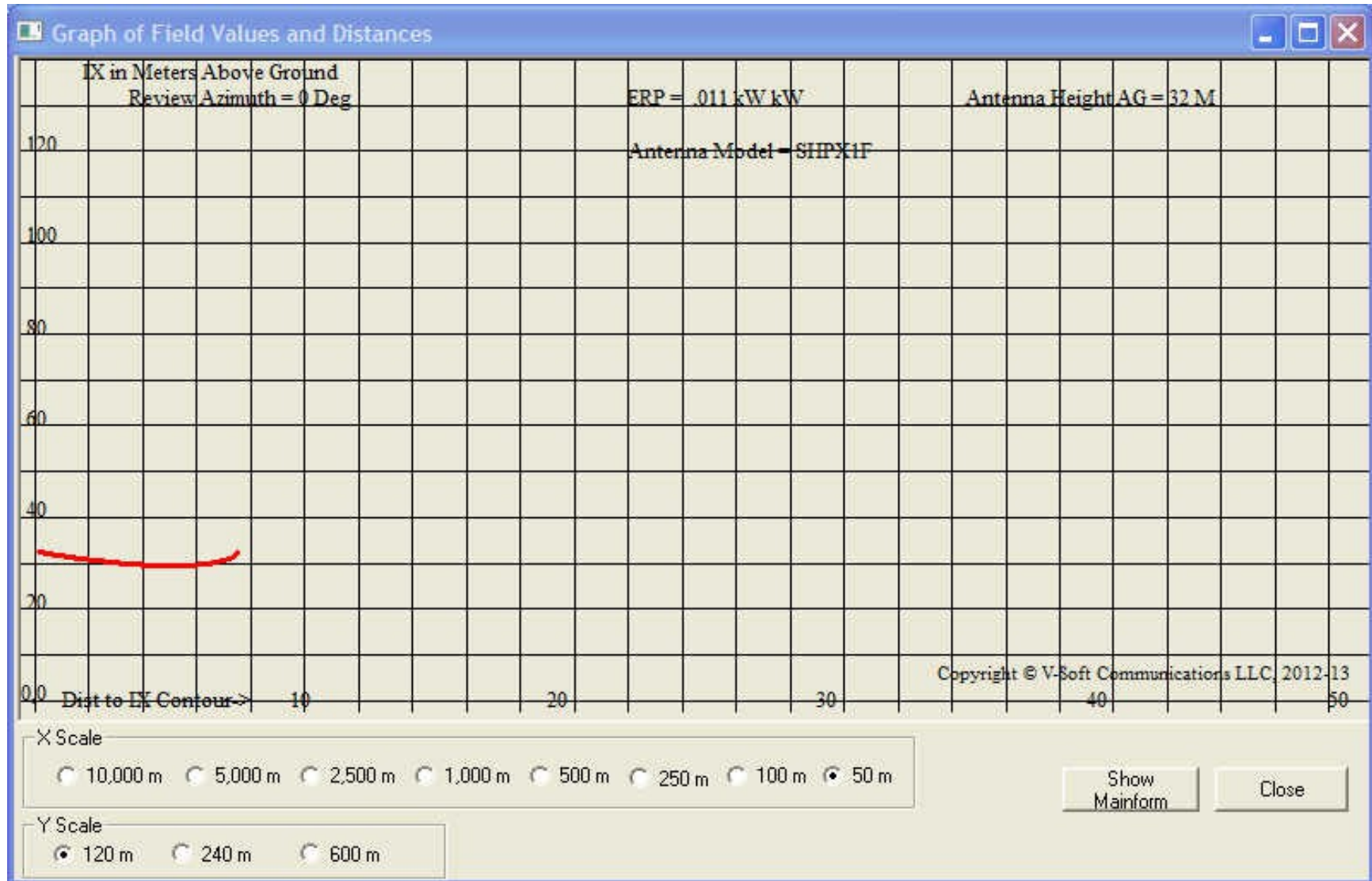


Technical Exhibit
YAKIMA, WA 278L

The instant application seeks a waiver of the second adjacent minimum distance separation requirement of 47 C.F.R. Section 73.807. The proposed facility will not interfere with any authorized radio service, specifically, KYKV

Below is a graphic and tabular output showing the interfering 130dB F(50,10) contour of the proposed facility does not reach ground level. There are no tall buildings within this contour.



LPFM YAKIMA, WA
 Translator 74.1204(d) Showing
 Translator Maximum Licensed ERP = 0.011
 Translator Antenna Height AG = 32 Meters
 LPFM Antenna Model = SHPX1F

Protected Station's Contour = 89.62868 dBu
 Translator's full Interference contour 129.62868

Review Azimuth = 0 Degrees True
 Horizontal Relative Field at Review Azimuth = 1.000
 Horizontal Translator ERP at Review Azimuth = 0.011 kW
 Distance between stations = 10.6
 Protected Station= KYKV, 5.4 kW, 975 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw) Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0110	007.6783	007.6783	032.000
01.00	1.0	1.0	0.0110	007.6783	007.6771	031.866
02.00	0.999	1.0	0.0110	007.6706	007.6659	031.732
03.00	0.998	1.0	0.0110	007.6629	007.6524	031.599
04.00	0.996	1.0	0.0109	007.6475	007.6289	031.467
05.00	0.993	1.0	0.0108	007.6245	007.5955	031.335
06.00	0.99	1.0	0.0108	007.6015	007.5598	031.205
07.00	0.987	1.0	0.0107	007.5784	007.5219	031.076
08.00	0.983	1.0	0.0106	007.5477	007.4743	030.950
09.00	0.979	1.0	0.0105	007.5170	007.4245	030.824
10.00	0.974	1.0	0.0104	007.4786	007.3650	030.701
11.00	0.968	1.0	0.0103	007.4325	007.2960	030.582
12.00	0.962	1.0	0.0102	007.3865	007.2251	030.464
13.00	0.956	1.0	0.0101	007.3404	007.1523	030.349
14.00	0.949	1.0	0.0099	007.2867	007.0702	030.237
15.00	0.941	1.0	0.0097	007.2252	006.9790	030.130
16.00	0.933	1.0	0.0096	007.1638	006.8863	030.025
17.00	0.925	1.0	0.0094	007.1024	006.7920	029.923

18.00	0.916	1.0	0.0092	007.0333	006.6890	029.827
19.00	0.907	1.0	0.0090	006.9642	006.5848	029.733
20.00	0.897	1.0	0.0089	006.8874	006.4720	029.644
21.00	0.887	1.0	0.0087	006.8106	006.3583	029.559
22.00	0.877	1.0	0.0085	006.7338	006.2435	029.477
23.00	0.866	1.0	0.0082	006.6494	006.1208	029.402
24.00	0.855	1.0	0.0080	006.5649	005.9973	029.330
25.00	0.843	1.0	0.0078	006.4728	005.8663	029.264
26.00	0.831	1.0	0.0076	006.3806	005.7349	029.203
27.00	0.819	1.0	0.0074	006.2885	005.6031	029.145
28.00	0.806	1.0	0.0071	006.1887	005.4643	029.095
29.00	0.793	1.0	0.0069	006.0889	005.3254	029.048
30.00	0.78	1.0	0.0067	005.9890	005.1867	029.005
31.00	0.766	1.0	0.0065	005.8815	005.0415	028.971
32.00	0.752	1.0	0.0062	005.7740	004.8967	028.940
33.00	0.738	1.0	0.0060	005.6665	004.7524	028.914
34.00	0.723	1.0	0.0058	005.5514	004.6023	028.896
35.00	0.709	1.0	0.0055	005.4439	004.4594	028.878
36.00	0.694	1.0	0.0053	005.3287	004.3110	028.868
37.00	0.679	1.0	0.0051	005.2135	004.1637	028.862
38.00	0.664	1.0	0.0048	005.0984	004.0176	028.861
39.00	0.648	1.0	0.0046	004.9755	003.8667	028.869
40.00	0.633	1.0	0.0044	004.8603	003.7232	028.876
41.00	0.617	1.0	0.0042	004.7375	003.5754	028.892
42.00	0.601	1.0	0.0040	004.6146	003.4293	028.912
43.00	0.586	1.0	0.0038	004.4995	003.2907	028.931
44.00	0.57	1.0	0.0036	004.3766	003.1483	028.960
45.00	0.554	1.0	0.0034	004.2538	003.0079	028.992
46.00	0.537	1.0	0.0032	004.1232	002.8642	029.034
47.00	0.521	1.0	0.0030	004.0004	002.7282	029.074
48.00	0.505	1.0	0.0028	003.8775	002.5946	029.118
49.00	0.489	1.0	0.0026	003.7547	002.4633	029.166
50.00	0.473	1.0	0.0025	003.6318	002.3345	029.218
51.00	0.457	1.0	0.0023	003.5090	002.2083	029.273
52.00	0.441	1.0	0.0021	003.3861	002.0847	029.332
53.00	0.425	1.0	0.0020	003.2633	001.9639	029.394
54.00	0.409	1.0	0.0018	003.1404	001.8459	029.459
55.00	0.394	1.0	0.0017	003.0252	001.7352	029.522
56.00	0.378	1.0	0.0016	002.9024	001.6230	029.594

57.00	0.362	1.0	0.0014	002.7795	001.5138	029.669
58.00	0.347	1.0	0.0013	002.6644	001.4119	029.741
59.00	0.332	1.0	0.0012	002.5492	001.3129	029.815
60.00	0.317	1.0	0.0011	002.4340	001.2170	029.892
61.00	0.302	1.0	0.0010	002.3188	001.1242	029.972
62.00	0.288	1.0	0.0009	002.2113	001.0382	030.048
63.00	0.273	1.0	0.0008	002.0962	000.9516	030.132
64.00	0.259	1.0	0.0007	001.9887	000.8718	030.213
65.00	0.245	1.0	0.0007	001.8812	000.7950	030.295
66.00	0.232	1.0	0.0006	001.7814	000.7245	030.373
67.00	0.219	1.0	0.0005	001.6815	000.6570	030.452
68.00	0.206	1.0	0.0005	001.5817	000.5925	030.533
69.00	0.193	1.0	0.0004	001.4819	000.5311	030.617
70.00	0.181	1.0	0.0004	001.3898	000.4753	030.694
71.00	0.169	1.0	0.0003	001.2976	000.4225	030.773
72.00	0.157	1.0	0.0003	001.2055	000.3725	030.854
73.00	0.146	1.0	0.0002	001.1210	000.3278	030.928
74.00	0.135	1.0	0.0002	001.0366	000.2857	031.004
75.00	0.124	1.0	0.0002	000.9521	000.2464	031.080
76.00	0.114	1.0	0.0001	000.8753	000.2118	031.151
77.00	0.104	1.0	0.0001	000.7985	000.1796	031.222
78.00	0.095	1.0	0.0001	000.7294	000.1517	031.287
79.00	0.086	1.0	0.0001	000.6603	000.1260	031.352
80.00	0.077	1.0	0.0001	000.5912	000.1027	031.418
81.00	0.069	1.0	0.0001	000.5298	000.0829	031.477
82.00	0.061	1.0	0.0000	000.4684	000.0652	031.536
83.00	0.054	1.0	0.0000	000.4146	000.0505	031.588
84.00	0.047	1.0	0.0000	000.3609	000.0377	031.641
85.00	0.041	1.0	0.0000	000.3148	000.0274	031.686
86.00	0.035	1.0	0.0000	000.2687	000.0187	031.732
87.00	0.029	1.0	0.0000	000.2227	000.0117	031.778
88.00	0.024	1.0	0.0000	000.1843	000.0064	031.816
89.00	0.02	1.0	0.0000	000.1536	000.0027	031.846
90.00	0.016	1.0	0.0000	000.1229	000.0000	031.877