

Study created: 2021.07.08 14:00:38

Study build station data: LMS TV 2021-07-05

Proposal: K51MA-D D15 LD CP BOZEMAN, MT  
File number: BNPDTL20100422ACZ  
Facility ID: 185745  
Station data: User record  
Record ID: 1013  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KINV-LD	D14	LD	LIC	BILLINGS, MT	BLDTL20091015ACG	201.7 km
No	K14OS-D	D14	LD	CP	DEER LODGE, MT	BNPDTL20100505AGB	150.8
No	K14PM-D	D14	LD	CP	DELL, MT	BNPDTL20100609AIC	168.8
No	K14QI-D	D14	LD	CP	GREAT FALLS, MT	BNPDTL20101014ABJ	205.0
No	KKJB	D15	DT	LIC	BOISE, ID	BLANK0000063943	456.7
No	K15GO-D	D15	LD	LIC	GEORGETOWN, ID	BLDTT20091005ABK	356.5
No	K15HR-D	D15	LD	LIC	MACKAY, ID	BLANK0000012101	285.4
No	KPIF	D15	DT	LIC	POCATELLO, ID	BLANK0000112831	336.3
No	K15ME-D	D15	LD	LIC	SALMON, ID	BLANK0000087560	238.5
No	KSAW-LD	D15	LD	LIC	TWIN FALLS, ID	BLDTL20140325AEJ	425.1
No	K15JL-D	D15	LD	CP	BILLINGS, MT	BLANK0000068779	201.9
No	K15JQ-D	D15	LD	CP	CLANCY, MT	BNPDTL20100609AIV	115.9
No	K15KA-D	D15	LD	CP	GREAT FALLS, MT	BNPDTL20101014ABK	205.0
No	K15JA-D	D15	LD	LIC	HARLOWTON, ETC, MT	BLDTT20120611ACG	100.8
No	KUKL-TV	D15	DT	LIC	KALISPELL, MT	BLANK0000060120	359.5
No	K15LD-D	D15	LD	LIC	LEWISTOWN, MT	BLANK0000063001	201.1
No	K40LF-D	D15	LD	LIC	PHILIPSBURG, MT	BLANK0000067773	189.8
No	K15LB-D	D15	LD	LIC	RED LODGE, MT	BLANK0000060222	153.6
No	K15KH-DT	D15	LD	CP	SUPERIOR, MT	BNPDTT20140312ACA	338.0
No	K15HK-D	D15	LD	LIC	SHERIDAN, WY	BLANK0000116458	331.1
No	KBGS-TV	D16	DT	CP	BILLINGS, MT	BLANK0000035770	201.7
No	KBGS-TV	D16	DT	LIC	BILLINGS, MT	BLDTT20090619ACP	201.7
No	K16JT-D	D16	LD	CP	BUTTE, MT	BNPDTL20100505AGK	112.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15  
Mask: Simple  
Latitude: 45 42 8.00 N (NAD83)  
Longitude: 111 3 23.00 W  
Height AMSL: 1452.0 m  
HAAT: 0.0 m  
Peak ERP: 0.300 kW  
Antenna: SAM-SAM-460 (ID 1004146) 180.0 deg  
Elev Pattn: Generic

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	30.9 m	4.4 km
45.0	0.000	-537.6	4.4
90.0	0.000	-194.7	4.4
135.0	0.002	-124.4	4.0
180.0	0.300	-211.6	14.0
225.0	0.002	-49.8	4.0
270.0	0.000	28.4	4.4
315.0	0.000	84.0	2.3

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: -122 m

Distance to Canadian border: 366.3 km

Distance to Mexican border: 1476.8 km

Conditions at FCC monitoring station: Ferndale WA  
Bearing: 296.8 degrees Distance: 937.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 140.5 degrees Distance: 776.4 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

No IX check failures found.