



WPLX-LP Pelham, AL
 74.1204(d) Showing
 Translator or LPFM Maximum Licensed ERP = 0.05
 Translator or LPFM Antenna Height AG = 15.2 Meters
 WPLX-LP Antenna Model = BEXT TFC2K VERT 2 BAY 3-4 WAVE

Protected Station's Contour = 91.32133 dBu
 Translator's or LPFM's full Interference contour 131.32133

Review Azimuth = 0 Degrees True
 Relative Field on the horizon at Review Azimuth = 1.000
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.05 kW
 Distance between stations = 16.4 km
 Protected Station= WDJC-F, 100 kW, 463 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)
00.0	1.0	1.0	0.0500	013.4716	013.4716	015.200
01.0	0.990	1.0	0.0490	013.3369	013.3348	014.967
02.0	0.980	1.0	0.0480	013.2021	013.1941	014.739
03.0	0.970	1.0	0.0470	013.0674	013.0495	014.516
04.0	0.960	1.0	0.0461	012.9327	012.9012	014.298
05.0	0.950	1.0	0.0451	012.7980	012.7493	014.085
06.0	0.927	1.0	0.0430	012.4908	012.4224	013.894
07.0	0.904	1.0	0.0409	012.1837	012.0929	013.715
08.0	0.882	1.0	0.0389	011.8765	011.7610	013.547
09.0	0.859	1.0	0.0369	011.5694	011.4270	013.390
10.0	0.836	1.0	0.0349	011.2622	011.0911	013.244
11.0	0.808	1.0	0.0326	010.8796	010.6798	013.124
12.0	0.779	1.0	0.0304	010.4971	010.2677	013.018
13.0	0.751	1.0	0.0282	010.1145	009.8552	012.925
14.0	0.722	1.0	0.0261	009.7319	009.4428	012.846
15.0	0.694	1.0	0.0241	009.3493	009.0307	012.780
16.0	0.664	1.0	0.0221	008.9478	008.6012	012.734
17.0	0.634	1.0	0.0201	008.5464	008.1729	012.701
18.0	0.605	1.0	0.0183	008.1449	007.7463	012.683
19.0	0.575	1.0	0.0165	007.7435	007.3216	012.679
20.0	0.545	1.0	0.0149	007.3420	006.8992	012.689
21.0	0.514	1.0	0.0132	006.9190	006.4594	012.720
22.0	0.482	1.0	0.0116	006.4960	006.0230	012.767
23.0	0.451	1.0	0.0102	006.0730	005.5902	012.827

24.0	0.419	1.0	0.0088	005.6500	005.1615	012.902
25.0	0.388	1.0	0.0075	005.2270	004.7372	012.991
26.0	0.354	1.0	0.0063	004.7636	004.2815	013.112
27.0	0.319	1.0	0.0051	004.3001	003.8314	013.248
28.0	0.285	1.0	0.0041	003.8367	003.3876	013.399
29.0	0.250	1.0	0.0031	003.3733	002.9503	013.565
30.0	0.216	1.0	0.0023	002.9099	002.5200	013.745
31.0	0.180	1.0	0.0016	002.4195	002.0739	013.954
32.0	0.143	1.0	0.0010	001.9291	001.6360	014.178
33.0	0.107	1.0	0.0006	001.4388	001.2066	014.416
34.0	0.070	1.0	0.0002	000.9484	000.7863	014.670
35.0	0.034	1.0	0.0001	000.4580	000.3752	014.937
36.0	0.052	1.0	0.0001	000.6951	000.5624	014.791
37.0	0.069	1.0	0.0002	000.9322	000.7445	014.639
38.0	0.087	1.0	0.0004	001.1693	000.9214	014.480
39.0	0.104	1.0	0.0005	001.4064	001.0930	014.315
40.0	0.122	1.0	0.0007	001.6435	001.2590	014.144
41.0	0.144	1.0	0.0010	001.9453	001.4681	013.924
42.0	0.167	1.0	0.0014	002.2471	001.6699	013.696
43.0	0.189	1.0	0.0018	002.5488	001.8641	013.462
44.0	0.212	1.0	0.0022	002.8506	002.0505	013.220
45.0	0.234	1.0	0.0027	003.1523	002.2290	012.971
46.0	0.246	1.0	0.0030	003.3086	002.2984	012.820
47.0	0.257	1.0	0.0033	003.4649	002.3630	012.666
48.0	0.269	1.0	0.0036	003.6212	002.4230	012.509
49.0	0.280	1.0	0.0039	003.7774	002.4782	012.349
50.0	0.292	1.0	0.0043	003.9337	002.5285	012.187
51.0	0.296	1.0	0.0044	003.9930	002.5129	012.097
52.0	0.301	1.0	0.0045	004.0523	002.4948	012.007
53.0	0.303	1.0	0.0046	004.0846	002.4582	011.938
54.0	0.304	1.0	0.0046	004.0900	002.4040	011.891
55.0	0.304	1.0	0.0046	004.0954	002.3490	011.845
56.0	0.300	1.0	0.0045	004.0442	002.2615	011.847
57.0	0.296	1.0	0.0044	003.9930	002.1747	011.851
58.0	0.293	1.0	0.0043	003.9418	002.0888	011.857
59.0	0.289	1.0	0.0042	003.8906	002.0038	011.865
60.0	0.285	1.0	0.0041	003.8394	001.9197	011.875
61.0	0.278	1.0	0.0039	003.7451	001.8157	011.924
62.0	0.271	1.0	0.0037	003.6508	001.7139	011.977
63.0	0.264	1.0	0.0035	003.5565	001.6146	012.031
64.0	0.257	1.0	0.0033	003.4622	001.5177	012.088
65.0	0.250	1.0	0.0031	003.3679	001.4233	012.148
66.0	0.242	1.0	0.0029	003.2570	001.3247	012.225
67.0	0.234	1.0	0.0027	003.1460	001.2292	012.304
68.0	0.225	1.0	0.0025	003.0351	001.1370	012.386
69.0	0.217	1.0	0.0024	002.9241	001.0479	012.470
70.0	0.209	1.0	0.0022	002.8132	000.9622	012.556
71.0	0.200	1.0	0.0020	002.6957	000.8776	012.651
72.0	0.191	1.0	0.0018	002.5775	000.7965	012.749
73.0	0.183	1.0	0.0017	002.4593	000.7190	012.848
74.0	0.174	1.0	0.0015	002.3410	000.6453	012.950
75.0	0.165	1.0	0.0014	002.2228	000.5753	013.053
76.0	0.155	1.0	0.0012	002.0907	000.5058	013.171
77.0	0.145	1.0	0.0011	001.9587	000.4406	013.292
78.0	0.136	1.0	0.0009	001.8266	000.3798	013.413
79.0	0.126	1.0	0.0008	001.6945	000.3233	013.537
80.0	0.116	1.0	0.0007	001.5624	000.2713	013.661
81.0	0.107	1.0	0.0006	001.4465	000.2263	013.771
82.0	0.099	1.0	0.0005	001.3324	000.1854	013.881
83.0	0.090	1.0	0.0004	001.2184	000.1485	013.991
84.0	0.082	1.0	0.0003	001.1043	000.1154	014.102
85.0	0.074	1.0	0.0003	000.9902	000.0863	014.214
86.0	0.065	1.0	0.0002	000.8761	000.0611	014.326
87.0	0.057	1.0	0.0002	000.7620	000.0399	014.439
88.0	0.048	1.0	0.0001	000.6479	000.0226	014.553
89.0	0.040	1.0	0.0001	000.5338	000.0093	014.666
90.0	0.040	1.0	0.0001	000.5338	000.0000	014.666