

DI SPLAY DATES
DATA 05-19-15
SEARCH 05-19-15

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= West Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding. Call signs with strikeout need not be protected.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni) , Polarization (C,H,V,E), Beamtilt(Y,N,X)
***affixed to 'IN' or 'OUT' values = site inside restricted contour.

K248BL Billings, MT
 74.1204(d) Showing
 Translator Maximum Licensed ERP = 0.25
 Translator Antenna Height AG = 57.9 Meters
 K248BL Antenna Model = BKG77

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 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 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	000.8021	000.8021	057.900
01.00	1.0	1.0	0.2500	000.8021	000.8019	057.886
02.00	1.0	1.0	0.2500	000.8021	000.8016	057.872
03.00	0.999	1.0	0.2495	000.8013	000.8002	057.858
04.00	0.999	1.0	0.2495	000.8013	000.7993	057.844
05.00	0.999	1.0	0.2495	000.8013	000.7982	057.830
06.00	0.999	1.0	0.2495	000.8013	000.7969	057.816
07.00	0.995	1.0	0.2475	000.7981	000.7921	057.803
08.00	0.991	1.0	0.2455	000.7948	000.7871	057.789
09.00	0.987	1.0	0.2435	000.7916	000.7819	057.776
10.00	0.982	1.0	0.2411	000.7876	000.7757	057.763
11.00	0.977	1.0	0.2386	000.7836	000.7692	057.750
12.00	0.972	1.0	0.2362	000.7796	000.7626	057.738
13.00	0.966	1.0	0.2333	000.7748	000.7549	057.726
14.00	0.96	1.0	0.2304	000.7700	000.7471	057.714
15.00	0.954	1.0	0.2275	000.7652	000.7391	057.702
16.00	0.947	1.0	0.2242	000.7596	000.7301	057.691
17.00	0.941	1.0	0.2214	000.7547	000.7218	057.679
18.00	0.934	1.0	0.2181	000.7491	000.7125	057.669
19.00	0.926	1.0	0.2144	000.7427	000.7022	057.658
20.00	0.918	1.0	0.2107	000.7363	000.6919	057.648
21.00	0.91	1.0	0.2070	000.7299	000.6814	057.638
22.00	0.90	1.0	0.2025	000.7219	000.6693	057.630
23.00	0.891	1.0	0.1985	000.7146	000.6578	057.621
24.00	0.881	1.0	0.1940	000.7066	000.6455	057.613
25.00	0.872	1.0	0.1901	000.6994	000.6339	057.604
26.00	0.862	1.0	0.1858	000.6914	000.6214	057.597
27.00	0.852	1.0	0.1815	000.6834	000.6089	057.590
28.00	0.84	1.0	0.1764	000.6737	000.5949	057.584
29.00	0.829	1.0	0.1718	000.6649	000.5815	057.578

30.00	0.818	1.0	0.1673	000.6561	000.5682	057.572
31.00	0.806	1.0	0.1624	000.6465	000.5541	057.567
32.00	0.795	1.0	0.1580	000.6376	000.5408	057.562
33.00	0.783	1.0	0.1533	000.6280	000.5267	057.558
34.00	0.771	1.0	0.1486	000.6184	000.5127	057.554
35.00	0.758	1.0	0.1436	000.6080	000.4980	057.551
36.00	0.745	1.0	0.1388	000.5975	000.4834	057.549
37.00	0.732	1.0	0.1340	000.5871	000.4689	057.547
38.00	0.719	1.0	0.1292	000.5767	000.4544	057.545
39.00	0.706	1.0	0.1246	000.5663	000.4401	057.544
40.00	0.691	1.0	0.1194	000.5542	000.4246	057.544
41.00	0.676	1.0	0.1142	000.5422	000.4092	057.544
42.00	0.661	1.0	0.1092	000.5302	000.3940	057.545
43.00	0.646	1.0	0.1043	000.5181	000.3789	057.547
44.00	0.631	1.0	0.0995	000.5061	000.3641	057.548
45.00	0.616	1.0	0.0949	000.4941	000.3494	057.551
46.00	0.60	1.0	0.0900	000.4812	000.3343	057.554
47.00	0.584	1.0	0.0853	000.4684	000.3195	057.557
48.00	0.568	1.0	0.0807	000.4556	000.3048	057.561
49.00	0.553	1.0	0.0765	000.4435	000.2910	057.565
50.00	0.538	1.0	0.0724	000.4315	000.2774	057.569
51.00	0.523	1.0	0.0684	000.4195	000.2640	057.574
52.00	0.508	1.0	0.0645	000.4074	000.2509	057.579
53.00	0.494	1.0	0.0610	000.3962	000.2385	057.584
54.00	0.479	1.0	0.0574	000.3842	000.2258	057.589
55.00	0.465	1.0	0.0541	000.3730	000.2139	057.594
56.00	0.45	1.0	0.0506	000.3609	000.2018	057.601
57.00	0.436	1.0	0.0475	000.3497	000.1905	057.607
58.00	0.421	1.0	0.0443	000.3377	000.1789	057.614
59.00	0.406	1.0	0.0412	000.3256	000.1677	057.621
60.00	0.391	1.0	0.0382	000.3136	000.1568	057.628
61.00	0.376	1.0	0.0353	000.3016	000.1462	057.636
62.00	0.361	1.0	0.0326	000.2895	000.1359	057.644
63.00	0.345	1.0	0.0298	000.2767	000.1256	057.653
64.00	0.329	1.0	0.0271	000.2639	000.1157	057.663
65.00	0.313	1.0	0.0245	000.2510	000.1061	057.672
66.00	0.297	1.0	0.0221	000.2382	000.0969	057.682
67.00	0.282	1.0	0.0199	000.2262	000.0884	057.692
68.00	0.268	1.0	0.0180	000.2150	000.0805	057.701
69.00	0.246	1.0	0.0151	000.1973	000.0707	057.716
70.00	0.239	1.0	0.0143	000.1917	000.0656	057.720
71.00	0.225	1.0	0.0127	000.1805	000.0588	057.729
72.00	0.225	1.0	0.0127	000.1805	000.0558	057.728
73.00	0.199	1.0	0.0099	000.1596	000.0467	057.747
74.00	0.188	1.0	0.0088	000.1508	000.0416	057.755
75.00	0.176	1.0	0.0077	000.1412	000.0365	057.764
76.00	0.166	1.0	0.0069	000.1331	000.0322	057.771
77.00	0.155	1.0	0.0060	000.1243	000.0280	057.779
78.00	0.145	1.0	0.0053	000.1163	000.0242	057.786
79.00	0.137	1.0	0.0047	000.1099	000.0210	057.792

80.00	0.129	1.0	0.0042	000.1035	000.0180	057.798
81.00	0.12	1.0	0.0036	000.0962	000.0151	057.805
82.00	0.115	1.0	0.0033	000.0922	000.0128	057.809
83.00	0.11	1.0	0.0030	000.0882	000.0108	057.812
84.00	0.105	1.0	0.0028	000.0842	000.0088	057.816
85.00	0.103	1.0	0.0027	000.0826	000.0072	057.818
86.00	0.102	1.0	0.0026	000.0818	000.0057	057.818
87.00	0.10	1.0	0.0025	000.0802	000.0042	057.820
88.00	0.102	1.0	0.0026	000.0818	000.0029	057.818
89.00	0.104	1.0	0.0027	000.0834	000.0015	057.817
90.00	0.105	1.0	0.0028	000.0842	000.0000	057.816

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