INTERFERENCE ANALYSIS FOR PROPOSED KIDK-LD, REXBURG, ID, CHANNEL 26

```
tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: kidk26p4,  Model: Longley-Rice

Study build station data: LMS TV 2018-04-11

    Proposal: KIDK26P4 D26 LD APP IDAHO FALLS, ID
 File number: kidk26p4
 Facility ID: 56028
Station data: User record
   Record ID: 2599
     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	K25NP-D	D25	LD	CP	BLACKFOOT, ID	BNPDTL20100609AHJ	67.2 km
Yes	K25NQ-D	D25	LD	CP	DUBOIS, ID	BNPDTL20100609AHV	54.9
No	K25CK-D	D25	LD	LIC	MONTPELIER, ID	BLDTT20111115AHA	154.8
No	K25HG-D	D25	LD	LIC	PRESTON, ID	BLDTT20111116AIC	177.9
No	K47HF-D	D25	LD	APP	SODA SPRINGS, ID	BLANK0000029618	122.6
No	K51DW-D	D25	LD	APP	DILLON, MT	BLANK0000016420	178.3
No	K26LT-D	D26	LD	CP	BOISE, ID	BPDTL20100517AAT	360.0
No	K26LE-D	D26	LD	LIC	CASCADE, ID	BLDTT20110919AFL	339.6
No	K51FL-D	D26	LD	APP	GARDEN VALLEY, ID	BLANK0000051753	312.0
No	K26LN-D	D26	LD	CP	TWIN FALLS, ID	BMJADTL20100520ACE	228.6
No	K26DE-D	D26	LD	LIC	BOZEMAN, MT	BLDTL20101101ACE	219.6
No	K26GL-D	D26	LD	LIC	COLUMBUS, MT	BLDTT20130807AAR	299.6
No	K26KA-D	D26	LD	CP	DRUMMOND, MT	BLANK0000019043	336.2
No	K26KA-D	D26	LD	LIC	DRUMMOND, MT	BLDTT20131122AWS	336.2
No	K26LQ-D	D26	LD	LIC	WHITE SULPHUR SPRING, MT	BLDTL20120316ABQ	324.3
No	K26JB-D	D26	LD	LIC	WELLS, NV	BLDTT20090709AOS	373.4
No	K26IK-D	D26	LD	LIC	HEBER & MIDWAY, UT	BLDTT20110202ABX	353.2
No	K26LF-D	D26	LD	LIC	HENEFER, ETC., UT	BLDTT20130322ACB	307.7
No	KCVB-CD	D26	DC	LIC	LOGAN, UT	BLDTA20111020AGF	241.2
No	K26IJ-D	D26	LD	LIC	MORGAN, ETC., UT	BLDTT20090608AAR	295.7
No	K26GH-D	D26	LD	LIC	RANDOLPH & WOODRUFF, UT	BLDTT20100422ACK	242.4
No	KUCL-LD	D26	LD	LIC	SALT LAKE CITY, UT	BLDTL20110503ABW	333.2
No	K26IM-D	D26	LD	LIC	SAMAK, UT	BLDTT20090624ABP	347.9
No	K26MI-D	D26	LD	CP	WENDOVER, UT	BNPDTL20100513ADL	356.1
No	K26GI	N26	TX	LIC	WOODLAND & KAMAS, UT	BLTT20030618ABJ	355.4
No	K27KP-D	D27	LD	LIC	DRIGGS, ID	BLDTT20111107ARN	66.6
Yes	K27MD-D	D27	LD	CP	IDAHO FALLS, ID	BNPDTL20100609AHO	16.7
No	K27CS-D	D27	LD	LIC	MONTPELIER, ID	BLDTT20111115AHB	154.8
No	K27GM-D	D27	LD	LIC	PRESTON, ID	BLDTT20111116AIB	177.9
No	K45GG-D	D27	LD	APP	SODA SPRINGS, ID	BLANK0000029615	122.6
No	KBAX-LD	D27	LD	LIC	TWIN FALLS, ID	BLDTL20120207AOC	228.7
No	K27ME-D	D27	LD	CP	DELL, MT	BNPDTL20100609AID	111.2
No	K33DS	N33-	TX	LIC	FREEDOM-ETNA, WY	BLTT19921130JH	104.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D26
       Mask: Stringent
   Latitude:  43 43 16.00 N (NAD83)
  Longitude: 111 56 33.00 W
Height AMSL: 1545.1 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: ERI-AL8-OC (ID 101661) 45.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.75
```

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.1 kW	72.3 m	39.0 km
45.0	15.0	69.1	39.6
90.0	12.1	46.4	34.1
135.0	7.22	52.5	33.1
180.0	6.42	72.3	36.0
225.0	7.54	85.1	38.6
270.0	6.42	87.2	38.1
315.0	7.22	74.0	36.8

```
Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 70 m

Distance to Canadian border: 586.6 km
```

INTERFERENCE ANALYSIS FOR PROPOSED KIDK-LD, REXBURG, ID, CHANNEL 26

Distance to Mexican border: 1246.5 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 309.3 degrees Distance: 999.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 123.4 degrees Distance: 680.2 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 BNPDTL20100609AHV CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K25NQ-D	D25	LD	CP	DUBOIS, ID	BNPDTL20100609AHV	
Undesireds:	KIDK26P4	D26	LD	APP	IDAHO FALLS, ID	kidk26p4	54.9 km

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1467.8	1,221	1422.4	1,188	1422.4	1,188	1418.4	1,188	0.28	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KIDK26P4 D26 LD APP	4.0	0	4.0 0

Interference to BNPDTL20100609AHO CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K27MD-D	D27	LD	CP	IDAHO FALLS, ID	BNPDTL20100609AHO	
Undesireds:	KIDK26P4	D26	LD	APP	IDAHO FALLS, ID	kidk26p4	16.7 km
	K28LE-D	D28	LD	LIC	IDAHO FALLS, ID	BLDTL20140225ABP	17.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1238.0	119,855	1219.7	119,841	1055.2	118,801	990.3	117,235	6.15	1.32

Undesired	Total IX	Unique IX, before	Unique IX, after
KIDK26P4 D26 LD APP	90.2 1,592		64.9 1,566
K28LE-D D28 LD LIC	164.5 1,040	164.5 1,040	139.3 1,014

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIDK26P4	D26	LD	APP	IDAHO FALLS, ID	kidk26p4	
Undesireds:	K25NQ-D	D25	LD	CP	DUBOIS, ID	BNPDTL20100609AHV	54.9 km
	K26KA-D	D26	LD	CP	DRUMMOND, MT	BLANK0000019043	336.2
	K27MD-D	D27	LD	CP	IDAHO FALLS, ID	BNPDTL20100609AHO	16.7

Service area		Terrain-limited		IX-free		Percent IX	
4174.0	175,022	4017.7	174,999	3988.4	174,967	0.73	0.02

Undesired	Total IX		Unique IX		Prcnt Unique IX	
K25NQ-D D25 LD CP	4.0	0	4.0	0	0.10	0.00
K27MD-D D27 LD CP	25.2	32	25.2	32	0.63	0.02
