tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: cBoise36d15kwT, Model: Longley-Rice
Start: 2022.08.02 08:07:15

Study created: 2022.08.02 08:07:15

Study build station data: LMS TV 2022-08-02

    Proposal: KCDL-LD D36 LD APP BOISE, ID
 Facility ID: 182489
Station data: User record
   Record ID: 874
     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	KBSE-LD	N33	TX	LIC	BOISE, ETC., ID	BLTTL20060117AEP	37.9 km
Yes	KZAK-LD	D35	LD	LIC	BOISE, ID	BLANK0000184526	38.0
No	K36KC-D	D36	LD	CP	BURLEY, ID	BNPDTL20090825BOD	236.0
No	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	78.4
Yes	K36LZ-D	D36	LD	CP	GARDEN VALLEY, ID	BDISDTT20110802AAP	78.4
No	K36KB-D	D36	LD	CP	GLENN'S FERRY, ID	BNPDTL20090825BMC	120.6
No	KIDK	D36	DT	LIC	IDAHO FALLS, ID	BLANK0000001151	308.2
No	K36PM-D	D36	LD	LIC	SALMON, ID	BLANK0000087558	268.0
No	K36PN-D	D36	LD	LIC	BEOWAWE, NV	BLANK0000152684	322.0
No	K36HA-D	D36	LD	LIC	ELKO, NV	BLDTT20090716AAG	305.9
No	K36PO-D	D36	LD	LIC	WINNEMUCCA, NV	BLANK0000145196	297.1
Yes	K36NP-D	D36	LD	LIC	BAKER VALLEY, OR	BLANK0000067883	159.2
No	K49KT-D	D36	LD	CP	BEND, OR	BLANK0000051823	367.9
No	K36BA-D	D36	LD	LIC	BURNS, OR	BLDTT20100823ACF	213.1
No	K36DP-D	D36	LD	LIC	PENDLETON, OR	BLDTT20120621ABZ	292.6
No	K36HV-D	D36	LD	APP	WALLOWA, OR	BLDTT20120524AHB	221.8
No	KUEN	D36	DT	LIC	OGDEN, UT	BLANK0000067867	474.6
No	K49EV-D	D36	LD	LIC	CLARKSTON, WA	BLANK0000067741	329.8

No	K36EW-D	D36	DC	LIC	COLLEGE PLACE, WA	BLANK0000168798	318.2
No	KBWU-LD	D36	LD	LIC	RICHLAND, ETC.,, WA	BLDTL20080701AEM	355.7
No	KSKN	D36	DT	LIC	SPOKANE, WA	BLANK0000001266	458.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D36
       Mask: Stringent
   Latitude:  43 30 38.00 N (NAD83)
  Longitude: 116 29 15.00 W
Height AMSL: 828.5 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
```

50.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	51.4 m	35.4 km
45.0	15.0	19.2	29.4
90.0	15.0	-9.1	29.4
135.0	15.0	-23.2	29.4
180.0	15.0	-10.9	29.4
225.0	15.0	10.7	29.4
270.0	15.0	30.6	29.5
315.0	15.0	70.5	38.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 17 m

Distance to Canadian border: 610.1 km

Distance to Mexican border: 1208.4 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 324.5 degrees Distance: 763.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 108.0 degrees Distance: 1001.4 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 BLANK0000184526 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KZAK-LD	D35	LD	LIC	BOISE, ID	BLANK0000184526	
Undesireds:	KCDL-LD	D36	LD	APP	BOISE, ID		38.0 km
	KEVA-LD	D34	LD	LIC	BOISE, ID	BLANK0000133708	0.0
	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	40.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5842.3	607,690	5338.6	589,872	5312.3	589,573	5233.4	586,357	1.48	0.55

Undesired	Total IX		Unique IX, before		Unique IX, after	
KCDL-LD D36 LD APP	81.9	3,216			78.9	3,216
KEVA-LD D34 LD LIC	26.3	299	26.3	299	23.3	299

Interference to BDISDTT20110802AAP CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K36LZ-D	D36	LD	CP	GARDEN VALLEY, ID	BDISDTT20110802AAP	

Undesireds: KCDL-LD D36 LD APP BOISE, ID 78.4 km

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
145.2	844	127.0	418	127.0	418	125.0	418	1.59	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCDL-LD D36 LD APP	2.0	0	2.0 0

Interference to BLANK0000067883 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K36NP-D	D36	LD	LIC	BAKER VALLEY, OR	BLANK0000067883	
Undesireds:	KCDL-LD	D36	LD	APP	BOISE, ID		159.2 km
	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	168.0
	K36OD-D	D36	LD	LIC	NORTH LA PINE, OR	BLANK0000059964	307.0
	KWYT-LD	D36	LD	LIC	YAKIMA, WA	BLANK0000090780	301.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2908.2	14,110	2323.2	13,114	2323.2	13,114	2301.1	13,114	0.95	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCDL-LD D36 LD APP	22.1	0	22.1 0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCDL-LD	D36	LD	APP	BOISE, ID		
Undesireds:	KZAK-LD	D35	LD	LIC	BOISE, ID	BLANK0000184526	38.0 km
	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	78.4

Service area		Terrain-limited		IX-free		Percent IX	
3149.1	569,286	2937.9	566,355	2904.0	566,183	1.16	0.03

Undesired		Total IX		Unique IX	Prcnt Unique IX	
KZAK-LD D35 LD LIC	33.9	172	33.9	172	1.16	0.03