

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KYUU-LD Comm Ant 15K, Model: Longley-Rice
Start: 2023.11.10 11:42:08

Study created: 2023.11.10 11:42:07

Study build station data: LMS TV 2023-11-09

Proposal: KYUU-LD D28 LD APP BOISE, ID
File number: KYUU-LD Comm Ant 15K
Facility ID: 190303
Station data: User record
Record ID: 227
Country: U.S.

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

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KBKI-LD	D27	LD	LIC	BOISE, ID	BLANK0000190022	54.3 km
No	K27DX-D	D27	DC	LIC	MCCALL, ID	BLDTA20140915ACG	112.4
No	KBAX-LD	D27	LD	LIC	TWIN FALLS, ID	BLDTL20120207AOC	177.7
No	K27MX-D	D27	LD	LIC	BAKER VALLEY, OR	BLANK0000067881	163.8
No	K28LE-D	D28	LD	LIC	IDAHO FALLS, ID	BLDTL20140225ABP	339.6
Yes	KSAW-LD	D28	LD	LIC	TWIN FALLS, ID	BLANK0000176722	177.7
No	K28LH-D	D28	LD	LIC	BEOWAWE, NV	BLANK0000218429	351.8
No	K28PJ-D	D28	LD	LIC	ELKO, NV	BLANK0000220441	340.1
No	K28PB-D	D28	LD	LIC	MCDERMITT, NV	BLANK0000085813	271.5
No	K28MH-D	D28	LD	CP	BEND, OR	BLANK0000177436	393.3
No	K28JC-D	D28	LD	LIC	ENTERPRISE, OR	BLDTT20110309AAH	209.3
No	K28GD-D	D28	LD	LIC	HEPPNER, ETC., OR	BLDTT20111117ARH	300.8
Yes	K28NY-D	D28	LD	LIC	LA GRANDE, OR	BLANK0000067875	234.9
No	K28FT-D	D28	LD	LIC	MILTON-FREEWATER, OR	BLDTT20111206BCR	286.9
No	K28LO-D	D28	LD	LIC	PAISLEY, OR	BLDTT20120524AHT	378.3
No	KSTU	D28	DT	LIC	SALT LAKE CITY, UT	BLCDT20120305ABX	470.4
No	K28QK-D	D28	LD	LIC	PASCO, WA	BLANK0000170104	349.0
No	KAYU-TV	D28	DT	LIC	SPOKANE, WA	BLCDT20091029ACN	435.0
Yes	KIWB-LD	D29	LD	LIC	BOISE, ID	BLANK0000126124	3.6
No	K29NB-D	D29	LD	LIC	CASCADE, ID	BLANK0000156694	85.4
No	K29GV-D	D29	LD	LIC	HAGERMAN, ID	BLDTL20100113ADE	139.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28
Mask: Full Service
Latitude: 43 45 20.80 N (NAD83)
Longitude: 116 5 57.00 W
Height AMSL: 2241.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: TFU-32GTQ_VP-R 08 BB 0.0 deg
Elev Pattnr: Generic
Elec Tilt: 0.75

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.8 kW	662.8 m	68.2 km
45.0	10.9	689.3	68.8
90.0	10.8	903.2	72.9
135.0	10.9	865.9	72.3

180.0	10.8	700.9	69.0
225.0	10.9	1081.5	76.8
270.0	10.8	1002.4	75.0
315.0	10.9	954.7	74.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 858 m

Distance to Canadian border: 583.0 km

Distance to Mexican border: 1232.5 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 321.7 degrees Distance: 760.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 110.4 degrees Distance: 980.9 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 BLANK0000190022 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBKI-LD	D27	LD	LIC	BOISE, ID	BLANK0000190022	
Undesireds:	KYUU-LD	D28	LD	APP	BOISE, ID	KYUU-LD Comm Ant 15K	54.3 km
	K27DX-D	D27	DC	LIC	MCCALL, ID	BLDTA20140915ACG	114.9
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	5321.0	465,587	4969.8	461,493	4963.8 461,493	4947.7 461,386	0.33 0.02
Undesired				Total IX	Unique IX, before	Unique IX, after	
KYUU-LD D28 LD APP			16.2	107		16.2 107	
K27DX-D D27 DC LIC			6.0	0	6.0 0	6.0 0	

Interference to BLANK0000176722 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSAW-LD	D28	LD	LIC	TWIN FALLS, ID	BLANK0000176722	
Undesireds:	KYUU-LD	D28	LD	APP	BOISE, ID	KYUU-LD Comm Ant 15K	177.7 km
	K29GV-D	D29	LD	LIC	HAGERMAN, ID	BLDTL20100113ADE	42.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	6130.8	117,923	6023.9	117,653	6003.8 116,404	5957.2 116,395	0.78 0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
KYUU-LD D28 LD APP			46.6	9		46.6 9	
K29GV-D D29 LD LIC			20.1	1,249	20.1 1,249	20.1 1,249	

Interference to BLANK0000067875 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K28NY-D	D28	LD	LIC	LA GRANDE, OR	BLANK0000067875	
Undesireds:	KYUU-LD	D28	LD	APP	BOISE, ID	KYUU-LD Comm Ant 15K	234.9 km
	K28MH-D	D28	LD	LIC	BEND, OR	BLANK0000165597	279.2
	K28JC-D	D28	LD	LIC	ENTERPRISE, OR	BLDTT20110309AAH	40.0
	K28GD-D	D28	LD	LIC	HEPPNER, ETC., OR	BLDTT20111117ARH	112.1
	K28KJ-D	D28	LD	LIC	CHELAN, WA	BLDTL20111012ABP	309.8

K28QK-D	D28	LD	LIC	PASCO, WA	BLANK0000170104	115.4
KAYU-TV	D28	DT	LIC	SPOKANE, WA	BLCDT20091029ACN	242.4
K29EL-D	D29	LD	LIC	LA GRANDE, OR	BLD TT20120625ABJ	19.1
KRLB-LD	D29	LD	CP	RICHLAND, ETC, WA	BLANK0000029420	141.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5071.2 25,774	3772.0 25,069	3677.6 25,053	3676.6 25,053	0.03 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KYUU-LD D28 LD APP 1.0	0	1.0	0
K28JC-D D28 LD LIC 57.0	16	51.0	16
K28GD-D D28 LD LIC 8.1	0	5.0	0
K28QK-D D28 LD LIC 1.0	0	0.0	0
KAYU-TV D28 DT LIC 7.1	0	3.0	0
K29EL-D D29 LD LIC 35.2	0	24.2	0

Interference to BLANK0000126124 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KIWB-LD	D29	LD	LIC	BOISE, ID	BLANK0000126124	
Undesireds: KYUU-LD	D28	LD	APP	BOISE, ID	KYUU-LD Comm Ant 15K	3.6 km
K29KG-D	D29	LD	CP	IDAHO FALLS, ID	BLANK0000213583	308.3
K29EL-D	D29	LD	LIC	LA GRANDE, OR	BLD TT20120625ABJ	215.5
DK30KR-D	D30	LD	APP	BOISE, ID	BLD TL20140121ABM	32.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
6095.0 609,748	5578.1 592,025	5476.3 592,025	5373.4 588,480	1.88 0.60

Undesired	Total IX	Unique IX, before	Unique IX, after
KYUU-LD D28 LD APP 105.8	3,545	102.8	3,545
K29EL-D D29 LD LIC 1.0	0	0.0	0
DK30KR-D D30 LD APP 101.8	0	100.8	0

Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KYUU-LD	D28	LD	APP	BOISE, ID	KYUU-LD Comm Ant 15K	
Undesireds: KBKI-LD	D27	LD	LIC	BOISE, ID	BLANK0000190022	54.3 km
KSAW-LD	D28	LD	LIC	TWIN FALLS, ID	BLANK0000176722	177.7
KIWB-LD	D29	LD	LIC	BOISE, ID	BLANK0000126124	3.6

Service area	Terrain-limited	IX-free	Percent IX
16464.1 629,473	13728.9 620,272	13711.8 617,857	0.12 0.39

Undesired	Total IX	Unique IX	Prcnt Unique IX
KBKI-LD D27 LD LIC 5.1	18	5.1	18
KSAW-LD D28 LD LIC 1.0	0	1.0	0
KIWB-LD D29 LD LIC 11.1	2,397	11.1	2,397