

**Note:**  
**Study cell size: 1.00 km**  
**Profile point spacing: 0.10 km**

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: KIWG\_Ch14\_Omni\_Pre, Model: Longley-Rice  
Start: 2019.05.31 13:56:11

Study created: 2019.05.31 13:39:45

Study build station data: LMS TV 2019-05-31

Proposal: KIWG-LD D14 LD APP BOISE, ID  
File number: KIWG\_Ch14\_Omni  
Facility ID: 183637  
Station data: User record  
Record ID: 977  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel  
Protect baseline records from LPTV

Search options:  
Baseline record excluded if station has CP  
All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	K14QO-D	D14	LD	CP	BOISE, ID	BNPDTL20090825BYC	38.8 km
No	K14IC-D	D14	LD	LIC	BURLEY, ID	BLDTT20100915AAY	272.4
No	K14IJ-D	D14	LD	LIC	LEADORE, ID	BLDTT20121109ABB	283.7
No	K40MS-D	D14	LD	CP	POCATELLO, ID	BLANK0000054761	337.4
No	K47MA-D	D14	LD	CP	TERRACE LAKES, ID	BLANK0000052584	70.4
No	KSVT-LD	D14	LD	LIC	TWIN FALLS, ID	BLDTL20120702AAO	199.9
No	K14PM-D	D14	LD	CP	DELL, MT	BNPDTL20100609AIC	336.4
No	K14NU-D	D14	LD	LIC	BEOWAWE, NV	BLDTT20100323AAE	334.8
No	K44AM	D14	LD	CP	CARLIN, NV	BLANK0000054858	324.5
No	K14SE-D	D14	LD	LIC	MCDERMITT, NV	BLANK0000067079	189.5
No	K14SE-D	D14	LD	APP	MCDERMITT, NV	BLANK0000073419	205.2
No	K14PV-D	D14	LD	CP	ROCKY POINT, NV	BNPDTL20100512AHX	322.8
No	K14HT	N14	TX	LIC	WALLA WALLA, ETC., WA	BLTT19910213IG	281.3
No	KAPP	D14	DT	LIC	YAKIMA, WA	BLCDT20130829AEQ	448.0
Yes	KKJB	D15	DT	LIC	BOISE, ID	BLANK0000063943	35.2
No	K15IO-D	D15	LD	LIC	MCCALL & NEW MEADOWS, ID	BLDTT20110831AAN	155.9
No	KSAW-LD	D15	LD	LIC	TWIN FALLS, ID	BLDTL20140325AEJ	199.9
No	KKIC-LD	N16-	TX	LIC	BOISE, ID	BLTTL20060419AAE	35.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14  
Mask: Full Service  
Latitude: 43 37 50.60 N (NAD83)  
Longitude: 116 32 58.50 W  
Height AMSL: 778.3 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	7.6 m	31.6 km
45.0	15.0	13.6	31.6
90.0	15.0	-3.0	31.6
135.0	15.0	-21.7	31.6
180.0	15.0	4.8	31.6
225.0	15.0	16.4	31.6

270.0	15.0	31.7	32.0
315.0	15.0	42.4	35.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 11 m

Distance to Canadian border: 596.8 km

Distance to Mexican border: 1222.1 km

Conditions at FCC monitoring station: Ferndale WA  
Bearing: 324.2 degrees    Distance: 749.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 108.6 degrees    Distance: 1010.4 km

No land mobile station failures found

Study cell size: 1.00 km  
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BNPDTL20090825BYC CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	K14QO-D	D14	LD	CP	BOISE, ID	BNPDTL20090825BYC			
Undesireds:	KIWG-LD	D14	LD	APP	BOISE, ID	KIWG_Ch14_Omni	38.8 km		
	K14SE-D	D14	LD	LIC	MCDERMITT, NV	BLANK0000067079	221.0		
	KKJB	D15	DT	LIC	BOISE, ID	BLANK0000063943	3.6		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
281.7    35,518		233.1    16,270		212.1    9,221		203.9    9,221	3.83    0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KIWG-LD D14 LD APP	26.2			4,976		8.1    0			
KKJB D15 DT LIC	21.1			7,049	21.1    7,049	3.0    2,073			

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Interference to BLANK0000063943 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KKJB	D15	DT	LIC	BOISE, ID	BLANK0000063943			
Undesireds:	KIWG-LD	D14	LD	APP	BOISE, ID	KIWG_Ch14_Omni	35.2 km		
	KPIF	D15	DT	LIC	POCATELLO, ID	BLANK0000001051	308.4		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
12658.5    630,253		11726.9    624,205		11726.9    624,205		11715.8    623,972	0.09    0.04		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KIWG-LD D14 LD APP	11.1			233		11.1    233			

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Interference to BLANK0000063943 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KKJB	D15	DT	LIC	BOISE, ID	BLANK0000063943			
Undesireds:	KIWG-LD	D14	LD	APP	BOISE, ID	KIWG_Ch14_Omni	35.2 km		
	KPIF	D15	DT	APP	POCATELLO, ID	BLANK0000035740	308.4		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
12658.5    630,253		11726.9    624,205		11725.9    624,205		11714.8    623,972	0.09    0.04		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KIWG-LD D14 LD APP	11.1			233		11.1    233			

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIWG-LD	D14	LD	APP	BOISE, ID	KIWG_Ch14_Omni	
Undesireds:	K14QO-D	D14	LD	CP	BOISE, ID	BNPDTL20090825BYC	38.8 km
	K14SE-D	D14	LD	LIC	MCDERMITT, NV	BLANK0000067079	189.5
	KKJB	D15	DT	LIC	BOISE, ID	BLANK0000063943	35.2

Service area		Terrain-limited		IX-free		Percent IX	
3277.4	578,698	3039.6	561,566	2976.4	559,561	2.08	0.36
Undesired		Total IX		Unique IX		Prcnt Unique IX	
K14QO-D	D14 LD CP	2.0	12	0.0	0	0.00	0.00
KKJB	D15 DT LIC	63.2	2,005	61.2	1,993	2.01	0.35