

Gray Frierson Haertig & Assoc.
Portland, Oregon

Montana State University - Billings

Billings, Montana

REFERENCE
44 03 59.0 N.
107 51 50.0 W.

CH# 214D - 90.7 MHz, Pwr= 0.062 kW DA, HAAT= 124.0 M,
Average Protected F(50-50)= 10.16 km
Standard Directional

COR= 1436 M DISPLAY DATES
DATA 04-03-13
SEARCH 04-08-13

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
217C2 Thermopolis	KUWT	LI C	DCX WY	188.7 8.6	70.65 BLED20061005ADD	43 26 16.0 107 59 48.0	2.000 598	2.9 2510	43.8 University Of Wyoming	57.5	26.3
216C1 Cody	K0FG	LI C	DCX WY	295.4 114.5	113.40 BLED20101006AAV	44 29 46.0 109 09 09.0	8.700 547	5.8 2333	70.1 Tres Hermanas Educational	96.0	42.7
06NT Sheridan, Etc.	KSHW-LP	LI	_HN WY	43.6 224.1	85.92 BLTTV3690	44 37 24.0 107 06 59.0	0.232 66	5.1 1396	6.2 Lovcom, Inc.	11.3R	75.2M
06+T Sheridan	KSHW-LP	CP	D_N WY	43.6 224.2	85.86 BPTVL20100317ABJ	44 37 20.0 107 06 57.0	3.000 1078	5.1 2357	2.6 Lovcom, Inc.	7.7R	78.7M
06 D Broadus	K06AA-D	LI	_N MT	52.1 233.8	248.42 BLDTV20101103ACF	45 24 38.0 105 21 28.0	0.088 160	5.1 1078	2.6 Powder River T.v. Board	134.0R	114.9M
06NT Howard	K06JU	LI	DHN MT	14.9 195.5	260.76 BLTTV198001021A	46 19 50.0 106 59 35.0	0.180 91	5.1 884	2.6 Forsyth T.v. Tax District	134.0R	127.3M
06NT Ryegate	K06FU	LI	DHN MT	336.8 155.8	271.37 BLTTV3055	46 18 06.0 109 15 14.0	0.001 120	0.6 1229	43.8 Golden Valley T.v. Associ a	134.0R	137.9M
06NT La Barge, Etc.	K06FD	LI	DHN WY	226.7 45.0	278.43 BLTT3470	42 19 27.0 110 19 35.0	0.070 687	0.6 2753	43.8 Central Wyoming College	134.0R	144.9M
06ZT Gillette	K06JM	LI	D_N WY	82.3 263.8	174.81 BLTVA20031223ACO	44 15 24.0 105 41 40.0	3.000 150	4.4 1525	7.6 Duhamel Broadcasting Enter	11.9R	163.4M
06 D Miles City	K06FE-D	LI	D_N MT	30.2 211.7	307.22 BLDTV20090731AAG	46 26 07.8 105 50 49.9	0.100 103	5.1 815	2.6 Mmm License Li Lic	134.0R	173.7M
06 D White Sulphur Sprin	K06NV-D	LI	D_N MT	319.7 137.6	355.03 BLDTV20120618ACA	46 27 44.0 110 51 22.0	0.060 340	5.1 1849	2.6 Meagher County Television	134.0R	221.5M
06 D Townsend	1352968	AP	D_N MT	311.7 129.1	380.02 BNPDTV20090825BEB	46 16 38.8 111 33 05.6	0.050 370	5.1 1535	2.6 Townsend Tv District	134.0R	246.5M
06 D Crawford	K06KR-D	LI	D_N NE	111.7 294.8	393.47 BLDTV20081125ANV	42 40 13.0 103 24 09.0	0.028 100	5.1 1179	2.6 Nebraska Educational Telec	134.0R	260.0M
06 D Chadron	K06JC-D	LI	D_N NE	107.9 291.2	417.20 BLDTV20081121AKA	42 48 46.8 103 00 22.0	0.066 155	5.1 1153	2.6 Nebraska Educational Telec	134.0R	283.7M
06 2C Butte	KTVM-TV	LI	_HN MT	302.6 119.3	420.30 BLCDT20100629AVB	46 00 27.0 112 26 30.0	19.200 591	5.1 2566	2.6 Bluestone License Holdings	134.0R	286.8M

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference zone= West Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
« = Station meets FCC minimum distance spacing for its class.