

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: KZAK STA #180, Model: Longley-Rice  
Start: 2023.01.24 16:19:29

Study created: 2023.01.24 16:19:29

Study build station data: LMS TV 2023-01-07 #66

Proposal: KZAK STA D35 LD STA BOISE, ID  
File number: KZAK STA  
Facility ID: 6754  
Station data: User record  
Record ID: 137  
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	0.0 km
Yes	KEVA-LD	D34	LD	LIC	BOISE, ID	BLANK0000133708	0.1
No	K34MG-D	D34	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADL	40.8
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	BLDTT20130730ANN	309.7
No	KXPI-LD	D35	LD	LIC	POCATELLO, ID	BLANK0000095735	308.5
No	K35GD-D	D35	LD	LIC	GOLCONDA, NV	BLDTT20100108ABV	307.4
No	K35OI-D	D35	LD	LIC	STARR VALLEY, NV	BLANK0000156397	299.4
No	K35GA-D	D35	LD	LIC	LA GRANDE, OR	BLDTT20120625ABN	215.5
No	K35FO-D	D35	LD	LIC	MILTON-FREEWATER, OR	BLDTT20120423ABV	286.5
No	KUCW	D35	DT	LIC	OGDEN, UT	BLANK0000114064	471.3
Yes	KCDL-LD	D36	LD	LIC	BOISE, ID	BLANK0000164112	32.2
Yes	KCDL-LD	D36	LD	CP	BOISE, ID	BLANK0000197112	3.5
No	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	40.8
No	K36LZ-D	D36	LD	CP	GARDEN VALLEY, ID	BDISDTT20110802AAP	40.8
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: Stringent  
Latitude: 43 44 22.60 N (NAD83)  
Longitude: 116 8 18.40 W  
Height AMSL: 1835.0 m  
HAAT: 0.0 m  
Peak ERP: 12.9 kW  
Antenna: KAT-K72314 (ID 19753) 235.0 deg  
Elev Patrn: Generic

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.055 kW	403.5 m	30.1 km
45.0	0.001	118.4	6.5
90.0	0.012	426.3	20.9
135.0	0.046	417.2	27.6
180.0	1.54	631.1	53.7
225.0	11.9	844.0	71.4
270.0	5.37	836.2	65.8
315.0	0.063	487.8	31.1

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 531 m

Distance to Canadian border: 584.8 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: 983.2 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 BLANK0000133708 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance	
Desired:	KEVA-LD	D34	LD	LIC	BOISE, ID	BLANK0000133708		
Undesireds:	KZAK STA	D35	LD	STA	BOISE, ID	KZAK STA	0.1 km	
	KBSE-LD	D33	LD	LIC	BOISE, ETC., ID	BLANK0000133705	0.0	
	K34NC-D	D34	DC	LIC	FISH CREEK, ETC., ID	BLANK0000121408	308.5	
Service area	8469.2	614,423	Terrain-limited	7123.7	599,597	IX-free, before	IX-free, after	Percent New IX
						7089.4	597,608	0.48 0.33
Undesired			Total IX	Unique IX, before	Unique IX, after			
KZAK STA D35 LD STA		34.3	1,989		34.3	1,989		

Interference to BLANK0000164112 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance	
Desired:	KCDL-LD	D36	LD	LIC	BOISE, ID	BLANK0000164112		
Undesireds:	KZAK STA	D35	LD	STA	BOISE, ID	KZAK STA	32.2 km	
	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLDTT20130123ADM	71.6	
Service area	4178.0	557,170	Terrain-limited	3922.1	553,412	IX-free, before	IX-free, after	Percent New IX
						3554.9	548,005	9.36 0.98

Undesired					Total IX	Unique IX, before	Unique IX, after
KZAK STA D35 LD STA					367.2	5,407	367.2 5,407

Interference to BLANK0000197112 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KCDL-LD	D36	LD	CP	BOISE, ID	BLANK0000197112	
Undesireds:	KZAK STA	D35	LD	STA	BOISE, ID	KZAK STA	3.5 km
	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLD TT20130123ADM	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	13265.1 619,587
Undesired					Total IX	Unique IX, before	Unique IX, after
KZAK STA D35 LD STA					25.2	4,614	25.2 4,614

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KZAK STA	D35	LD	STA	BOISE, ID	KZAK STA	
Undesireds:	KEVA-LD	D34	LD	LIC	BOISE, ID	BLANK0000133708	0.1 km
	KCDL-LD	D36	LD	LIC	BOISE, ID	BLANK0000164112	32.2
	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLD TT20130123ADM	40.8
	Service area	Terrain-limited			IX-free	Percent IX	
6105.2	606,307	5620.8		589,763	5274.3	585,093	6.16 0.79
Undesired					Total IX	Unique IX	Prcnt Unique IX
KEVA-LD D34 LD LIC					8.1	278	0.14 0.05
KCDL-LD D36 LD LIC					338.4	4,392	6.02 0.74

Interference to proposal scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KZAK STA	D35	LD	STA	BOISE, ID	KZAK STA	
Undesireds:	KEVA-LD	D34	LD	LIC	BOISE, ID	BLANK0000133708	0.1 km
	KCDL-LD	D36	LD	CP	BOISE, ID	BLANK0000197112	3.5
	K36LZ-D	D36	LD	LIC	GARDEN VALLEY, ID	BLD TT20130123ADM	40.8
	Service area	Terrain-limited			IX-free	Percent IX	
6105.2	606,307	5620.8		589,763	5148.7	583,319	8.40 1.09
Undesired					Total IX	Unique IX	Prcnt Unique IX
KEVA-LD D34 LD LIC					8.1	278	0.02 0.00
KCDL-LD D36 LD CP					471.1	6,444	8.26 1.05