

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Drum29d15kwELTI285T, Model: Longley-Rice

Start: 2021.07.27 19:45:35

Study created: 2021.07.27 19:45:35

Study build station data: LMS TV 2021-07-27

Proposal: K50MJ-D D29 LD APP DRUMMOND, MT

Facility ID: 186041

Station data: User record

Record ID: 111

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KWYB-LD	D28	LD	LIC	BOZEMAN, MT	BLDTL20121030AAV	212.9 km
Yes	K28MG-D	D28	LD	CP	DRUMMOND, MT	BNPDTL20100505AFW	0.0
No	K28NB-D	D28	LD	CP	GLEN, MT	BNPDTL20100609AIP	133.1
No	K28OG-D	D28	LD	LIC	KALISPELL & LAKESIDE, MT	BLANK0000064234	172.1
No	K28MQ-D	D28	LD	CP	MISSOULA, MT	BNPDTL20101014ABP	62.2
No	KIWB-LD	D29	LD	LIC	BOISE, ID	BLANK0000126124	396.8
No	K26LE-D	D29	LD	CP	CASCADE, ID	BLANK0000054520	323.5
No	K29KG-D	D29	LD	CP	IDAHO FALLS, ID	BLANK0000088191	426.3
No	K49IC-D	D29	LD	LIC	SALMON, ID	BLANK0000059727	179.3
No	KDBZ-CD	D29	DC	LIC	BOZEMAN, MT	BLANK0000116068	189.7
No	K29JT-D	D29	LD	CP	BUTTE, MT	BNPDTL20100310ABV	88.8
Yes	KUHM-TV	D29	DT	LIC	HELENA, MT	BLANK0000004580	117.8
Yes	KUHM-TV	D29	DT	APP	HELENA, MT	BLANK0000035768	117.8
No	K42JA-D	D29	LD	LIC	HOT SPRINGS, MT	BLANK0000067785	140.4
No	K29AA-D	D29	LD	LIC	KALISPELL, WHITEFISH, MT	BLDTT20111214AEA	221.0
No	K29LD-D	D29	LD	CP	LOMA, MT	BNPDTT20130325AHT	250.1
No	K41IW-D	D29	LD	LIC	POLSON, MT	BLANK0000059725	131.8
No	K29ID-D	D29	LD	LIC	WEEKSVILLE, MT	BLDTT20130919ABX	146.1

No	K29EL-D	D29	LD	LIC	LA GRANDE, OR	BLDTT20120625ABJ	378.8
No	K29NM-D	D29	LD	LIC	SPOKANE, WA	BLANK0000065361	323.7
No	K29IG-D	D29	LD	LIC	SUNLIGHT BASIN, WY	BLANK0000137989	367.1
No	K30PW-D	D30	LD	LIC	SALMON, ID	BLANK0000087559	179.3
No	K30NG-D	D30	LD	CP	DILLON, MT	BNPDTL20100609AIK	167.1
No	K30PT-D	D30	LD	LIC	KALISPELL & LAKESIDE, MT	BLANK0000064236	172.1
No	K30LX-D	D30	LD	CP	MISSOULA, MT	BNPDTL20100505AFS	59.5
No	K30KY-D	D30	LD	LIC	PHILIPSBURG, MT	BLANK0000007423	44.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
 Mask: Stringent
 Latitude: 46 39 56.50 N (NAD83)
 Longitude: 113 14 0.00 W
 Height AMSL: 1464.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: ELTI-ELTI UHF Panel (ID 1008435) 285.0 deg
 Elev Pattn: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.127 kW	-173.2 m	10.5 km
45.0	0.114	-117.6	10.2
90.0	0.025	111.2	13.3
135.0	0.047	149.9	18.2
180.0	0.032	110.2	14.1
225.0	1.04	-33.3	17.8
270.0	12.2	-12.3	29.1
315.0	7.35	86.5	38.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 15 m

Proposal 25.23 dBu contour does not cross Canadian border
Distance to Canadian border: 259.3 km

Distance to Mexican border: 1555.3 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 293.5 degrees Distance: 740.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 135.5 degrees Distance: 968.1 km

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%

Interference to BNPDTL20100505AFW CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K28MG-D	D28	LD	CP	DRUMMOND, MT	BNPDTL20100505AFW	
Undesireds:	K50MJ-D	D29	LD	APP	DRUMMOND, MT		0.0 km
	KWYB-LD	D28	LD	CP	BOZEMAN, MT	BLANK00000087315	189.7
	KUHM-TV	D29	DT	LIC	HELENA, MT	BLANK00000004580	117.8
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	2729.6	3,415	2173.7	2,589	2173.7	2,589	0.05 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K50MJ-D	D29	LD	APP	1.0	0	1.0	0

Interference to BLANK0000004580 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUHM-TV	D29	DT	LIC	HELENA, MT	BLANK0000004580	
Undesireds:	K50MJ-D	D29	LD	APP	DRUMMOND, MT		117.8 km
	KDBZ-CD	D29	DC	LIC	BOZEMAN, MT	BLANK0000116068	136.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	17879.9	154,751	13486.5	142,664	13372.5	142,638	0.05 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K50MJ-D D29 LD APP		6.0		0		6.0	0
KDBZ-CD D29 DC LIC		114.1		26	114.1	26	

Interference to BLANK0000035768 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUHM-TV	D29	DT	APP	HELENA, MT	BLANK0000035768	
Undesireds:	K50MJ-D	D29	LD	APP	DRUMMOND, MT		117.8 km
	KDBZ-CD	D29	DC	LIC	BOZEMAN, MT	BLANK0000116068	136.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	23189.1	113,290	16928.9	94,854	16804.6	94,527	0.09 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K50MJ-D D29 LD APP		15.1		0		15.1	0
KDBZ-CD D29 DC LIC		124.3		327	124.3	327	

Interference to proposal scenario 1
33.53% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K50MJ-D	D29	LD	APP	DRUMMOND, MT		

Undesireds:	K28MG-D	D28	LD	CP	DRUMMOND, MT	BNPDTL20100505AFW	0.0 km
	KUHM-TV	D29	DT	LIC	HELENA, MT	BLANK0000004580	117.8

Service area		Terrain-limited		IX-free	Percent IX
1580.4	3,641	1284.4	2,589	982.6	1,721 23.50 33.53

Undesired		Total IX		Unique IX	Prcnt Unique IX
K28MG-D D28 LD CP	300.8	868	300.8	868	23.42 33.53
KUHM-TV D29 DT LIC	1.0	0	1.0	0	0.08 0.00

Interference to proposal scenario 2
33.53% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K50MJ-D	D29	LD	APP	DRUMMOND, MT		
Undesireds:	K28MG-D	D28	LD	CP	DRUMMOND, MT	BNPDTL20100505AFW	0.0 km
	KUHM-TV	D29	DT	APP	HELENA, MT	BLANK00000035768	117.8

Service area		Terrain-limited		IX-free	Percent IX
1580.4	3,641	1284.4	2,589	974.6	1,721 24.12 33.53

Undesired		Total IX		Unique IX	Prcnt Unique IX
K28MG-D D28 LD CP	300.8	868	300.8	868	23.42 33.53
KUHM-TV D29 DT APP	9.1	0	9.1	0	0.71 0.00