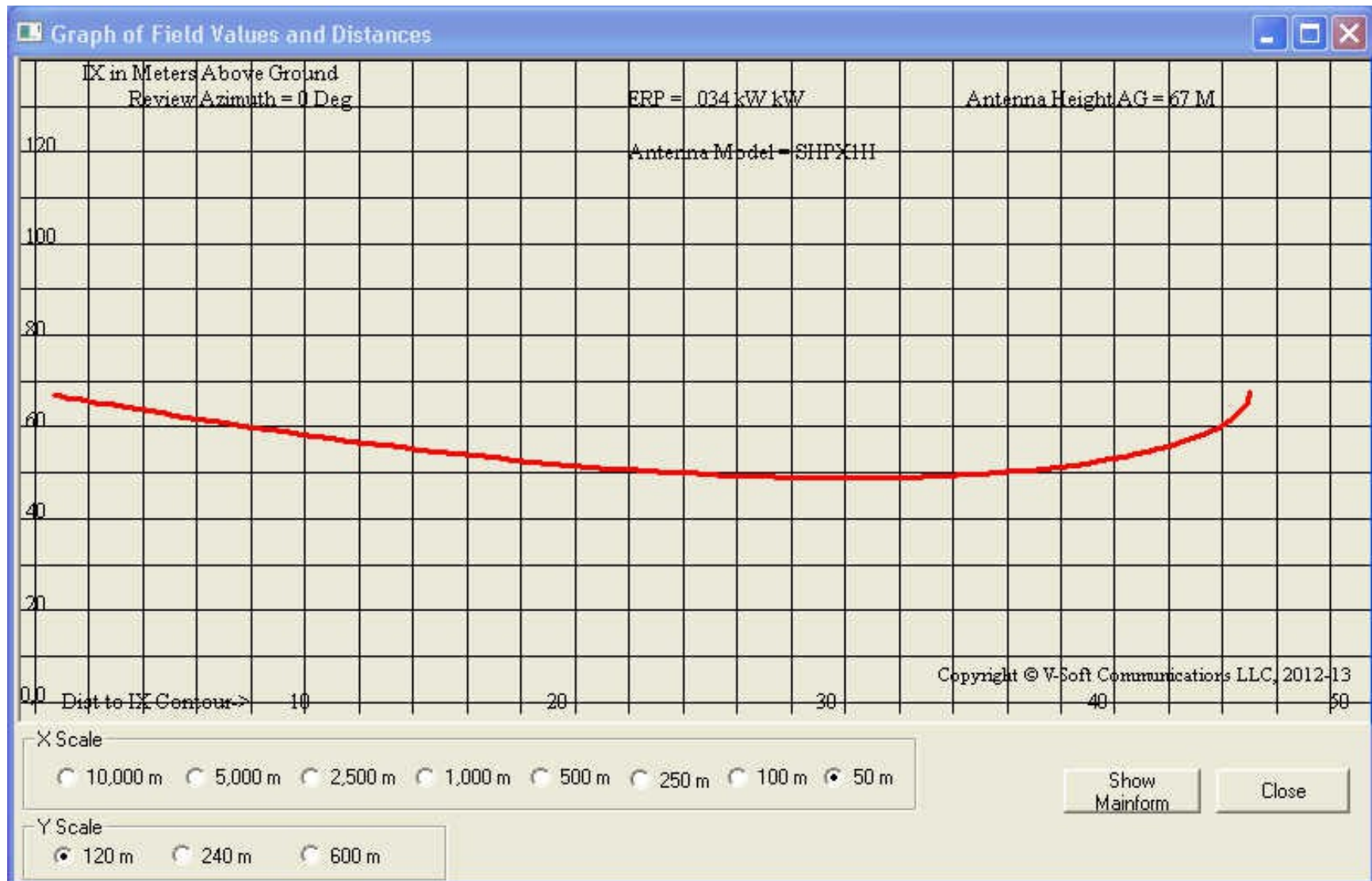


Technical Exhibit  
ATHENS, GA 296L

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 WYAY

Below is a graphic and tabular output showing the interfering 119 dB F(50,10) contour of the proposed facility, with respect to WYAY, which does not reach ground level. There are no tall buildings within this contour.



LPFM ATHENS, GA  
 Translator 74.1204(d) Showing  
 Translator Maximum Licensed ERP = 0.034  
 Translator Antenna Height AG = 67 Meters  
 LPFM Antenna Model = SHPX1H

Protected Station's Contour = 78.9967 dBu  
 Translator's full Interference contour 118.9967

Review Azimuth = 0 Degrees True  
 Horizontal Relative Field at Review Azimuth = 1.000  
 Horizontal Translator ERP at Review Azimuth = 0.034 kW  
 Distance between stations = 40.5  
 Protected Station= WYAY, 77 kW, 772 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 Along Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0340	045.9097	045.9097	067.000
01.00	1.0	1.0	0.0340	045.9097	045.9027	066.199
02.00	0.999	1.0	0.0339	045.8638	045.8359	065.399
03.00	0.998	1.0	0.0339	045.8179	045.7551	064.602
04.00	0.996	1.0	0.0337	045.7261	045.6147	063.810
05.00	0.993	1.0	0.0335	045.5883	045.4149	063.027
06.00	0.99	1.0	0.0333	045.4506	045.2016	062.249
07.00	0.987	1.0	0.0331	045.3129	044.9751	061.478
08.00	0.983	1.0	0.0329	045.1292	044.6900	060.719
09.00	0.979	1.0	0.0326	044.9456	044.3922	059.969
10.00	0.974	1.0	0.0323	044.7160	044.0367	059.235
11.00	0.968	1.0	0.0319	044.4406	043.6241	058.520
12.00	0.962	1.0	0.0315	044.1651	043.2000	057.818
13.00	0.956	1.0	0.0311	043.8897	042.7648	057.127
14.00	0.949	1.0	0.0306	043.5683	042.2741	056.460
15.00	0.941	1.0	0.0301	043.2010	041.7290	055.819
16.00	0.933	1.0	0.0296	042.8338	041.1744	055.193
17.00	0.925	1.0	0.0291	042.4665	040.6109	054.584

18.00	0.916	1.0	0.0285	042.0533	039.9951	054.005
19.00	0.907	1.0	0.0280	041.6401	039.3715	053.443
20.00	0.897	1.0	0.0274	041.1810	038.6975	052.915
21.00	0.887	1.0	0.0268	040.7219	038.0172	052.407
22.00	0.877	1.0	0.0262	040.2628	037.3310	051.917
23.00	0.866	1.0	0.0255	039.7578	036.5972	051.465
24.00	0.855	1.0	0.0249	039.2528	035.8592	051.034
25.00	0.843	1.0	0.0242	038.7019	035.0758	050.644
26.00	0.831	1.0	0.0235	038.1510	034.2899	050.276
27.00	0.819	1.0	0.0228	037.6000	033.5019	049.930
28.00	0.806	1.0	0.0221	037.0032	032.6719	049.628
29.00	0.793	1.0	0.0214	036.4064	031.8417	049.350
30.00	0.78	1.0	0.0207	035.8096	031.0120	049.095
31.00	0.766	1.0	0.0199	035.1668	030.1439	048.888
32.00	0.752	1.0	0.0192	034.5241	029.2781	048.705
33.00	0.738	1.0	0.0185	033.8814	028.4153	048.547
34.00	0.723	1.0	0.0178	033.1927	027.5180	048.439
35.00	0.709	1.0	0.0171	032.5500	026.6634	048.330
36.00	0.694	1.0	0.0164	031.8613	025.7764	048.272
37.00	0.679	1.0	0.0157	031.1727	024.8956	048.240
38.00	0.664	1.0	0.0150	030.4840	024.0218	048.232
39.00	0.648	1.0	0.0143	029.7495	023.1197	048.278
40.00	0.633	1.0	0.0136	029.0608	022.2619	048.320
41.00	0.617	1.0	0.0129	028.3263	021.3781	048.416
42.00	0.601	1.0	0.0123	027.5917	020.5047	048.538
43.00	0.586	1.0	0.0117	026.9031	019.6757	048.652
44.00	0.57	1.0	0.0110	026.1685	018.8241	048.822
45.00	0.554	1.0	0.0104	025.4340	017.9845	049.015
46.00	0.537	1.0	0.0098	024.6535	017.1258	049.266
47.00	0.521	1.0	0.0092	023.9190	016.3127	049.507
48.00	0.505	1.0	0.0087	023.1844	015.5134	049.771
49.00	0.489	1.0	0.0081	022.4498	014.7284	050.057
50.00	0.473	1.0	0.0076	021.7153	013.9583	050.365
51.00	0.457	1.0	0.0071	020.9807	013.2036	050.695
52.00	0.441	1.0	0.0066	020.2462	012.4648	051.046
53.00	0.425	1.0	0.0061	019.5116	011.7424	051.417
54.00	0.409	1.0	0.0057	018.7771	011.0369	051.809
55.00	0.394	1.0	0.0053	018.0884	010.3751	052.183
56.00	0.378	1.0	0.0049	017.3539	009.7042	052.613

57.00	0.362	1.0	0.0045	016.6193	009.0515	053.062
58.00	0.347	1.0	0.0041	015.9307	008.4420	053.490
59.00	0.332	1.0	0.0037	015.2420	007.8502	053.935
60.00	0.317	1.0	0.0034	014.5534	007.2767	054.396
61.00	0.302	1.0	0.0031	013.8647	006.7218	054.874
62.00	0.288	1.0	0.0028	013.2220	006.2073	055.326
63.00	0.273	1.0	0.0025	012.5333	005.6900	055.833
64.00	0.259	1.0	0.0023	011.8906	005.2125	056.313
65.00	0.245	1.0	0.0020	011.2479	004.7536	056.806
66.00	0.232	1.0	0.0018	010.6511	004.3322	057.270
67.00	0.219	1.0	0.0016	010.0542	003.9285	057.745
68.00	0.206	1.0	0.0014	009.4574	003.5428	058.231
69.00	0.193	1.0	0.0013	008.8606	003.1753	058.728
70.00	0.181	1.0	0.0011	008.3097	002.8421	059.191
71.00	0.169	1.0	0.0010	007.7587	002.5260	059.664
72.00	0.157	1.0	0.0008	007.2078	002.2273	060.145
73.00	0.146	1.0	0.0007	006.7028	001.9597	060.590
74.00	0.135	1.0	0.0006	006.1978	001.7083	061.042
75.00	0.124	1.0	0.0005	005.6928	001.4734	061.501
76.00	0.114	1.0	0.0004	005.2337	001.2661	061.922
77.00	0.104	1.0	0.0004	004.7746	001.0741	062.348
78.00	0.095	1.0	0.0003	004.3614	000.9068	062.734
79.00	0.086	1.0	0.0003	003.9482	000.7534	063.124
80.00	0.077	1.0	0.0002	003.5350	000.6139	063.519
81.00	0.069	1.0	0.0002	003.1678	000.4955	063.871
82.00	0.061	1.0	0.0001	002.8005	000.3898	064.227
83.00	0.054	1.0	0.0001	002.4791	000.3021	064.539
84.00	0.047	1.0	0.0001	002.1578	000.2255	064.854
85.00	0.041	1.0	0.0001	001.8823	000.1641	065.125
86.00	0.035	1.0	0.0000	001.6068	000.1121	065.397
87.00	0.029	1.0	0.0000	001.3314	000.0697	065.670
88.00	0.024	1.0	0.0000	001.1018	000.0385	065.899
89.00	0.02	1.0	0.0000	000.9182	000.0160	066.082
90.00	0.016	1.0	0.0000	000.7346	000.0000	066.265