

Figure 2-1

K248BL Billings, MT
 74.1204(d) Showing
 Translator or LPFM Maximum Licensed ERP = 0.25
 Translator or LPFM Antenna Height AG = 57.9 Meters
 K248BL Antenna Model = PSI FML 1

Protected Station's Contour = 122.8152 dBu
 Translator's or LPFM's full Interference contour 162.8152

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 = 0.8 km
 Protected Station= KKBR, 28 kW, 1172 M Meters COR AMSL

Depression Height IX Angle From	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Above
Horizon(Deg) Ground (m)						
00.00	1.0	1.0	0.2500	000.8021	000.8021	
057.900						
01.00	1.0	1.0	0.2500	000.8021	000.8019	
057.886						
02.00	0.999	1.0	0.2495	000.8013	000.8008	
057.872						
03.00	0.998	1.0	0.2490	000.8005	000.7994	
057.858						
04.00	0.997	1.0	0.2485	000.7997	000.7977	
057.844						
05.00	0.996	1.0	0.2480	000.7989	000.7958	
057.830						
06.00	0.994	1.0	0.2470	000.7973	000.7929	
057.817						
07.00	0.992	1.0	0.2460	000.7956	000.7897	
057.803						
08.00	0.99	1.0	0.2450	000.7940	000.7863	
057.789						
09.00	0.988	1.0	0.2440	000.7924	000.7827	
057.776						
10.00	0.985	1.0	0.2426	000.7900	000.7780	
057.763						
11.00	0.982	1.0	0.2411	000.7876	000.7732	
057.750						
12.00	0.978	1.0	0.2391	000.7844	000.7673	
057.737						
13.00	0.974	1.0	0.2372	000.7812	000.7612	
057.724						
14.00	0.97	1.0	0.2352	000.7780	000.7549	
057.712						
15.00	0.966	1.0	0.2333	000.7748	000.7484	
057.699						
16.00	0.961	1.0	0.2309	000.7708	000.7409	
057.688						
17.00	0.956	1.0	0.2285	000.7668	000.7333	
057.676						
18.00	0.951	1.0	0.2261	000.7628	000.7254	
057.664						
19.00	0.954	1.0	0.2275	000.7652	000.7235	
057.651						
20.00	0.94	1.0	0.2209	000.7539	000.7085	
057.642						
21.00	0.933	1.0	0.2176	000.7483	000.6986	
057.632						
22.00	0.927	1.0	0.2148	000.7435	000.6894	
057.621						
23.00	0.92	1.0	0.2116	000.7379	000.6792	
057.612						

Figure 2-1

24.00	0.913	1.0	0.2084	000.7323	000.6690
057.602					
25.00	0.906	1.0	0.2052	000.7267	000.6586
057.593					
26.00	0.899	1.0	0.2021	000.7211	000.6481
057.584					
27.00	0.891	1.0	0.1985	000.7146	000.6367
057.576					
28.00	0.883	1.0	0.1949	000.7082	000.6253
057.568					
29.00	0.875	1.0	0.1914	000.7018	000.6138
057.560					
30.00	0.866	1.0	0.1875	000.6946	000.6015
057.553					
31.00	0.857	1.0	0.1836	000.6874	000.5892
057.546					
32.00	0.848	1.0	0.1798	000.6802	000.5768
057.540					
33.00	0.839	1.0	0.1760	000.6729	000.5644
057.533					
34.00	0.829	1.0	0.1718	000.6649	000.5512
057.528					
35.00	0.819	1.0	0.1677	000.6569	000.5381
057.523					
36.00	0.809	1.0	0.1636	000.6489	000.5249
057.519					
37.00	0.798	1.0	0.1592	000.6400	000.5112
057.515					
38.00	0.788	1.0	0.1552	000.6320	000.4980
057.511					
39.00	0.777	1.0	0.1509	000.6232	000.4843
057.508					
40.00	0.766	1.0	0.1467	000.6144	000.4706
057.505					
41.00	0.755	1.0	0.1425	000.6056	000.4570
057.503					
42.00	0.743	1.0	0.1380	000.5959	000.4429
057.501					
43.00	0.731	1.0	0.1336	000.5863	000.4288
057.500					
44.00	0.719	1.0	0.1292	000.5767	000.4148
057.499					
45.00	0.707	1.0	0.1250	000.5671	000.4010
057.499					
46.00	0.695	1.0	0.1208	000.5574	000.3872
057.499					
47.00	0.682	1.0	0.1163	000.5470	000.3731
057.500					
48.00	0.669	1.0	0.1119	000.5366	000.3590
057.501					
49.00	0.656	1.0	0.1076	000.5262	000.3452
057.503					
50.00	0.643	1.0	0.1034	000.5157	000.3315
057.505					
51.00	0.629	1.0	0.0989	000.5045	000.3175
057.508					
52.00	0.616	1.0	0.0949	000.4941	000.3042
057.511					
53.00	0.602	1.0	0.0906	000.4828	000.2906
057.514					
54.00	0.588	1.0	0.0864	000.4716	000.2772
057.518					
55.00	0.573	1.0	0.0821	000.4596	000.2636
057.524					
56.00	0.559	1.0	0.0781	000.4484	000.2507
057.528					
57.00	0.545	1.0	0.0743	000.4371	000.2381
057.533					
58.00	0.53	1.0	0.0702	000.4251	000.2253
057.539					
59.00	0.515	1.0	0.0663	000.4131	000.2127

Figure 2-1

057. 546					
60. 00	0. 5	1. 0	0. 0625	000. 4010	000. 2005
057. 553					
61. 00	0. 485	1. 0	0. 0588	000. 3890	000. 1886
057. 560					
62. 00	0. 469	1. 0	0. 0550	000. 3762	000. 1766
057. 568					
63. 00	0. 454	1. 0	0. 0515	000. 3641	000. 1653
057. 576					
64. 00	0. 438	1. 0	0. 0480	000. 3513	000. 1540
057. 584					
65. 00	0. 432	1. 0	0. 0467	000. 3465	000. 1464
057. 586					
66. 00	0. 407	1. 0	0. 0414	000. 3264	000. 1328
057. 602					
67. 00	0. 391	1. 0	0. 0382	000. 3136	000. 1225
057. 611					
68. 00	0. 375	1. 0	0. 0352	000. 3008	000. 1127
057. 621					
69. 00	0. 358	1. 0	0. 0320	000. 2871	000. 1029
057. 632					
70. 00	0. 342	1. 0	0. 0292	000. 2743	000. 0938
057. 642					
71. 00	0. 325	1. 0	0. 0264	000. 2607	000. 0849
057. 654					
72. 00	0. 309	1. 0	0. 0239	000. 2478	000. 0766
057. 664					
73. 00	0. 292	1. 0	0. 0213	000. 2342	000. 0685
057. 676					
74. 00	0. 276	1. 0	0. 0190	000. 2214	000. 0610
057. 687					
75. 00	0. 259	1. 0	0. 0168	000. 2077	000. 0538
057. 699					
76. 00	0. 242	1. 0	0. 0146	000. 1941	000. 0470
057. 712					
77. 00	0. 225	1. 0	0. 0127	000. 1805	000. 0406
057. 724					
78. 00	0. 208	1. 0	0. 0108	000. 1668	000. 0347
057. 737					
79. 00	0. 191	1. 0	0. 0091	000. 1532	000. 0292
057. 750					
80. 00	0. 174	1. 0	0. 0076	000. 1396	000. 0242
057. 763					
81. 00	0. 156	1. 0	0. 0061	000. 1251	000. 0196
057. 776					
82. 00	0. 139	1. 0	0. 0048	000. 1115	000. 0155
057. 790					
83. 00	0. 122	1. 0	0. 0037	000. 0979	000. 0119
057. 803					
84. 00	0. 104	1. 0	0. 0027	000. 0834	000. 0087
057. 817					
85. 00	0. 087	1. 0	0. 0019	000. 0698	000. 0061
057. 830					
86. 00	0. 07	1. 0	0. 0012	000. 0561	000. 0039
057. 844					
87. 00	0. 052	1. 0	0. 0007	000. 0417	000. 0022
057. 858					
88. 00	0. 035	1. 0	0. 0003	000. 0281	000. 0010
057. 872					
89. 00	0. 017	1. 0	0. 0001	000. 0136	000. 0002
057. 886					
90. 00	0. 001	1. 0	0. 0000	000. 0008	000. 0000
057. 899					