

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: KZAK-LD PROPOSED FACILITY, Model: Longley-Rice  
Start: 2024.02.26 10:44:36

Study created: 2024.02.26 10:44:36

Study build station data: LMS TV 2024-02-26

Proposal: KZAK-LD D35 LD LIC BOISE, ID  
File number: KZAK-LD PROPOSED FACILITY  
Facility ID: 6754  
Station data: User record  
Record ID: 5  
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	KEVA-LD	D34	LD	LIC	BOISE, ID	BLANK0000133708	0.0 km
No	K34MG-D	D34	LD	LIC	GARDEN VALLEY, ID	BLD TT20130123ADL	40.7
No	KXTF	D34	DT	LIC	TWIN FALLS, ID	BLANK0000144264	179.3
No	K35MJ-D	D35	LD	LIC	GRANGEVILLE, ID	BLANK0000055030	260.2
No	K35BW-D	D35	LD	LIC	LEWISTON, ID	BLD TT20130730ANN	309.7
No	KXPI-LD	D35	LD	LIC	POCATELLO, ID	BLANK0000095735	308.5
No	K35GD-D	D35	LD	LIC	GOLCONDA, NV	BLD TT20100108ABV	307.4
No	K350I-D	D35	LD	LIC	STARR VALLEY, NV	BLANK0000220451	299.1
No	K35GA-D	D35	LD	LIC	LA GRANDE, OR	BLD TT20120625ABN	215.5
No	K35F0-D	D35	LD	LIC	MILTON-FREEWATER, OR	BLD TT20120423ABV	286.6
No	KUCW	D35	DT	LIC	OGDEN, UT	BLANK0000114064	471.3
Yes	DKCDL-LD	D36	LD	LIC	BOISE, ID	BLANK0000164112	32.2
Yes	DKCDL-LD	D36	LD	CP	BOISE, ID	BLANK0000197112	3.4
No	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLD TT20130123ADM	40.7
No	K36LZ-D	D36	LD	CP	GARDEN VALLEY, ID	BDISD TT20110802AAP	40.7
No	K36NP-D	D36	LD	LIC	BAKER VALLEY, OR	BLANK0000067883	162.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35  
Mask: Full Service  
Latitude: 43 44 23.20 N (NAD83)  
Longitude: 116 8 15.60 W  
Height AMSL: 1789.4 m  
HAAT: 482.5 m  
Peak ERP: 9.60 kW  
Antenna: KAT-K72314 12X1 240 (ID 20724) 240.0 deg  
Elev Pattn: Generic

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.024 kW	432.5 m	24.6 km
45.0	0.061	76.0	13.3
90.0	0.004	382.5	14.9
135.0	0.019	372.6	22.1
180.0	0.700	580.9	47.9
225.0	7.95	794.9	67.8
270.0	4.70	788.0	64.1
315.0	0.078	432.4	30.8

Distance to Canadian border: 584.7 km

Distance to Mexican border: 1231.0 km

Conditions at FCC monitoring station: Ferndale WA  
Bearing: 321.9 degrees Distance: 760.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 110.2 degrees Distance: 983.1 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 BLANK0000164112 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number			
Distance Desired:	DKCDL-LD	D36	LD	LIC	BOISE, ID	BLANK0000164112			
Undesireds:	KZAK-LD	D35	LD	LIC	BOISE, ID	KZAK-LD PROPOSED FACIL	32.2		
km	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	71.6		
	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent
New IX	4178.0	557,170	3922.1	553,412	3922.1	553,412	3918.1	553,407	0.10
0.00									
Undesired			Total IX		Unique IX, before		Unique IX, after		
KZAK-LD D35 LD LIC	4.0		5				4.0		5

Interference to BLANK0000197112 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number			
Distance Desired:	DKCDL-LD	D36	LD	CP	BOISE, ID	BLANK0000197112			
Undesireds:	KZAK-LD	D35	LD	LIC	BOISE, ID	KZAK-LD PROPOSED FACIL	3.4		
km	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	37.6		
	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent
New IX	16012.0	630,317	13290.3	624,201	13290.3	624,201	13289.3	624,201	0.01
0.00									
Undesired			Total IX		Unique IX, before		Unique IX, after		
KZAK-LD D35 LD LIC	1.0		0				1.0		0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	
Distance Desired:	KZAK-LD	D35	LD	LIC	BOISE, ID	KZAK-LD PROPOSED FACIL	
Undesireds: km	KEVA-LD	D34	LD	LIC	BOISE, ID	BLANK0000133708	0.0
	DKCDL-LD K36LZ-D	D36 D36	LD LD	LIC LIC	BOISE, ID GARDEN VALLEY, ID	BLANK0000164112 BLDTT20130123ADM	32.2 40.7
	Service area	Terrain-limited			IX-free	Percent IX	
5274.9	604,628	4816.7	585,448		4330.0	580,045	10.10 0.92
Undesired				Total IX	Unique IX	Prcnt Unique IX	
KEVA-LD D34 LD LIC		39.5		156	36.4	156	0.76 0.03
DKCDL-LD D36 LD LIC		450.3		5,247	447.2	5,247	9.29 0.90

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	
Distance Desired:	KZAK-LD	D35	LD	LIC	BOISE, ID	KZAK-LD PROPOSED FACIL	
Undesireds:	KEVA-LD	D34	LD	LIC	BOISE, ID	BLANK0000133708	0.0
km	DKCDL-LD	D36	LD	CP	BOISE, ID	BLANK0000197112	3.4
	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	40.7
	Service area	Terrain-limited			IX-free	Percent IX	
5274.9	604,628	4816.7	585,448		4316.3	578,029	10.39 1.27
Undesired					Total IX	Unique IX	Prcnt Unique IX
KEVA-LD D34 LD LIC	39.5				156	5.1	0.11 0.00
DKCDL-LD D36 LD CP	495.3				7,419	460.9	9.57 1.24