

WZCS-LP Springfield, MA
 74.1204(d) Showing
 LPFM Maximum Licensed ERP = 0.1
 LPFM Antenna Height AG = 58 Meters
 WZCS-LP Antenna Model = 6812B 1F

Protected Station's Contour = 92.26178 dBu
 LPFM's full Interference contour 132.26178

Review Azimuth = 0 Degrees True
 Relative Field on the horizon at Review Azimuth = 1.000
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.1 kW
 Distance between stations = 9.7 km
 Protected Station= WAQY, 17 kW, 317 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.1000	017.0966	017.0966	058.000
01.00	1.0	1.0	0.1000	017.0966	017.0940	057.702
02.00	0.999	1.0	0.0998	017.0796	017.0691	057.404
03.00	0.999	1.0	0.0998	017.0796	017.0561	057.106
04.00	0.998	1.0	0.0996	017.0625	017.0209	056.810
05.00	0.996	1.0	0.0992	017.0283	016.9635	056.516
06.00	0.995	1.0	0.0990	017.0112	016.9180	056.222
07.00	0.993	1.0	0.0986	016.9770	016.8504	055.931
08.00	0.991	1.0	0.0982	016.9428	016.7779	055.642
09.00	0.988	1.0	0.0976	016.8915	016.6835	055.358
10.00	0.985	1.0	0.0970	016.8402	016.5844	055.076
11.00	0.982	1.0	0.0964	016.7889	016.4804	054.797
12.00	0.979	1.0	0.0958	016.7376	016.3719	054.520
13.00	0.975	1.0	0.0951	016.6692	016.2420	054.250
14.00	0.971	1.0	0.0943	016.6008	016.1077	053.984
15.00	0.967	1.0	0.0935	016.5325	015.9691	053.721
16.00	0.963	1.0	0.0927	016.4641	015.8263	053.462
17.00	0.958	1.0	0.0918	016.3786	015.6629	053.211
18.00	0.953	1.0	0.0908	016.2931	015.4957	052.965
19.00	0.948	1.0	0.0899	016.2076	015.3246	052.723
20.00	0.942	1.0	0.0887	016.1050	015.1338	052.492
21.00	0.936	1.0	0.0876	016.0025	014.9396	052.265
22.00	0.93	1.0	0.0865	015.8999	014.7421	052.044
23.00	0.924	1.0	0.0854	015.7973	014.5415	051.828
24.00	0.917	1.0	0.0841	015.6776	014.3222	051.623
25.00	0.91	1.0	0.0828	015.5580	014.1003	051.425
26.00	0.903	1.0	0.0815	015.4383	013.8758	051.232
27.00	0.895	1.0	0.0801	015.3015	013.6337	051.053
28.00	0.887	1.0	0.0787	015.1647	013.3897	050.881
29.00	0.879	1.0	0.0773	015.0280	013.1437	050.714
30.00	0.871	1.0	0.0759	014.8912	012.8961	050.554
31.00	0.862	1.0	0.0743	014.7373	012.6323	050.410
32.00	0.854	1.0	0.0729	014.6005	012.3820	050.263
33.00	0.845	1.0	0.0714	014.4467	012.1160	050.132

34.00	0.835	1.0	0.0697	014.2757	011.8351	050.017
35.00	0.826	1.0	0.0681	014.1133	011.5609	049.905
36.00	0.816	1.0	0.0666	013.9509	011.2865	049.800
37.00	0.806	1.0	0.0650	013.7799	011.0051	049.707
38.00	0.796	1.0	0.0634	013.6089	010.7240	049.622
39.00	0.785	1.0	0.0616	013.4209	010.4300	049.554
40.00	0.774	1.0	0.0599	013.2328	010.1369	049.494
41.00	0.763	1.0	0.0582	013.0447	009.8450	049.442
42.00	0.752	1.0	0.0566	012.8567	009.5544	049.397
43.00	0.741	1.0	0.0549	012.6686	009.2652	049.360
44.00	0.729	1.0	0.0531	012.4635	008.9655	049.342
45.00	0.717	1.0	0.0514	012.2583	008.6679	049.332
46.00	0.705	1.0	0.0497	012.0531	008.3728	049.330
47.00	0.693	1.0	0.0480	011.8480	008.0803	049.335
48.00	0.68	1.0	0.0462	011.6257	007.7791	049.360
49.00	0.667	1.0	0.0445	011.4035	007.4813	049.394
50.00	0.654	1.0	0.0428	011.1812	007.1871	049.435
51.00	0.641	1.0	0.0411	010.9590	006.8967	049.483
52.00	0.628	1.0	0.0394	010.7367	006.6102	049.539
53.00	0.614	1.0	0.0377	010.4973	006.3175	049.616
54.00	0.6	1.0	0.0360	010.2580	006.0295	049.701
55.00	0.586	1.0	0.0343	010.0186	005.7465	049.793
56.00	0.572	1.0	0.0327	009.7793	005.4685	049.893
57.00	0.558	1.0	0.0311	009.5399	005.1958	049.999
58.00	0.544	1.0	0.0296	009.3006	004.9286	050.113
59.00	0.529	1.0	0.0280	009.0441	004.6581	050.248
60.00	0.514	1.0	0.0264	008.7877	004.3938	050.390
61.00	0.499	1.0	0.0249	008.5312	004.1360	050.538
62.00	0.484	1.0	0.0234	008.2748	003.8848	050.694
63.00	0.469	1.0	0.0220	008.0183	003.6402	050.856
64.00	0.453	1.0	0.0205	007.7448	003.3951	051.039
65.00	0.437	1.0	0.0191	007.4712	003.1575	051.229
66.00	0.422	1.0	0.0178	007.2148	002.9345	051.409
67.00	0.406	1.0	0.0165	006.9412	002.7122	051.611
68.00	0.39	1.0	0.0152	006.6677	002.4978	051.818
69.00	0.373	1.0	0.0139	006.3771	002.2853	052.047
70.00	0.357	1.0	0.0127	006.1035	002.0875	052.265
71.00	0.341	1.0	0.0116	005.8300	001.8980	052.488
72.00	0.324	1.0	0.0105	005.5393	001.7117	052.732
73.00	0.307	1.0	0.0094	005.2487	001.5346	052.981
74.00	0.29	1.0	0.0084	004.9580	001.3666	053.234
75.00	0.273	1.0	0.0075	004.6674	001.2080	053.492
76.00	0.256	1.0	0.0066	004.3767	001.0588	053.753
77.00	0.239	1.0	0.0057	004.0861	000.9192	054.019
78.00	0.221	1.0	0.0049	003.7784	000.7856	054.304
79.00	0.204	1.0	0.0042	003.4877	000.6655	054.576
80.00	0.186	1.0	0.0035	003.1800	000.5522	054.868
81.00	0.168	1.0	0.0028	002.8722	000.4493	055.163
82.00	0.151	1.0	0.0023	002.5816	000.3593	055.444
83.00	0.133	1.0	0.0018	002.2739	000.2771	055.743
84.00	0.114	1.0	0.0013	001.9490	000.2037	056.062
85.00	0.096	1.0	0.0009	001.6413	000.1430	056.365
86.00	0.078	1.0	0.0006	001.3335	000.0930	056.670
87.00	0.059	1.0	0.0003	001.0087	000.0528	056.993

88.00	0.04	1.0	0.0002	000.6839	000.0239	057.317
89.00	0.021	1.0	0.0000	000.3590	000.0063	057.641
90.00	0.0	1.0	0.0000	000.0017	000.0000	057.998

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