

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Dell25d15kwELTI30T, Model: Longley-Rice

Start: 2021.07.27 18:44:27

Study created: 2021.07.27 18:44:27

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

Proposal: K480A-D D25 LD APP DELL, MT

Facility ID: 187499

Station data: User record

Record ID: 108

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	K43DU-D	D24	LD	LIC	BUTTE, MT	BLANK0000063139	154.8 km
No	K25NP-D	D25	LD	CP	BLACKFOOT, ID	BNPDTL20100609AHJ	159.5
No	KFLL-LD	D25	LD	LIC	BOISE, ID	BLANK0000068061	346.6
No	K25NQ-D	D25	LD	CP	DUBOIS, ID	BNPDTL20100609AHV	56.4
No	K47JW-D	D25	LD	LIC	HAGERMAN, ID	BLANK0000059752	272.4
No	K25PO-D	D25	LD	LIC	HOLBROOK, ID	BLANK0000074796	278.0
No	K25PY-D	D25	LD	LIC	LEADORE, ID	BLANK0000087561	62.4
No	K25IP-D	D25	LD	LIC	MALAD CITY, ID	BLDTT20080722AEK	283.4
No	K25OR-D	D25	LD	LIC	MCCALL, ID	BLANK0000059073	287.6
No	K25CK-D	D25	LD	LIC	MONTPELIER, ID	BLDTT20111115AHA	265.3
No	K25HG-D	D25	LD	LIC	PRESTON, ID	BLDTT20111116AIC	284.3
No	K25OI-D	D25	LD	LIC	SODA SPRINGS, ID	BLANK0000059260	231.4
No	K25BP	D25	LD	LIC	BILLINGS, MT	BLANK0000016513	356.2
No	K25BP	D25	LD	CP	BILLINGS, MT	BLANK0000073131	346.2
No	K25BP	N25	TX	LIC	BILLINGS, MT	BLTTL19990723JD	346.2
No	K25OA-D	D25	LD	LIC	DILLON, MT	BLANK0000124624	69.6
No	K25LM-D	D25	LD	CP	GREAT FALLS, MT	BLANK0000149747	329.9
No	K25LM-D	D25	LD	LIC	GREAT FALLS, MT	BLDTL20140602AXJ	329.9

No	K25LO-D	D25	LD	CP	HAMILTON, MT	BNPDTL20100105ABY	223.6
No	K25LF-D	D25	LD	LIC	PHILIPSBURG, MT	BLANK0000007422	190.6
No	K25MF-D	D25	LD	CP	PLAINS, MT	BNPDTL20100505AFH	337.5
No	K25IX-D	D25	LD	LIC	HUNTSVILLE, ETC., UT	BLDTT20081215AAD	369.5
No	K50MY-D	D25	LD	LIC	CODY, WY	BLANK0000059952	293.8
No	KIDK	D26	LD	LIC	IDAHO FALLS, ID	BLANK0000114102	111.3
No	K26DE-D	D26	LD	LIC	BOZEMAN, MT	BLDTL20101101ACE	152.3
No	K26ON-D	D26	LD	LIC	DEER LODGE, ETC., MT	BLANK0000064278	167.7
No	DK28AZ	N28	TX	APP	WEST YELLOWSTONE, MT	BLTT19880426IB	109.0
No	K32LS-D	N32z	TX	CP	DRIGGS, ID	BDISTT20130802ACU	159.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25
 Mask: Stringent
 Latitude: 44 37 2.50 N (NAD83)
 Longitude: 112 33 55.50 W
 Height AMSL: 1979.9 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: ELTI-ELTI UHF Panel (ID 1008435) 30.0 deg
 Elev Pattn: Generic

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.35 kW	-45.0 m	27.2 km
45.0	12.2	-86.9	29.5
90.0	0.807	-131.8	17.0
135.0	0.061	-156.3	9.0
180.0	0.058	-564.2	8.8
225.0	0.013	-448.4	6.1
270.0	0.078	-366.1	9.5
315.0	0.216	118.1	24.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -210 m

Distance to Canadian border: 487.0 km

Distance to Mexican border: 1335.5 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 306.0 degrees Distance: 899.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 127.1 degrees Distance: 778.3 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 proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K480A-D	D25	LD	APP	DELL, MT		
Undesireds:	K25LM-D	D25	LD	CP	GREAT FALLS, MT	BLANK0000149747	329.9 km
	Service area			Terrain-limited		IX-free	Percent IX
	1057.6 417			879.0 401	879.0	401	0.00 0.00