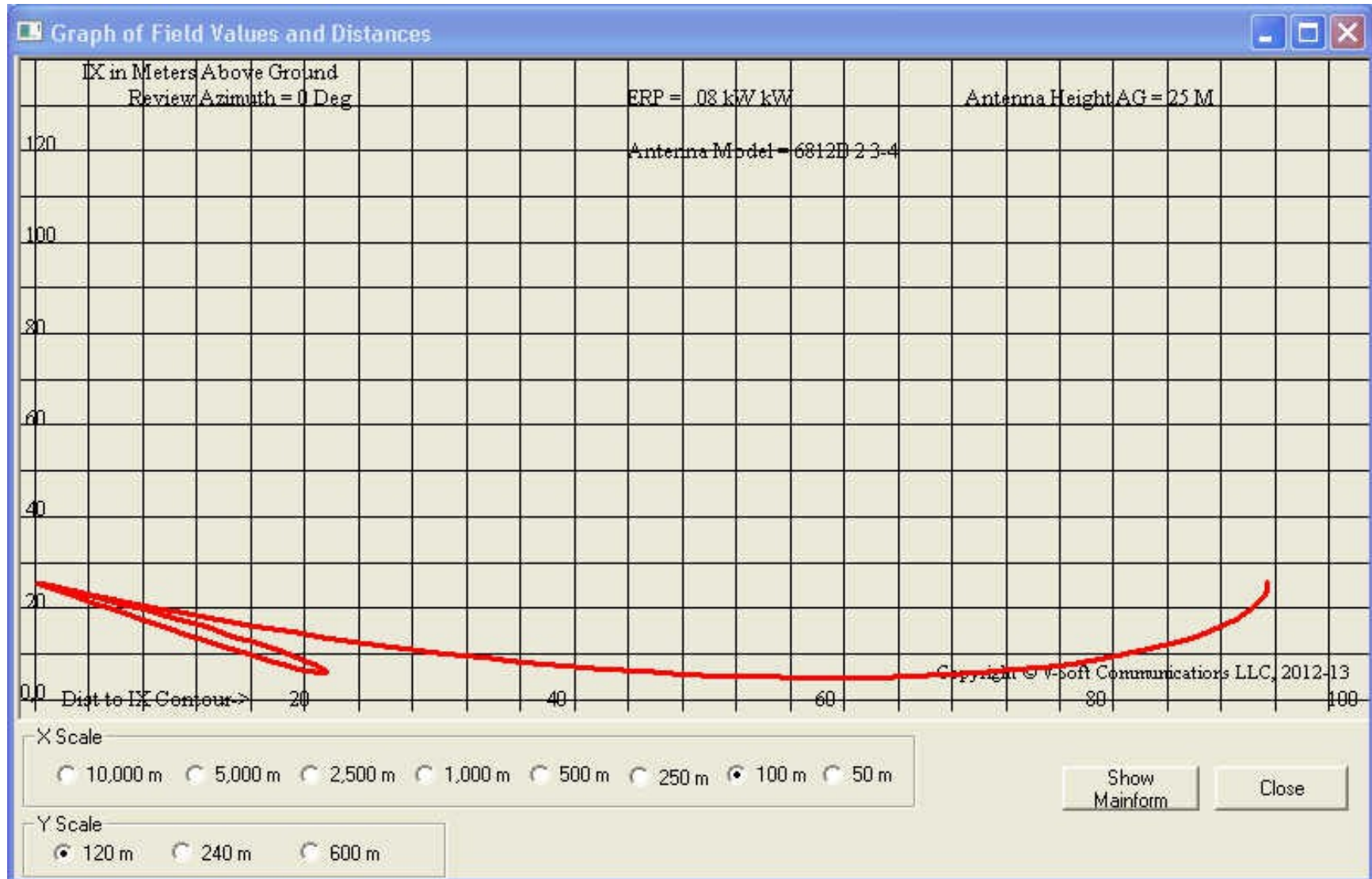


Technical Exhibit  
WILMINGTON, NC 219L

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, WHQR

Below is a graphic and tabular output showing the interfering 117 dB F(50,10) contour of the proposed facility, with respect to WHQR, which does not reach ground level. There are no tall buildings within this contour.



LPFM WILMINGTON, NC  
 Translator 74.1204(d) Showing  
 Translator Maximum Licensed ERP = 0.08  
 Translator Antenna Height AG = 25 Meters  
 LPFM Antenna Model = 6812B 2 3-4

Protected Station's Contour = 76.55319 dBu  
 Translator's full Interference contour 116.55319

Review Azimuth = 0 Degrees True  
 Horizontal Relative Field at Review Azimuth = 1.000  
 Horizontal Translator ERP at Review Azimuth = 0.08 kW  
 Distance between stations = 40.2  
 Protected Station= WHQR, 100 kW, 362 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw) Dep.	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	0.0800	093.3008	093.3008	025.000
01.00	0.999	1.0	0.0798	093.2075	093.1933	023.373
02.00	0.996	1.0	0.0794	092.9276	092.8710	021.757
03.00	0.991	1.0	0.0786	092.4611	092.3344	020.161
04.00	0.984	1.0	0.0775	091.8080	091.5844	018.596
05.00	0.975	1.0	0.0761	090.9683	090.6221	017.072
06.00	0.965	1.0	0.0745	090.0353	089.5421	015.589
07.00	0.952	1.0	0.0725	088.8224	088.1603	014.175
08.00	0.938	1.0	0.0704	087.5162	086.6645	012.820
09.00	0.922	1.0	0.0680	086.0234	084.9643	011.543
10.00	0.904	1.0	0.0654	084.3439	083.0626	010.354
11.00	0.884	1.0	0.0625	082.4779	080.9626	009.262
12.00	0.864	1.0	0.0597	080.6119	078.8504	008.240
13.00	0.841	1.0	0.0566	078.4660	076.4549	007.349
14.00	0.817	1.0	0.0534	076.2268	073.9625	006.559
15.00	0.792	1.0	0.0502	073.8943	071.3764	005.875
16.00	0.766	1.0	0.0469	071.4684	068.6999	005.301
17.00	0.739	1.0	0.0437	068.9493	065.9366	004.841
18.00	0.711	1.0	0.0404	066.3369	063.0901	004.501
19.00	0.682	1.0	0.0372	063.6312	060.1644	004.284

20.00	0.652	1.0	0.0340	060.8321	057.1635	004.194
21.00	0.621	1.0	0.0309	057.9398	054.0915	004.236
22.00	0.59	1.0	0.0278	055.0475	051.0391	004.379
23.00	0.558	1.0	0.0249	052.0619	047.9232	004.658
24.00	0.526	1.0	0.0221	049.0762	044.8334	005.039
25.00	0.494	1.0	0.0195	046.0906	041.7723	005.521
26.00	0.461	1.0	0.0170	043.0117	038.6586	006.145
27.00	0.429	1.0	0.0147	040.0261	035.6635	006.829
28.00	0.396	1.0	0.0125	036.9471	032.6224	007.654
29.00	0.364	1.0	0.0106	033.9615	029.7034	008.535
30.00	0.332	1.0	0.0088	030.9759	026.8259	009.512
31.00	0.3	1.0	0.0072	027.9902	023.9923	010.584
32.00	0.269	1.0	0.0058	025.0979	021.2842	011.700
33.00	0.238	1.0	0.0045	022.2056	018.6232	012.906
34.00	0.208	1.0	0.0035	019.4066	016.0888	014.148
35.00	0.178	1.0	0.0025	016.6075	013.6041	015.474
36.00	0.149	1.0	0.0018	013.9018	011.2468	016.829
37.00	0.121	1.0	0.0012	011.2894	009.0161	018.206
38.00	0.094	1.0	0.0007	008.7703	006.9111	019.600
39.00	0.068	1.0	0.0004	006.3445	004.9306	021.007
40.00	0.042	1.0	0.0001	003.9186	003.0018	022.481
41.00	0.018	1.0	0.0000	001.6794	001.2675	023.898
42.00	0.006	1.0	0.0000	000.5598	000.4160	024.625
43.00	0.028	1.0	0.0001	002.6124	001.9106	023.218
44.00	0.05	1.0	0.0002	004.6650	003.3557	021.759
45.00	0.07	1.0	0.0004	006.5311	004.6182	020.382
46.00	0.089	1.0	0.0006	008.3038	005.7683	019.027
47.00	0.107	1.0	0.0009	009.9832	006.8085	017.699
48.00	0.123	1.0	0.0012	011.4760	007.6789	016.472
49.00	0.139	1.0	0.0015	012.9688	008.5083	015.212
50.00	0.153	1.0	0.0019	014.2750	009.1758	014.065
51.00	0.166	1.0	0.0022	015.4879	009.7469	012.964
52.00	0.178	1.0	0.0025	016.6075	010.2246	011.913
53.00	0.189	1.0	0.0029	017.6339	010.6123	010.917
54.00	0.199	1.0	0.0032	018.5669	010.9133	009.979
55.00	0.208	1.0	0.0035	019.4066	011.1312	009.103
56.00	0.215	1.0	0.0037	020.0597	011.2172	008.370
57.00	0.221	1.0	0.0039	020.6195	011.2302	007.707
58.00	0.227	1.0	0.0041	021.1793	011.2233	007.039
59.00	0.231	1.0	0.0043	021.5525	011.1004	006.526

60.00	0.234	1.0	0.0044	021.8324	010.9162	006.093
61.00	0.236	1.0	0.0045	022.0190	010.6750	005.742
62.00	0.237	1.0	0.0045	022.1123	010.3811	005.476
63.00	0.237	1.0	0.0045	022.1123	010.0388	005.298
64.00	0.237	1.0	0.0045	022.1123	009.6934	005.126
65.00	0.235	1.0	0.0044	021.9257	009.2662	005.129
66.00	0.233	1.0	0.0043	021.7391	008.8421	005.140
67.00	0.229	1.0	0.0042	021.3659	008.3483	005.333
68.00	0.225	1.0	0.0040	020.9927	007.8640	005.536
69.00	0.22	1.0	0.0039	020.5262	007.3559	005.837
70.00	0.215	1.0	0.0037	020.0597	006.8608	006.150
71.00	0.209	1.0	0.0035	019.4999	006.3485	006.563
72.00	0.202	1.0	0.0033	018.8468	005.8240	007.076
73.00	0.194	1.0	0.0030	018.1004	005.2920	007.691
74.00	0.186	1.0	0.0028	017.3540	004.7834	008.318
75.00	0.178	1.0	0.0025	016.6075	004.2983	008.958
76.00	0.169	1.0	0.0023	015.7678	003.8146	009.701
77.00	0.159	1.0	0.0020	014.8348	003.3371	010.545
78.00	0.149	1.0	0.0018	013.9018	002.8904	011.402
79.00	0.138	1.0	0.0015	012.8755	002.4568	012.361
80.00	0.127	1.0	0.0013	011.8492	002.0576	013.331
81.00	0.116	1.0	0.0011	010.8229	001.6931	014.310
82.00	0.104	1.0	0.0009	009.7033	001.3504	015.391
83.00	0.092	1.0	0.0007	008.5837	001.0461	016.480
84.00	0.08	1.0	0.0005	007.4641	000.7802	017.577
85.00	0.068	1.0	0.0004	006.3445	000.5530	018.680
86.00	0.055	1.0	0.0002	005.1315	000.3580	019.881
87.00	0.042	1.0	0.0001	003.9186	000.2051	021.087
88.00	0.028	1.0	0.0001	002.6124	000.0912	022.389
89.00	0.015	1.0	0.0000	001.3995	000.0244	023.601
90.00	0.001	1.0	0.0000	000.0933	000.0000	024.907