

Waiver Request 47CFR74.1204

The site for the proposed facility is located within the protected contour of third-adjacent channel station WHRM, in Wausau, WI. The contour of WHRM that is predicted to be at the proposed site for this amendment is 82.4 dBu F[50,50] (see Figure 1 and Figure 2). According to established second-adjacent channel contour protection ratios, the contour from the interfering station should be 40 dB higher than the protected contour. Therefore the respective interfering contour for this proposed amendment is 122.4 dBu F[50,10].

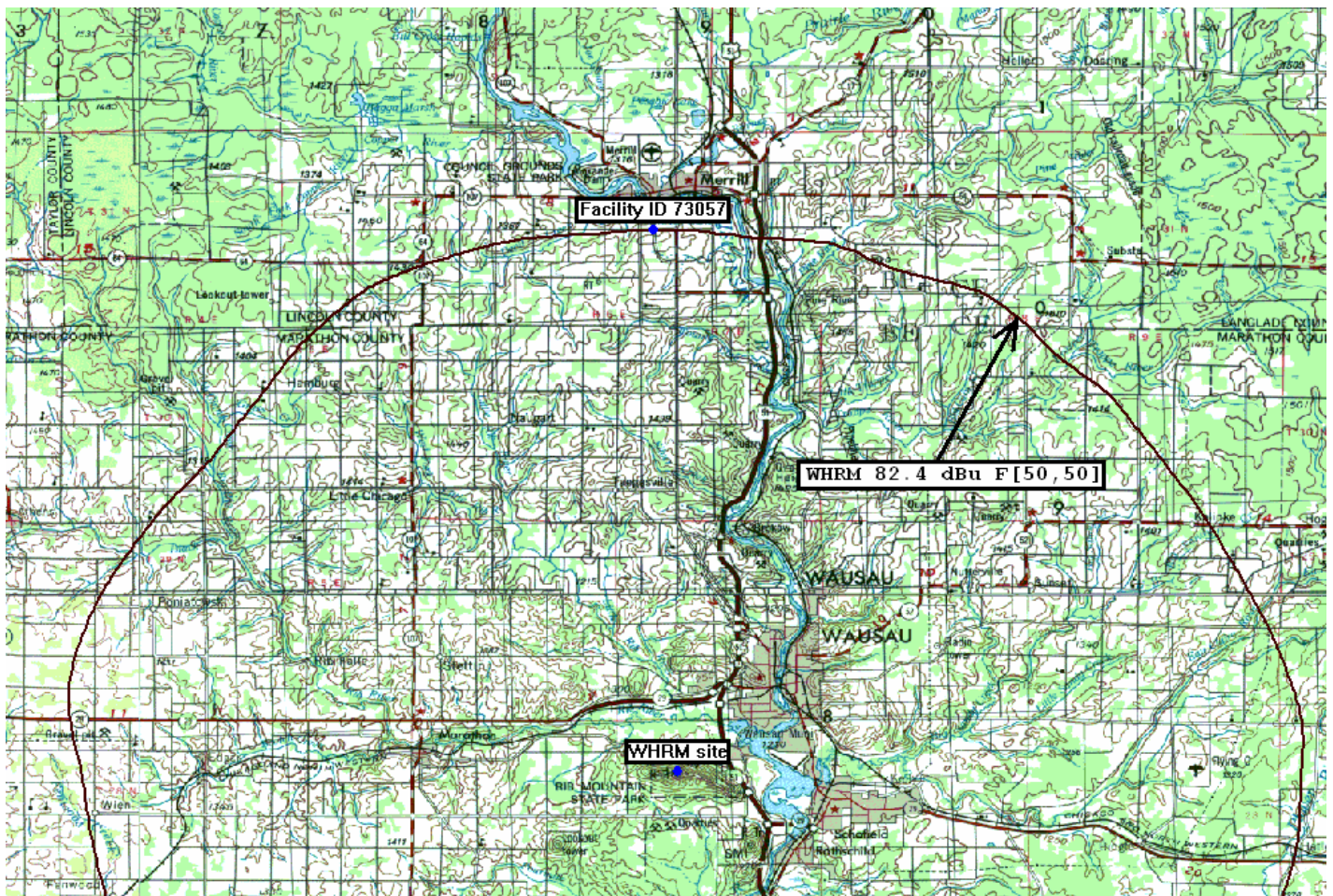


Figure 1

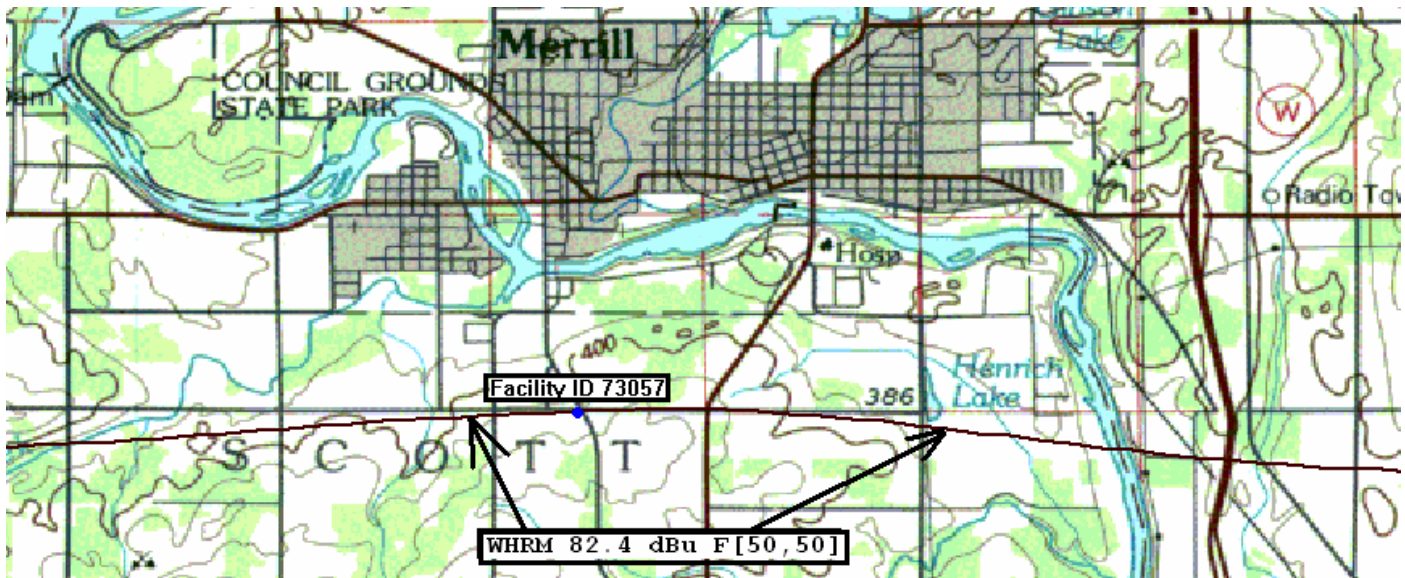


Figure 2

The 122.4 dBu F[50,10] contour for the proposed facility change is 69 meters from radiation center. We propose for the radiation center to be 20 meters AGL. However, the radiation pattern of the proposed two-bay antenna utilizing $\frac{3}{4}$ wavelength inter-bay spacing significantly reduces radiation occurring in directions away from the horizon. This system places the 122.4 dBu F[50,10] contour 15.4 meters below radiation center or 4.6 meters AGL. Supporting data is exhibited graphically in Figure 3 and in tabular form in Figure 4.

The only structure within 69 meters of the site is a ground floor single-family residence on ground slightly lower than the facility's site elevation. Therefore, the interference area is limited to an area where there are no buildings and 26 meters above ground level, where there are no public places.

Since this proposal complies with 47CFR74.1204(d) based upon the fact that no actual interference will occur due to no population and no public locations within the areas of interference, we hereby request waiver of 47CFR74.1204(a)(3) for separation between this proposed facility and W270AJ.

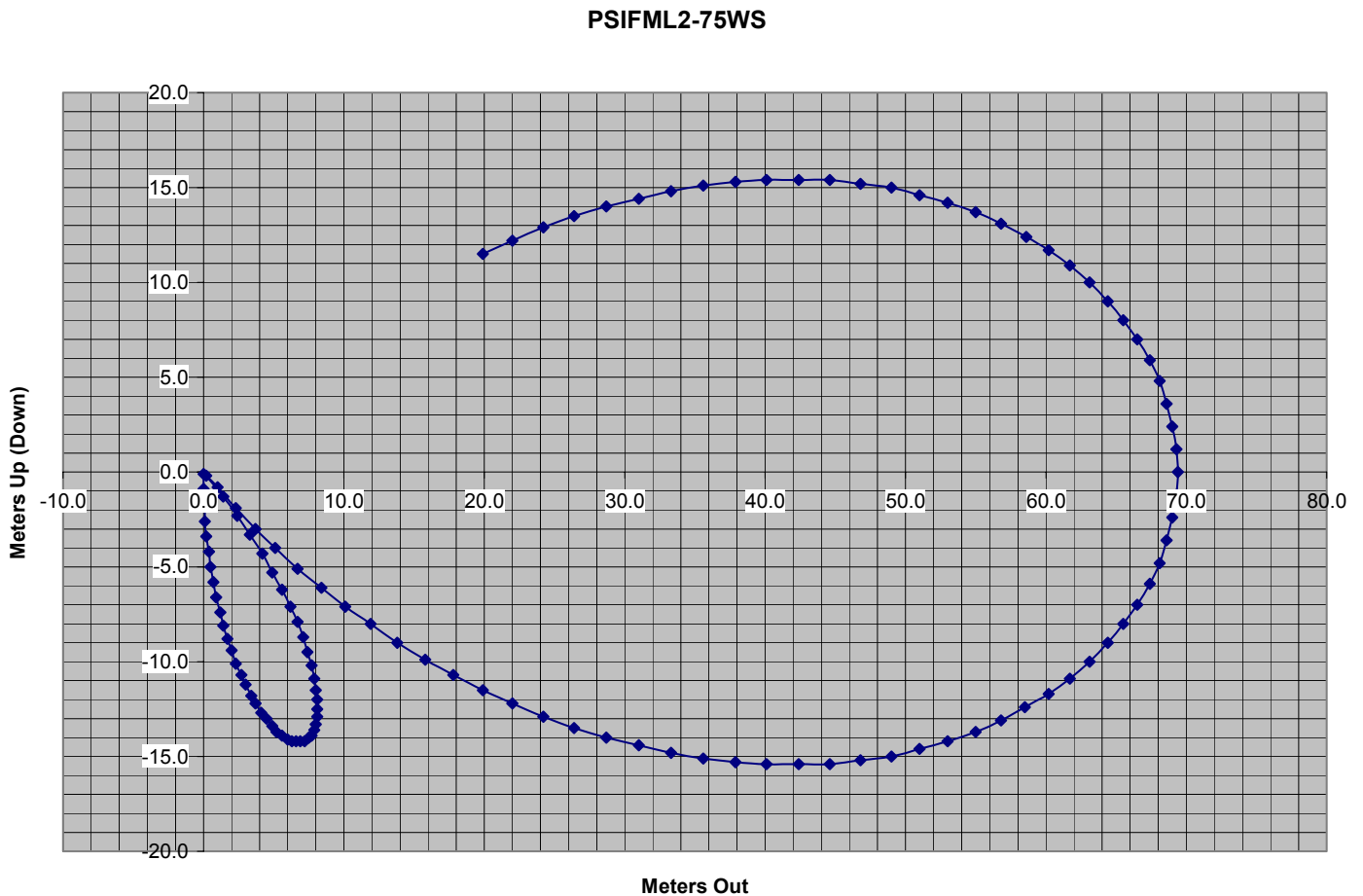


Figure 3

WRVM, Inc.
FCC Form 349
Facility ID 73057
Exhibit No. 12B

ELEV ANGLE	FIELD STRENGTH	FIELD DB	ELEV ERP(KW)	ELEV DBK	122.4DBU CNTR(M)	DISTANCE OUT (M)	DISTANCE UP(DOWN)
-90	0.001	-60.00	0.0000	-67.70	0.1	0.0	-0.1
-89	0.012	-38.22	0.0000	-45.92	0.9	0.0	-0.9
-88	0.025	-32.20	0.0001	-39.90	1.7	0.1	-1.7
-87	0.037	-28.68	0.0002	-36.37	2.6	0.1	-2.6
-86	0.049	-26.21	0.0004	-33.90	3.4	0.2	-3.4
-85	0.061	-24.28	0.0006	-31.98	4.2	0.4	-4.2
-84	0.073	-22.75	0.0009	-30.44	5.1	0.5	-5.0
-83	0.085	-21.44	0.0012	-29.14	5.9	0.7	-5.8
-82	0.096	-20.35	0.0016	-28.04	6.7	0.9	-6.6
-81	0.107	-19.38	0.0020	-27.07	7.5	1.2	-7.4
-80	0.118	-18.54	0.0024	-26.23	8.2	1.4	-8.1
-79	0.129	-17.79	0.0028	-25.49	8.9	1.7	-8.8
-78	0.139	-17.13	0.0033	-24.82	9.7	2.0	-9.4
-77	0.149	-16.52	0.0038	-24.22	10.4	2.3	-10.1
-76	0.159	-15.98	0.0043	-23.68	11.0	2.7	-10.7
-75	0.168	-15.51	0.0048	-23.20	11.6	3.0	-11.2
-74	0.176	-15.07	0.0053	-22.77	12.2	3.4	-11.8
-73	0.184	-14.69	0.0058	-22.38	12.8	3.7	-12.2
-72	0.192	-14.34	0.0063	-22.03	13.3	4.1	-12.7
-71	0.199	-14.03	0.0067	-21.72	13.8	4.5	-13.0
-70	0.205	-13.75	0.0072	-21.45	14.2	4.9	-13.4
-69	0.211	-13.52	0.0076	-21.21	14.6	5.2	-13.7
-68	0.216	-13.31	0.0079	-21.01	15.0	5.6	-13.9
-67	0.220	-13.15	0.0082	-20.84	15.3	6.0	-14.1
-66	0.224	-13.01	0.0085	-20.70	15.5	6.3	-14.2
-65	0.226	-12.90	0.0087	-20.60	15.7	6.6	-14.2
-64	0.228	-12.83	0.0089	-20.53	15.8	6.9	-14.2
-63	0.229	-12.80	0.0089	-20.50	15.9	7.2	-14.2
-62	0.229	-12.79	0.0089	-20.49	15.9	7.5	-14.0
-61	0.228	-12.83	0.0089	-20.52	15.8	7.7	-13.9
-60	0.227	-12.90	0.0087	-20.59	15.7	7.9	-13.6
-59	0.224	-13.01	0.0085	-20.70	15.5	8.0	-13.3
-58	0.220	-13.16	0.0082	-20.85	15.2	8.1	-12.9
-57	0.215	-13.35	0.0079	-21.05	14.9	8.1	-12.5
-56	0.209	-13.60	0.0074	-21.30	14.5	8.1	-12.0
-55	0.202	-13.89	0.0069	-21.59	14.0	8.0	-11.5
-54	0.194	-14.26	0.0064	-21.96	13.4	7.9	-10.9
-53	0.184	-14.69	0.0058	-22.38	12.8	7.7	-10.2
-52	0.174	-15.19	0.0051	-22.89	12.1	7.4	-9.5
-51	0.162	-15.80	0.0045	-23.49	11.3	7.1	-8.7
-50	0.149	-16.51	0.0038	-24.21	10.4	6.7	-7.9
-49	0.135	-17.36	0.0031	-25.06	9.4	6.2	-7.1
-48	0.120	-18.41	0.0025	-26.10	8.3	5.6	-6.2
-47	0.104	-19.68	0.0018	-27.37	7.2	4.9	-5.3
-46	0.086	-21.29	0.0013	-28.98	6.0	4.2	-4.3

Figure 4

WRVM, Inc.
FCC Form 349
Facility ID 73057
Exhibit No. 12B

ELEV ANGLE	FIELD STRENGTH	FIELD DB	ELEV ERP(KW)	ELEV DBK	122.4DBU CNTR(M)	DISTANCE OUT (M)	DISTANCE UP(DOWN)
-45	0.068	-23.40	0.0008	-21.96	4.7	3.3	-3.3
-44	0.048	-26.42	0.0004	-22.38	3.3	2.4	-2.3
-43	0.027	-31.48	0.0001	-22.89	1.8	1.4	-1.3
-42	0.005	-46.85	0.0000	-23.49	0.3	0.2	-0.2
-41	0.018	-34.66	0.0001	-24.21	1.3	1.0	-0.8
-40	0.043	-27.42	0.0003	-25.06	3.0	2.3	-1.9
-39	0.068	-23.36	0.0008	-26.10	4.7	3.7	-3.0
-38	0.094	-20.53	0.0015	-27.37	6.5	5.1	-4.0
-37	0.121	-18.33	0.0025	-28.98	8.4	6.7	-5.1
-36	0.149	-16.53	0.0038	-31.10	10.3	8.4	-6.1
-35	0.178	-15.00	0.0054	-34.12	12.3	10.1	-7.1
-34	0.207	-13.67	0.0073	-39.18	14.4	11.9	-8.0
-33	0.237	-12.49	0.0096	-54.54	16.5	13.8	-9.0
-32	0.268	-11.43	0.0122	-42.36	18.6	15.8	-9.9
-31	0.299	-10.48	0.0152	-35.11	20.8	17.8	-10.7
-30	0.331	-9.60	0.0186	-31.06	23.0	19.9	-11.5
-29	0.363	-8.80	0.0224	-28.22	25.2	22.0	-12.2
-28	0.395	-8.06	0.0266	-26.02	27.4	24.2	-12.9
-27	0.428	-7.38	0.0311	-24.23	29.7	26.4	-13.5
-26	0.460	-6.74	0.0360	-22.69	31.9	28.7	-14.0
-25	0.493	-6.15	0.0412	-21.36	34.2	31.0	-14.4
-24	0.525	-5.60	0.0468	-20.18	36.4	33.3	-14.8
-23	0.557	-5.08	0.0527	-19.13	38.6	35.6	-15.1
-22	0.589	-4.60	0.0589	-18.17	40.8	37.9	-15.3
-21	0.620	-4.15	0.0653	-17.30	43.0	40.1	-15.4
-20	0.650	-3.74	0.0719	-16.50	45.1	42.4	-15.4
-19	0.680	-3.34	0.0787	-15.76	47.2	44.6	-15.4
-18	0.710	-2.98	0.0856	-15.07	49.2	46.8	-15.2
-17	0.738	-2.64	0.0926	-14.44	51.2	49.0	-15.0
-16	0.765	-2.32	0.0996	-13.85	53.1	51.0	-14.6
-15	0.792	-2.03	0.1065	-13.29	54.9	53.0	-14.2
-14	0.817	-1.76	0.1134	-12.78	56.6	55.0	-13.7
-13	0.840	-1.51	0.1201	-12.30	58.3	56.8	-13.1
-12	0.863	-1.28	0.1266	-11.85	59.8	58.5	-12.4
-11	0.884	-1.07	0.1328	-11.43	61.3	60.2	-11.7
-10	0.903	-0.88	0.1387	-11.04	62.7	61.7	-10.9
-9	0.921	-0.71	0.1443	-10.67	63.9	63.1	-10.0
-8	0.937	-0.56	0.1494	-10.33	65.0	64.4	-9.0
-7	0.952	-0.43	0.1540	-10.02	66.0	65.5	-8.0
-6	0.964	-0.31	0.1581	-9.72	66.9	66.5	-7.0
-5	0.975	-0.22	0.1616	-9.45	67.6	67.4	-5.9
-4	0.984	-0.14	0.1646	-9.21	68.3	68.1	-4.8
-3	0.991	-0.08	0.1669	-8.98	68.7	68.6	-3.6
-2	0.996	-0.04	0.1686	-8.77	69.1	69.0	-2.4
-1	0.999	-0.01	0.1696	-8.58	69.3	69.3	-1.2

Figure 4 (continued)

ELEV ANGLE	FIELD STRENGTH	FIELD DB	ELEV ERP(KW)	ELEV DBK	122.4DBU CNTR(M)	DISTANCE OUT (M)	DISTANCE UP(DOWN)
0	1.000	0.00	0.1700	-8.58	69.4	69.4	0.0
1	0.999	-0.01	0.1696	-8.41	69.3	69.3	1.2
2	0.996	-0.04	0.1686	-8.26	69.1	69.0	2.4
3	0.991	-0.08	0.1669	-8.12	68.7	68.6	3.6
4	0.984	-0.14	0.1646	-8.01	68.3	68.1	4.8
5	0.975	-0.22	0.1616	-7.91	67.6	67.4	5.9
6	0.964	-0.31	0.1581	-7.83	66.9	66.5	7.0
7	0.952	-0.43	0.1540	-7.77	66.0	65.5	8.0
8	0.937	-0.56	0.1494	-7.73	65.0	64.4	9.0
9	0.921	-0.71	0.1443	-7.70	63.9	63.1	10.0
10	0.903	-0.88	0.1388	-7.70	62.7	61.7	10.9
11	0.884	-1.07	0.1328	-7.70	61.3	60.2	11.7
12	0.863	-1.28	0.1266	-7.73	59.9	58.6	12.4
13	0.841	-1.51	0.1201	-7.77	58.3	56.8	13.1
14	0.817	-1.76	0.1134	-7.83	56.7	55.0	13.7
15	0.792	-2.03	0.1065	-7.91	54.9	53.0	14.2
16	0.765	-2.32	0.0996	-8.01	53.1	51.0	14.6
17	0.738	-2.64	0.0926	-8.12	51.2	49.0	15.0
18	0.710	-2.98	0.0856	-8.26	49.2	46.8	15.2
19	0.680	-3.34	0.0787	-8.41	47.2	44.6	15.4
20	0.650	-3.74	0.0719	-8.58	45.1	42.4	15.4
21	0.620	-4.15	0.0653	-8.77	43.0	40.1	15.4
22	0.589	-4.60	0.0589	-8.97	40.8	37.9	15.3
23	0.557	-5.08	0.0527	-9.20	38.6	35.6	15.1
24	0.525	-5.60	0.0468	-9.45	36.4	33.3	14.8
25	0.493	-6.15	0.0412	-9.72	34.2	31.0	14.4
26	0.460	-6.74	0.0360	-10.02	31.9	28.7	14.0
27	0.428	-7.38	0.0311	-10.33	29.7	26.4	13.5
28	0.395	-8.06	0.0266	-10.67	27.4	24.2	12.9
29	0.363	-8.80	0.0224	-11.04	25.2	22.0	12.2
30	0.331	-9.60	0.0186	-11.43	23.0	19.9	11.5

Figure 4 (continued)