tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Mullan17d200wELTI270F, Model: Longley-Rice
Start: 2022.06.07 13:12:32

Study created: 2022.06.07 13:12:32

Study build station data: LMS TV 2022-06-04

    Proposal: K17PA-D D17 LD APP MULLAN, ID
 Facility ID: 185953
Station data: User record
   Record ID: 763
     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	K18DT-D	D16	LD	CP	COEUR D'ALENE, ID	BLANK0000075033	75.3 km
No	K16LS-D	D16	LD	LIC	GRANGEVILLE, ETC., ID	BLANK0000064244	163.6
No	K16LX-D	D16	LD	LIC	JULIAETTA, ID	BLANK0000063103	119.6
No	K16NF-D	D16	LD	LIC	HOT SPRINGS, MT	BLANK0000067783	87.4
No	K16GJ-D	D16	LD	LIC	POLSON, MT	BLDTT20090723ADB	126.7
No	K16KZ-D	D16	LD	LIC	QUARTZ CREEK, ETC, MT	BLANK0000067796	109.7
No	KAID	D17	LD	LIC	BOISE, ID	BLEDT20131118BCR	337.6
No	K46HZ-D	D17	LD	CP	BONNERS FERRY, ID	BLANK0000052108	131.3
No	K17KF-D	D17	LD	LIC	CAMBRIDGE, ID	BLDTT20110516ADP	332.9
No	K17ED-D	D17	DC	LIC	PAYETTE, ID	BLDTA20141002AAE	388.2
No	K17ED-D	D17	DC	CP	PAYETTE, ID	BLANK0000127573	388.2
No	K17NE-D	D17	LD	LIC	ARLEE, MT	BLANK0000063137	131.7
No	KJJC-TV	D17	DT	LIC	GREAT FALLS, MT	BLANK0000063898	334.2
No	KOOH-LD	D17	LD	CP	HELENA, MT	BLANK0000178549	304.4
No	KOOH-LD	D17	LD	LIC	HELENA, MT	BLANK0000185378	304.4
No	K17JS-D	D17	LD	LIC	PHILIPSBURG, MT	BLANK0000171357	235.8
No	K17MQ-D	D17	LD	LIC	THOMPSON FALLS, MT	BLANK0000063129	41.7
No	KVBI-CD	D17	DC	LIC	CLARKSTON, WA	BLANK0000099493	147.3

No	K17IL-D	D17	LD	LIC	ELLENSBURG, ETC., WA	BLDTT20090506ACN	356.3
No	K17EV-D	D17	LD	CP	OMAK, WA	BLANK0000177211	282.7
No	K17EV-D	D17	LD	LIC	OMAK, WA	BLDTT20120530AOX	282.9
No	K49KV-D	D17	LD	CP	STEMILT, ECT, WA	BLANK0000054432	347.0
No	K17KR-D	D17	LD	LIC	WINTHROP, WA	BLDTT20120614ABY	355.7
No	KCDT	D18	DT	LIC	COEUR D'ALENE, ID	BLANK0000087275	75.3
No	K18DT-D	D18	LD	LIC	COEUR D'ALENE, ID	BLDTT20140609AAO	75.3
No	NEW	D18	LD	CP	COOLIN, ID	BNPDTT20130618ABX	149.5
No	K18LH-D	D18	LD	LIC	LEWISTON, ID	BLDTT20141016AAN	147.3
No	K18HQ-D	D18	LD	LIC	SANDPOINT, ID	BLDTL20111018AAI	116.5
No	KAJJ-CD	D18	DC	LIC	KALISPELL, MT	BLANK0000059782	123.3
No	K18KD-D	D18	LD	LIC	LIBBY, MT	BLDTT20111114AUB	109.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D17
       Mask: Full Service
   Latitude:  47 28  9.00 N (NAD83)
  Longitude: 115 48 15.40 W
Height AMSL: 1025.1 m (Adjusted based on actual ground elevation calculation)
       HAAT: 0.0 m
   Peak ERP: 0.200 kW
    Antenna: ELTI-ELTI UHF Panel (ID 1008435) 270.0 deg
Elev Pattrn: Generic
```

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-340.8 m	2.2 km
45.0	0.002	-679.4	3.8
90.0	0.000	-306.6	2.9
135.0	0.001	-538.3	3.5
180.0	0.000	-381.8	2.2
225.0	0.043	-348.6	8.6
270.0	0.200	-205.5	12.5

315.0 0.040 -184.4 8.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -373 m

Proposal 24.04 dBu contour does not cross Canadian border
Distance to Canadian border: 170.3 km

Distance to Mexican border: 1642.1 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 290.8 degrees Distance: 526.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 130.1 degrees Distance: 1171.7 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%

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K17PA-D	D17	LD	APP	MULLAN, ID		
Undesireds:	K18DT-D	D16	LD	CP	COEUR D'ALENE, ID	BLANK0000075033	75.3 km
	K17EV-D	D17	LD	CP	OMAK, WA	BLANK0000177211	282.7

Service area		Terrain-limited		IX-free		Percent IX	
142.5	4,008	137.4	4,008	137.4	4,008	0.00	0.00