

W297BJ Tuscaloosa, AL

74.1204(d) Showing

Translator or LPFM Maximum Licensed ERP = 0.25

Translator or LPFM Antenna Height AG = 136 Meters

W297BJ Antenna Model = BEXT TFC2K 4 BAY 3 4 WAVE

Protected Station's Contour = 64.91446 dBu

Translator's or LPFM's full Interference contour 104.91446

Review Azimuth = 0 Degrees True

Relative Field on the horizon at Review Azimuth = 1.000

Translator/LPFM ERP on the horizon at Review Azimuth = 0.25 kW

Distance between stations = 70.2 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	0.2500	629.8643	629.8643	136.000
01.00	0.987	1.0	0.2433	621.3612	621.2665	125.156
02.00	0.973	1.0	0.2367	612.8580	612.4846	114.612
03.00	0.937	1.0	0.2193	589.8679	589.0595	105.129
04.00	0.9	1.0	0.2025	566.8779	565.4970	096.457
05.00	0.843	1.0	0.1778	531.1856	529.1642	089.704
06.00	0.787	1.0	0.1547	495.4933	492.7789	084.207
07.00	0.72	1.0	0.1294	453.1874	449.8094	080.770
08.00	0.651	1.0	0.1060	410.0989	406.1079	078.925
09.00	0.582	1.0	0.0847	366.5810	362.0678	078.654
10.00	0.503	1.0	0.0633	316.8218	312.0085	080.984
11.00	0.424	1.0	0.0449	267.0625	262.1558	085.042
12.00	0.345	1.0	0.0298	217.3032	212.5546	090.820
13.00	0.273	1.0	0.0186	172.0130	167.6043	097.306
14.00	0.201	1.0	0.0101	126.7227	122.9585	105.343
15.00	0.134	1.0	0.0045	084.4018	081.5259	114.155
16.00	0.068	1.0	0.0012	043.1215	041.4510	124.114
17.00	0.013	1.0	0.0000	008.2367	007.8768	133.592
18.00	0.043	1.0	0.0005	026.9582	025.6387	127.669
19.00	0.094	1.0	0.0022	059.0812	055.8624	116.765
20.00	0.132	1.0	0.0043	082.9621	077.9589	107.625
21.00	0.166	1.0	0.0069	104.7824	097.8228	098.449
22.00	0.201	1.0	0.0101	126.6027	117.3840	088.574
23.00	0.219	1.0	0.0119	137.7003	126.7538	082.196
24.00	0.236	1.0	0.0140	148.7979	135.9337	075.478
25.00	0.242	1.0	0.0146	152.2946	138.0257	071.638
26.00	0.246	1.0	0.0151	154.9466	139.2651	068.076
27.00	0.235	1.0	0.0138	147.9964	131.8658	068.811
28.00	0.224	1.0	0.0125	141.0462	124.5364	069.783
29.00	0.212	1.0	0.0112	133.5312	116.7890	071.263
30.00	0.192	1.0	0.0092	120.9339	104.7319	075.533
31.00	0.162	1.0	0.0066	102.2480	087.6436	083.338
32.00	0.133	1.0	0.0044	083.5620	070.8646	091.719
33.00	0.103	1.0	0.0027	064.8760	054.4096	100.666
34.00	0.07	1.0	0.0012	044.1514	036.6032	111.311
35.00	0.037	1.0	0.0003	023.4269	019.1902	122.563
36.00	0.004	1.0	0.0000	002.7023	002.1862	134.412
37.00	0.03	1.0	0.0002	018.8959	015.0910	124.628
38.00	0.062	1.0	0.0010	038.8599	030.6220	112.075
39.00	0.089	1.0	0.0020	055.8388	043.3949	100.859
40.00	0.116	1.0	0.0033	072.8178	055.7817	089.194
41.00	0.131	1.0	0.0043	082.7455	062.4488	081.714
42.00	0.144	1.0	0.0052	090.9104	067.5596	075.169
43.00	0.157	1.0	0.0062	099.0753	072.4591	068.431
44.00	0.17	1.0	0.0072	107.2402	077.1422	061.505
45.00	0.183	1.0	0.0084	115.4051	081.6038	054.396
46.00	0.191	1.0	0.0092	120.5560	083.7453	049.279
47.00	0.189	1.0	0.0090	119.3243	081.3790	048.732
48.00	0.183	1.0	0.0084	115.3002	077.1509	050.315
49.00	0.177	1.0	0.0078	111.2760	073.0036	052.019
50.00	0.17	1.0	0.0072	107.2519	068.9402	053.840
51.00	0.158	1.0	0.0062	099.5517	062.6499	058.634
52.00	0.144	1.0	0.0052	090.9325	055.9836	064.344
53.00	0.131	1.0	0.0043	082.3133	049.5374	070.262

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54.00	0.117	1.0	0.0034	073.6941	043.3163	076.380
55.00	0.102	1.0	0.0026	064.0039	036.7111	083.571
56.00	0.086	1.0	0.0019	054.3137	030.3718	090.972
57.00	0.071	1.0	0.0013	044.6235	024.3037	098.576
58.00	0.056	1.0	0.0008	034.9575	018.5246	106.354
59.00	0.041	1.0	0.0004	025.5095	013.1384	114.134
60.00	0.026	1.0	0.0002	016.1827	008.0913	121.985
61.00	0.013	1.0	0.0000	007.9460	003.8523	129.050
62.00	0.001	1.0	0.0000	000.6299	000.2957	135.444
63.00	0.012	1.0	0.0000	007.2434	003.2885	129.546
64.00	0.022	1.0	0.0001	013.8570	006.0745	123.545
65.00	0.03	1.0	0.0002	019.0104	008.0342	118.771
66.00	0.038	1.0	0.0004	024.1639	009.8283	113.925
67.00	0.047	1.0	0.0005	029.3173	011.4552	109.013
68.00	0.052	1.0	0.0007	033.0679	012.3874	105.340
69.00	0.057	1.0	0.0008	036.2172	012.9791	102.188
70.00	0.062	1.0	0.0010	039.2141	013.4120	099.151
71.00	0.065	1.0	0.0011	040.8396	013.2961	097.385
72.00	0.067	1.0	0.0011	042.4650	013.1224	095.613
73.00	0.07	1.0	0.0012	044.0905	012.8908	093.836
74.00	0.071	1.0	0.0012	044.4054	012.2398	093.315
75.00	0.071	1.0	0.0013	044.7204	011.5745	092.803
76.00	0.07	1.0	0.0012	043.8206	010.6012	093.481
77.00	0.068	1.0	0.0012	042.9208	009.6551	094.179
78.00	0.066	1.0	0.0011	041.3191	008.5907	095.584
79.00	0.063	1.0	0.0010	039.6395	007.5636	097.089
80.00	0.06	1.0	0.0009	037.9598	006.5917	098.617
81.00	0.056	1.0	0.0008	035.2151	005.5089	101.218
82.00	0.051	1.0	0.0007	032.3521	004.5025	103.963
83.00	0.047	1.0	0.0005	029.4891	003.5938	106.731
84.00	0.042	1.0	0.0004	026.6261	002.7832	109.520
85.00	0.037	1.0	0.0003	023.4310	002.0421	112.658
86.00	0.032	1.0	0.0002	019.9037	001.3884	116.145
87.00	0.026	1.0	0.0002	016.3765	000.8571	119.646
88.00	0.022	1.0	0.0001	014.0861	000.4916	121.923
89.00	0.02	1.0	0.0001	012.3652	000.2158	123.637
90.00	0.017	1.0	0.0001	010.7077	000.0000	125.292

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