

XField.out

W297BJ New Tuscaloosa, AL
 74.1204(d) Showing
 Translator or LPFM Maximum Licensed ERP = 0.17
 Translator or LPFM Antenna Height AG = 129 Meters
 W297BJ New Antenna Model = PSIFML-4 4 3 WAVE

Protected Station's Contour = 62.66143 dBu
 Translator's or LPFM's full Interference contour 102.66143

Review Azimuth = 0 Degrees True
 Relative Field on the horizon at Review Azimuth = 1.000
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.17 kW
 Distance between stations = 75.0 km
 Protected Station= WBPT, 100 kW, 597 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	0.1700	673.2137	673.2137	129.000
01.00	0.979	1.0	0.1629	658.9416	658.8412	117.500
02.00	0.958	1.0	0.1559	644.6695	644.2767	106.501
03.00	0.936	1.0	0.1491	630.3973	629.5334	096.008
04.00	0.915	1.0	0.1424	616.1252	614.6243	086.021
05.00	0.894	1.0	0.1359	601.8531	599.5628	076.545
06.00	0.839	1.0	0.1196	564.5570	561.4643	069.988
07.00	0.783	1.0	0.1043	527.2610	523.3308	064.743
08.00	0.728	1.0	0.0900	489.9650	485.1967	060.810
09.00	0.672	1.0	0.0769	452.6689	447.0958	058.187
10.00	0.617	1.0	0.0647	415.3729	409.0624	056.871
11.00	0.551	1.0	0.0517	371.0904	364.2724	058.193
12.00	0.485	1.0	0.0401	326.8079	319.6663	061.053
13.00	0.42	1.0	0.0299	282.5253	275.2842	065.446
14.00	0.354	1.0	0.0213	238.2428	231.1660	071.364
15.00	0.288	1.0	0.0141	193.9603	187.3513	078.799
16.00	0.222	1.0	0.0084	149.6778	143.8796	087.743
17.00	0.157	1.0	0.0042	105.3953	100.7901	098.185
18.00	0.091	1.0	0.0014	061.1128	058.1218	110.115
19.00	0.025	1.0	0.0001	016.8303	015.9134	123.521
20.00	0.027	1.0	0.0001	018.1768	017.0806	122.783
21.00	0.062	1.0	0.0006	041.6046	038.8412	114.090
22.00	0.097	1.0	0.0016	065.0325	060.2970	104.638
23.00	0.131	1.0	0.0029	088.4603	081.4281	094.436
24.00	0.166	1.0	0.0047	111.8881	102.2149	083.491
25.00	0.201	1.0	0.0069	135.3160	122.6379	071.813
26.00	0.216	1.0	0.0079	145.0776	130.3948	065.402
27.00	0.23	1.0	0.0090	154.8392	137.9627	058.704

28.00	0.237	1.0	0.0095	XFi el d. out 159.5517	140.8757	054.095
29.00	0.238	1.0	0.0096	160.2249	140.1358	051.321
30.00	0.234	1.0	0.0093	157.5320	136.4267	050.234
31.00	0.219	1.0	0.0082	147.7031	126.6063	052.927
32.00	0.205	1.0	0.0071	137.8742	116.9239	055.938
33.00	0.19	1.0	0.0061	128.0453	107.3878	059.262
34.00	0.176	1.0	0.0052	118.2163	098.0058	062.894
35.00	0.161	1.0	0.0044	108.3874	088.7858	066.832
36.00	0.137	1.0	0.0032	092.4996	074.8337	074.630
37.00	0.114	1.0	0.0022	076.6117	061.1848	082.894
38.00	0.09	1.0	0.0014	060.7239	047.8511	091.615
39.00	0.067	1.0	0.0008	044.8360	034.8441	100.784
40.00	0.043	1.0	0.0003	028.9482	022.1756	110.392
41.00	0.018	1.0	0.0001	012.1178	009.1455	121.050
42.00	0.004	1.0	0.0000	002.6929	002.0012	127.198
43.00	0.02	1.0	0.0001	013.5484	009.9087	119.760
44.00	0.036	1.0	0.0002	024.4040	017.5548	112.048
45.00	0.052	1.0	0.0005	035.2596	024.9323	104.068
46.00	0.069	1.0	0.0008	046.1151	032.0343	095.828
47.00	0.085	1.0	0.0012	056.9707	038.8539	087.334
48.00	0.101	1.0	0.0017	067.8263	045.3846	078.595
49.00	0.117	1.0	0.0023	078.6819	051.6199	069.618
50.00	0.133	1.0	0.0030	089.5374	057.5535	060.410
51.00	0.14	1.0	0.0033	093.9133	059.1016	056.016
52.00	0.146	1.0	0.0036	098.2892	060.5129	051.547
53.00	0.148	1.0	0.0037	099.6356	059.9622	049.427
54.00	0.15	1.0	0.0038	100.9821	059.3558	047.304
55.00	0.152	1.0	0.0039	102.3285	058.6932	045.177
56.00	0.15	1.0	0.0038	100.9821	056.4685	045.282
57.00	0.148	1.0	0.0037	099.6356	054.2655	045.439
58.00	0.141	1.0	0.0034	094.9231	050.3016	048.501
59.00	0.134	1.0	0.0031	090.2106	046.4619	051.674
60.00	0.127	1.0	0.0027	085.4981	042.7491	054.956
61.00	0.12	1.0	0.0024	080.7857	039.1657	058.343
62.00	0.113	1.0	0.0022	076.0732	035.7142	061.831
63.00	0.106	1.0	0.0019	071.3607	032.3971	065.417
64.00	0.099	1.0	0.0017	066.6482	029.2166	069.097
65.00	0.092	1.0	0.0014	061.9357	026.1751	072.867
66.00	0.085	1.0	0.0012	057.2232	023.2748	076.724
67.00	0.078	1.0	0.0010	052.5107	020.5176	080.664
68.00	0.071	1.0	0.0009	047.7982	017.9055	084.682
69.00	0.064	1.0	0.0007	043.0857	015.4405	088.776
70.00	0.057	1.0	0.0006	038.3732	013.1244	092.941
71.00	0.052	1.0	0.0005	035.0744	011.4191	095.836
72.00	0.047	1.0	0.0004	031.7757	009.8192	098.780
73.00	0.042	1.0	0.0003	028.4769	008.3259	101.767
74.00	0.037	1.0	0.0002	025.1782	006.9401	104.797
75.00	0.033	1.0	0.0002	021.8794	005.6628	107.866

				XFi el d. out		
76. 00	0. 028	1. 0	0. 0001	018. 5807	004. 4951	110. 971
77. 00	0. 023	1. 0	0. 0001	015. 2820	003. 4377	114. 110
78. 00	0. 018	1. 0	0. 0001	011. 9832	002. 4914	117. 279
79. 00	0. 013	1. 0	0. 0000	008. 6845	001. 6571	120. 475
80. 00	0. 008	1. 0	0. 0000	005. 3857	000. 9352	123. 696
81. 00	0. 007	1. 0	0. 0000	004. 9145	000. 7688	124. 146
82. 00	0. 007	1. 0	0. 0000	004. 4432	000. 6184	124. 600
83. 00	0. 006	1. 0	0. 0000	003. 9720	000. 4841	125. 058
84. 00	0. 005	1. 0	0. 0000	003. 5007	000. 3659	125. 518
85. 00	0. 005	1. 0	0. 0000	003. 0295	000. 2640	125. 982
86. 00	0. 004	1. 0	0. 0000	002. 5582	000. 1785	126. 448
87. 00	0. 003	1. 0	0. 0000	002. 0870	000. 1092	126. 916
88. 00	0. 002	1. 0	0. 0000	001. 6157	000. 0564	127. 385
89. 00	0. 002	1. 0	0. 0000	001. 1445	000. 0200	127. 856
90. 00	0. 001	1. 0	0. 0000	000. 6732	000. 0000	128. 327

X- Fi el d™ By V- Soft Communi cati ons®LLC