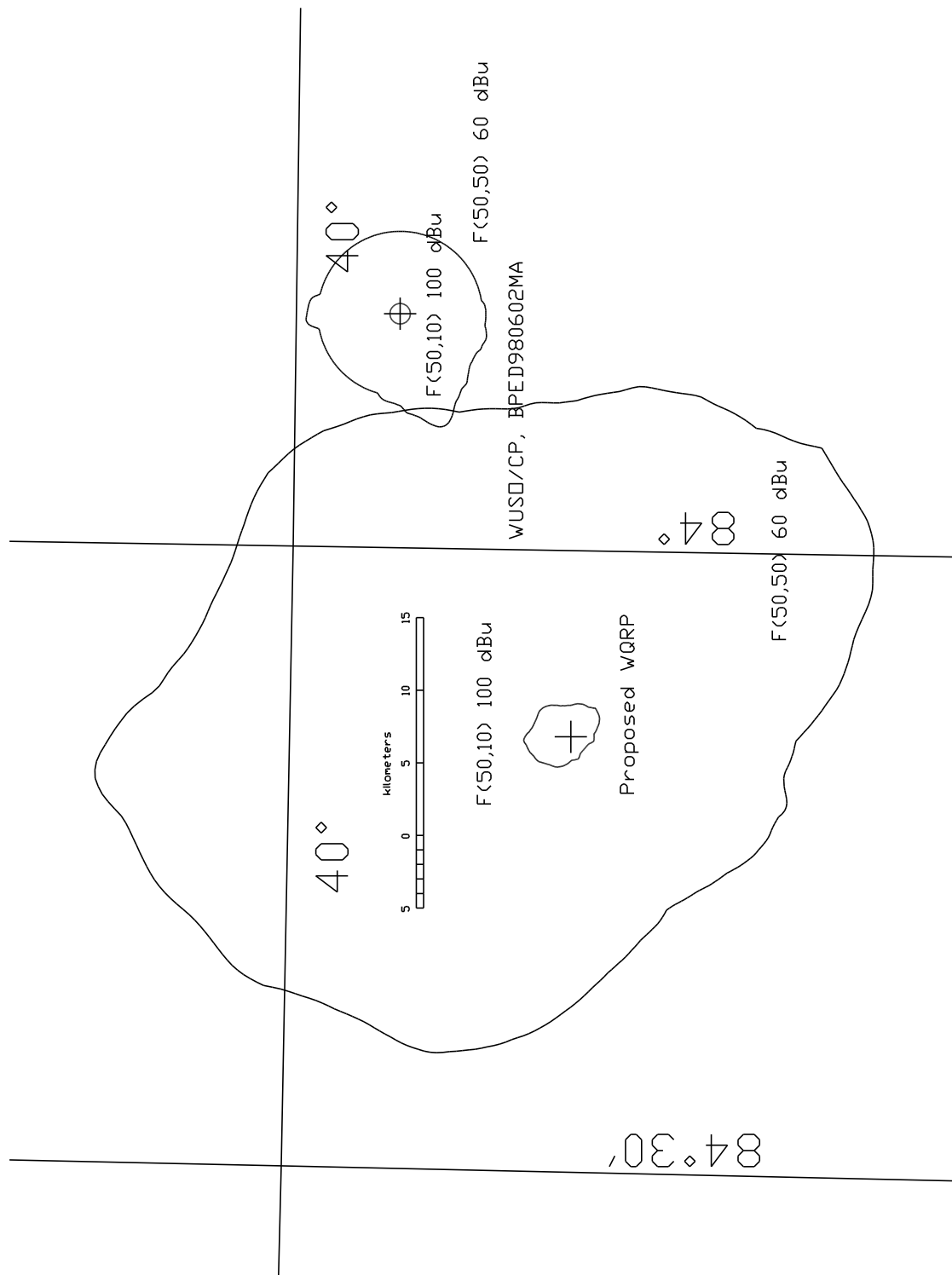




FIGURE 5 - PROPOSED WQRP VERSUS WVXR

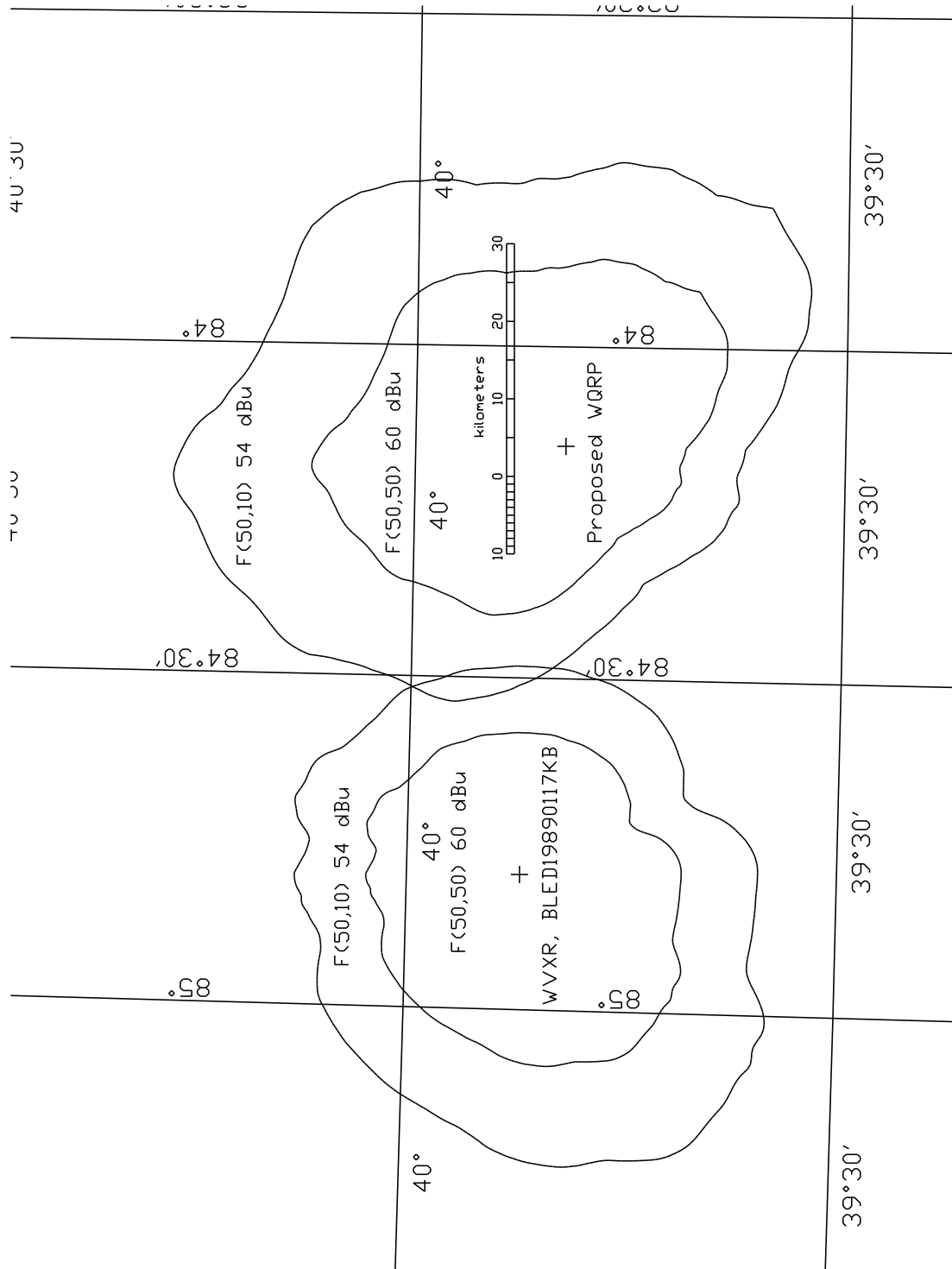


FIGURE 6 - PROPOSED WQRP VERSUS WMKV

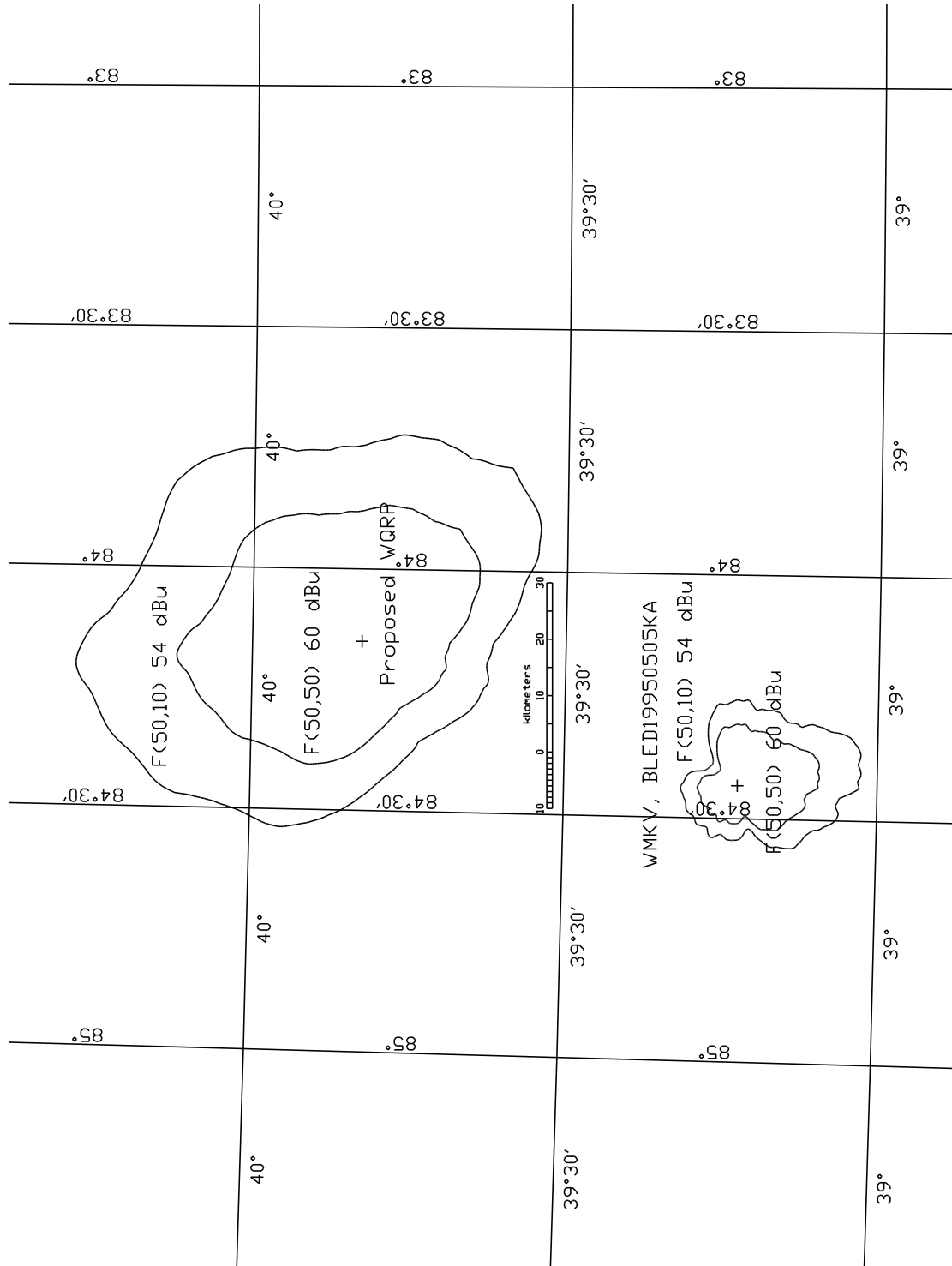


FIGURE 7 - PROPOSED WQRP VERSUS WHSS

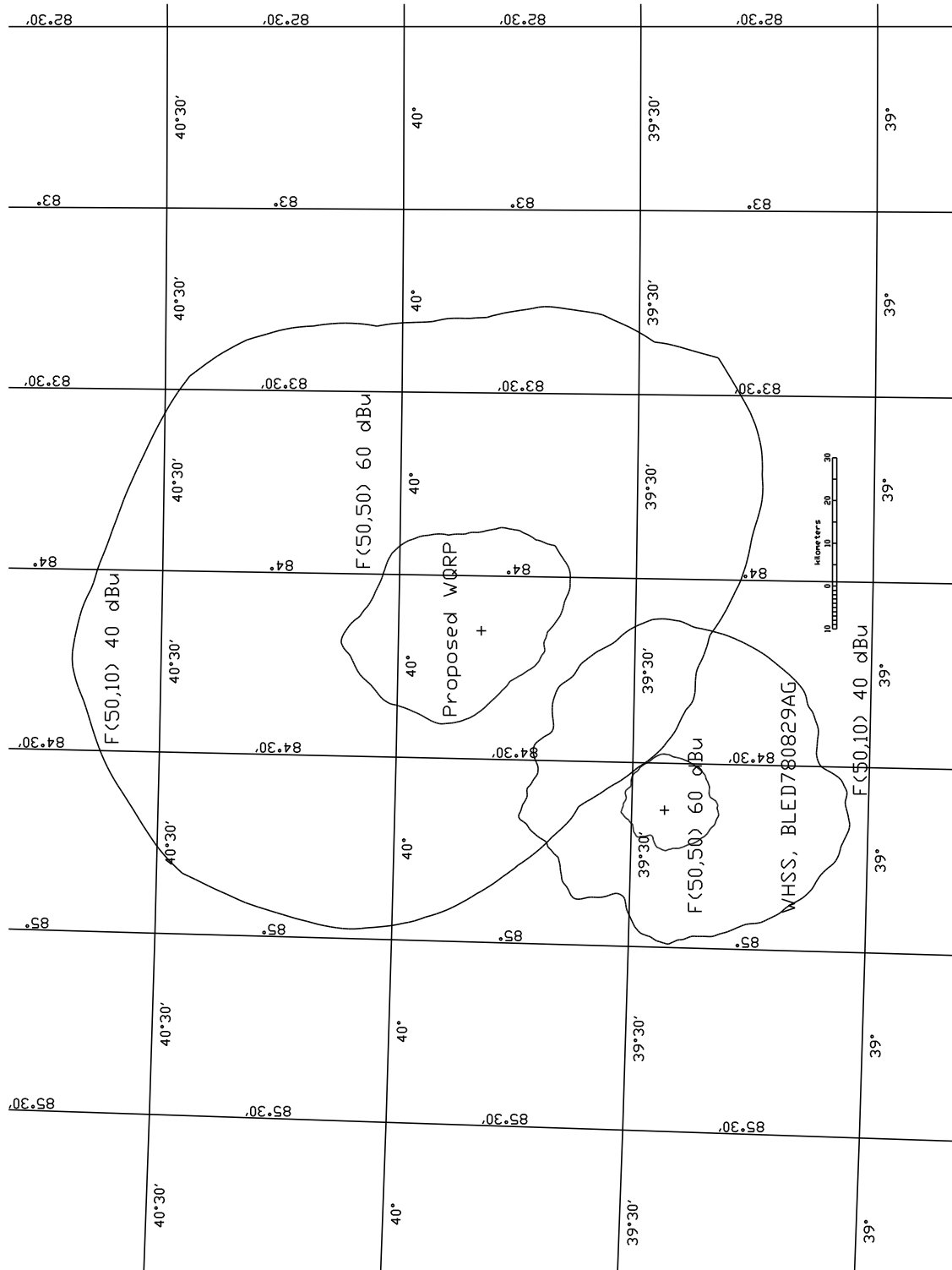


FIGURE 7A - EXPANDED VIEW OF WHSS

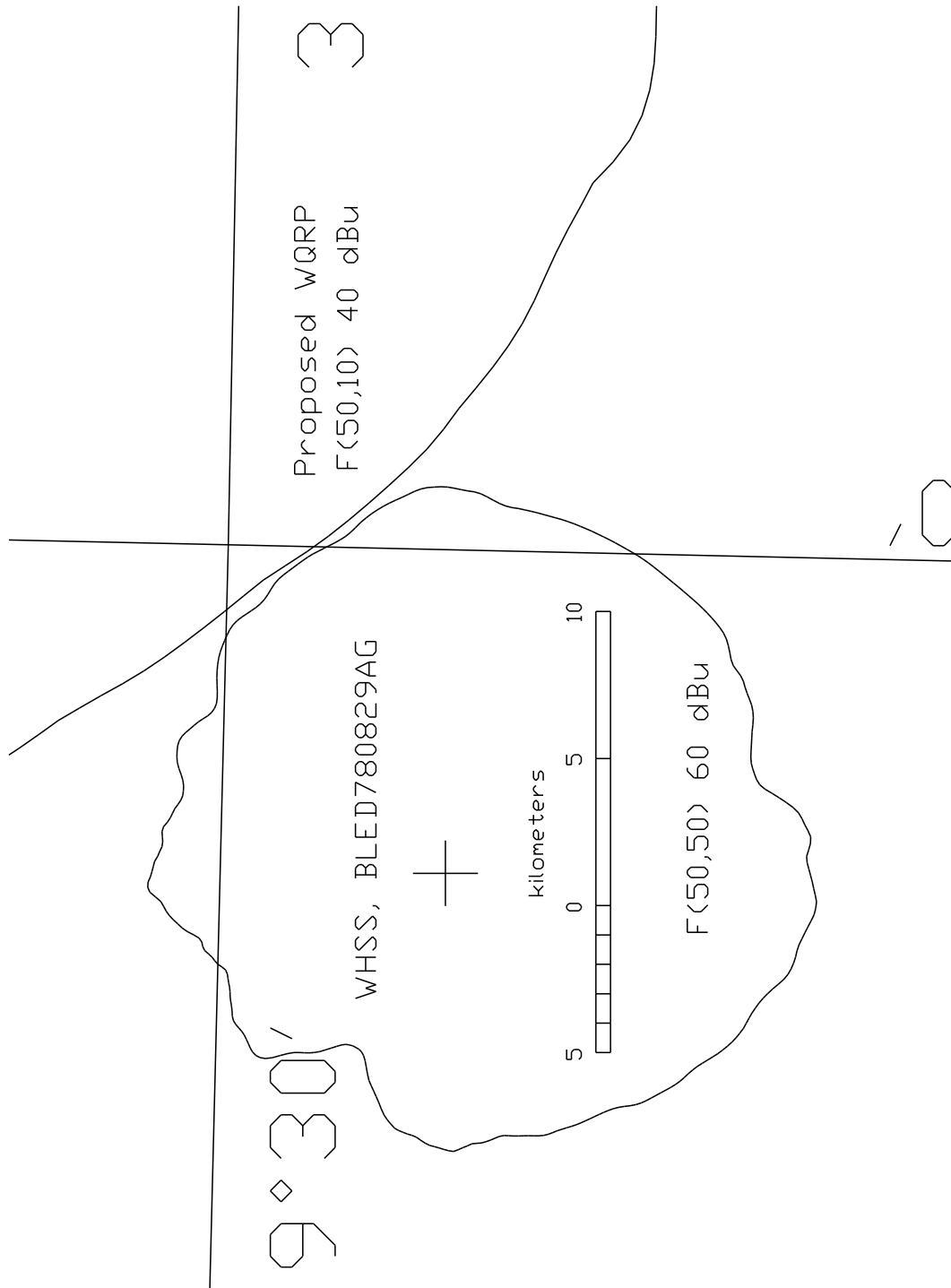


FIGURE 8 - PROPOSED WQRP VERSUS WVXW

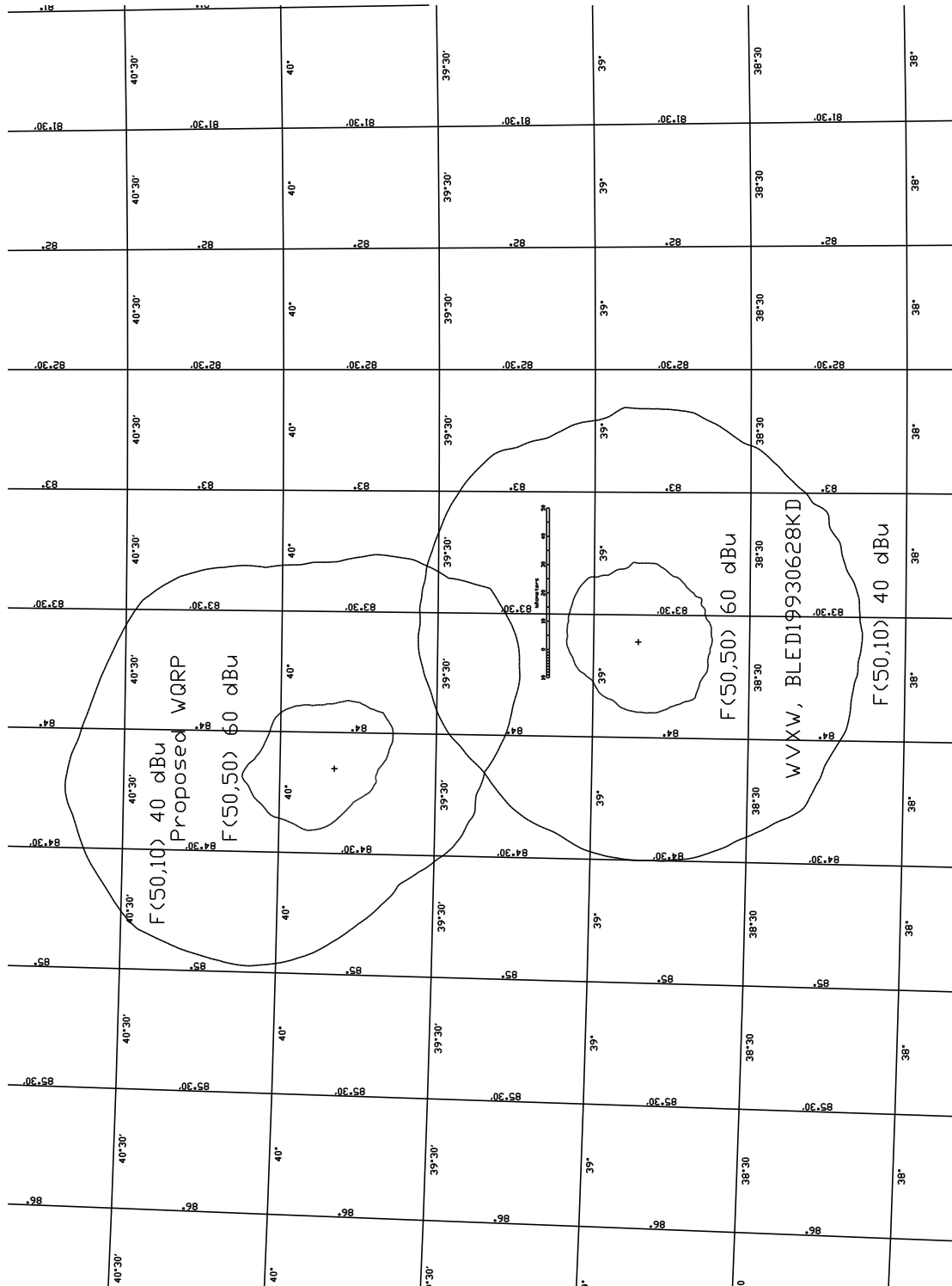


FIGURE 9 - PROPOSED WQRP VERSUS WNKU

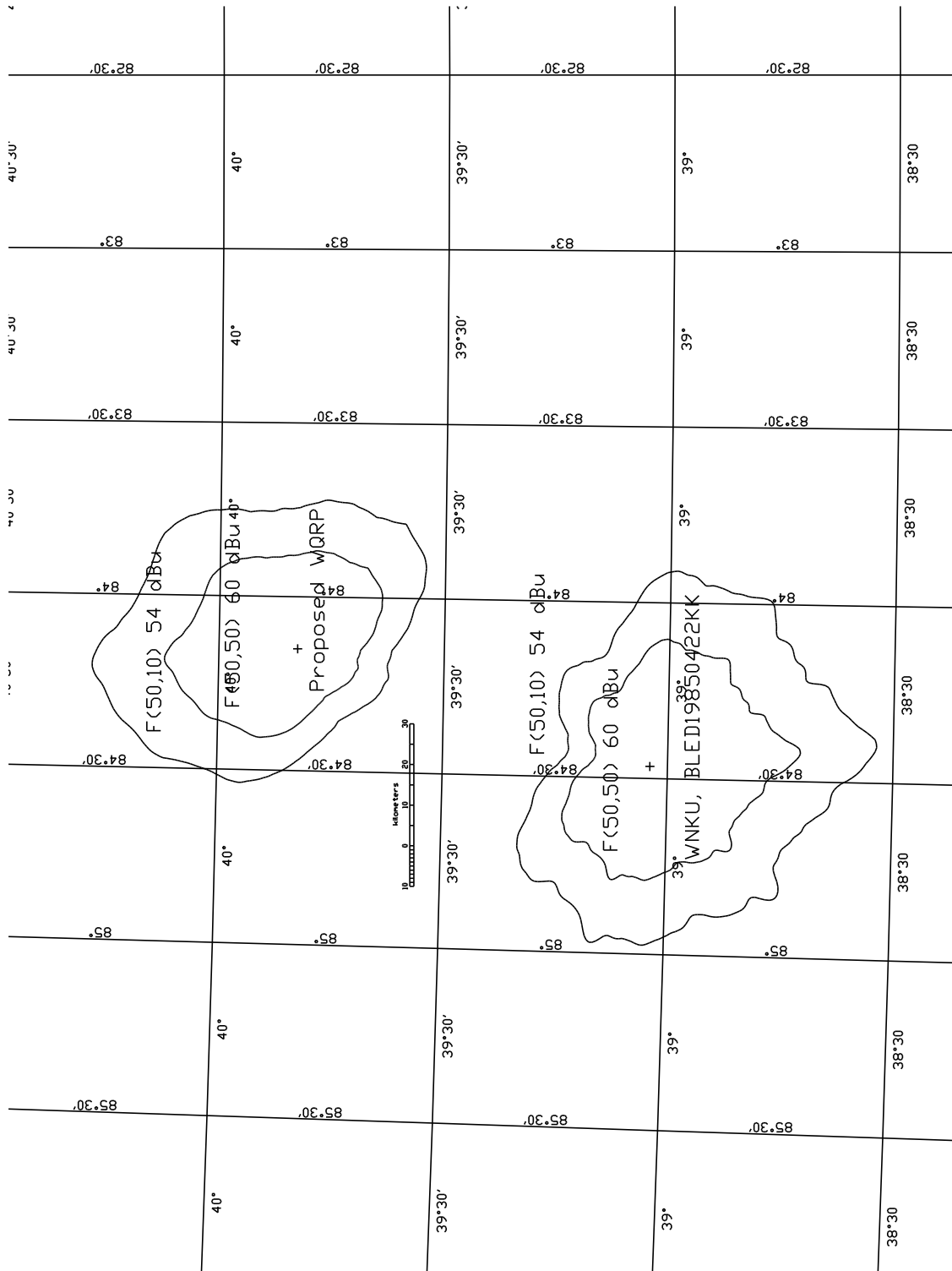


FIGURE 10 - PROPOSED WQRP VERSUS WOSU-FM

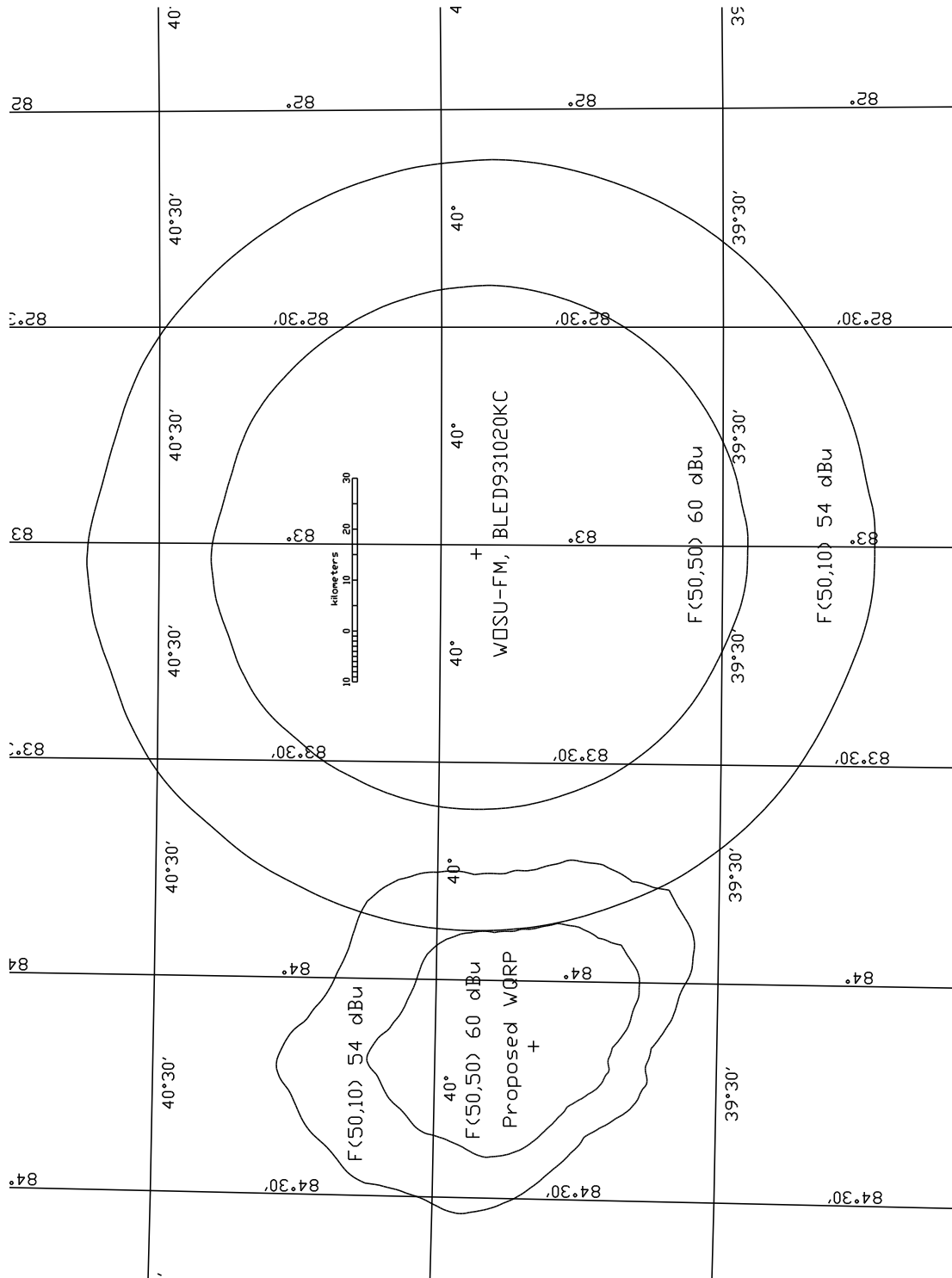


FIGURE 10A - EXPANDED VIEW OF WOSU-FM

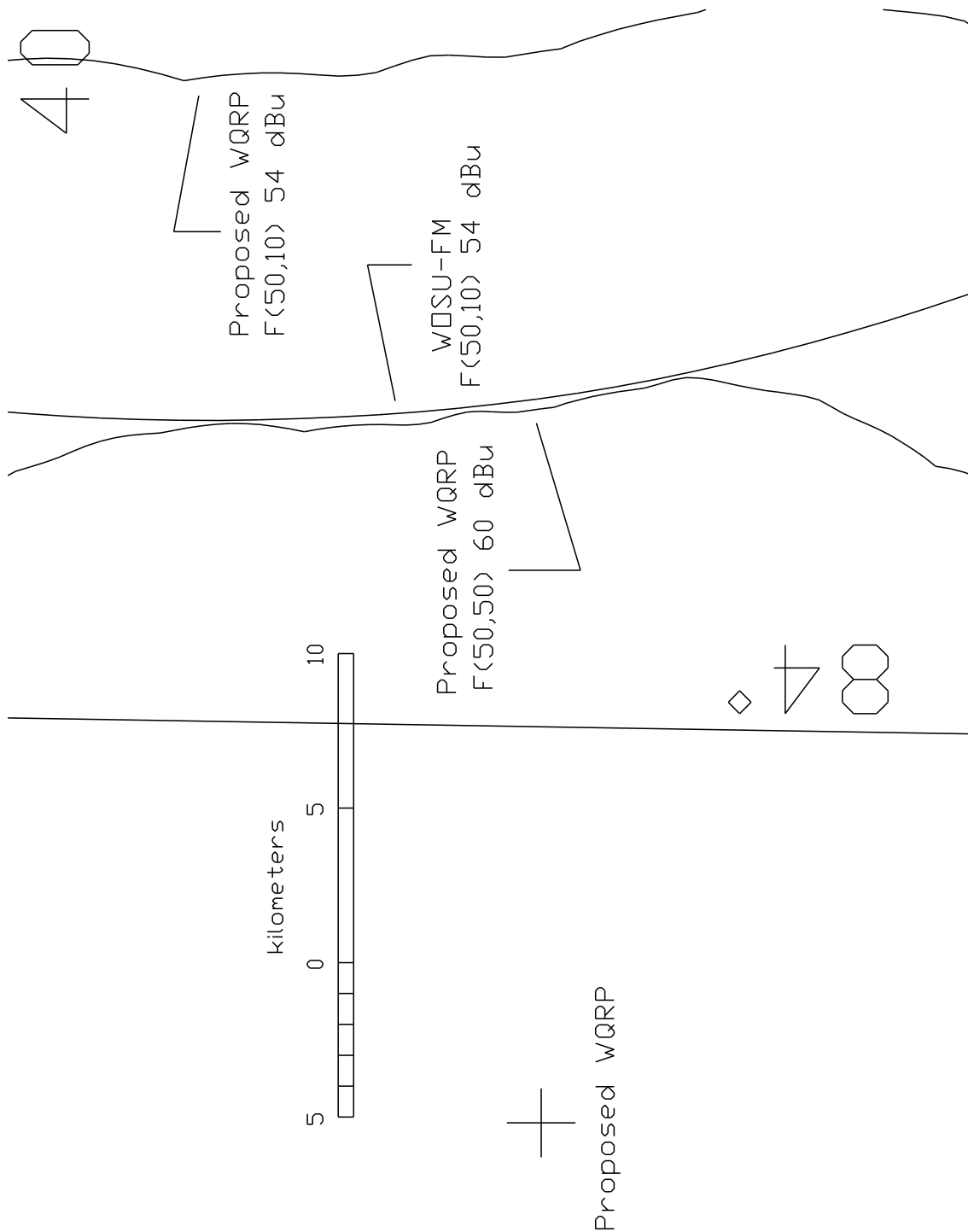




FIGURE 11 - PROPOSED WQRP VERSUS WDPG

