

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: BLDTL20110418ABC, Model: Longley-Rice
Start: 2017.08.29 14:56:27

Study created: 2017.08.29 14:55:46

Study build station data: LMS TV 2017-08-27 (23)

Proposal: K31KH-D D31 LD LIC STATELINE, NV
File number: BLDTL20110418ABC
Facility ID: 125591
Station data: User record
Record ID: 705
Country: U.S.

Build options:
Protect records not on baseline channel
Protect baseline records from LPTV

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
K32GW-D	D32	LD	LIC	CARSON CITY, NV	BLDTT20070529ADO	39.0 km

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
Mask: Stringent
Latitude: 38 57 35.00 N (NAD83)
Longitude: 119 56 24.00 W
Height AMSL: 1987.0 m
HAAT: 0.0 m
Peak ERP: 10.1 kW
Antenna: SBP-UPSL-2 (ID 102640) 215.0 deg
Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-5.7 m	2.1 km
45.0	0.000	31.7	2.1
90.0	0.000	307.6	1.9
135.0	0.023	-214.0	6.9
180.0	4.01	-409.5	23.9
225.0	8.49	-5.2	27.3
270.0	1.20	5.1	18.3
315.0	0.000	87.0	1.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -25 m

Distance to Canadian border: 1069.5 km

Distance to Mexican border: 742.3 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 229.6 degrees Distance: 209.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 79.5 degrees Distance: 1264.0 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 BLDTT20070529ADO LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K32GW-D	D32	LD	LIC	CARSON CITY, NV	BLDTT20070529ADO	

Undesireds:	K31KH-D	D31	LD	LIC	STATELINE, NV	BLDTL20110418ABC	39.0 km
	K31LJ-D	D31	LD	CP	CARSON CITY, NV	BNPDTL20090825BND	12.7
	K31BM-D	D31	LD	LIC	SILVER SPRINGS, NV	BLDTT20100621ABA	41.7
	KFKK-LD	D32	LD	LIC	Modesto, CA	BLANK0000008127	211.6
	KCNS	D32	DT	CP	SAN FRANCISCO, CA	BLANK00000029156	291.6
	K32LD-D	D32	LD	CP	LOVELOCK, NV	BNPDTL20100512AHA	126.9
	KNPB	D33	LD	LIC	RENO, NV	BLEDT20111026AAC	28.4
	K33IB-D	D33	LD	LIC	SILVER SPRINGS, NV	BLDTT20100803ABT	42.7
	K33ER-D	D33	LD	LIC	VERDI/MOGUL, NV	BLDTT20140618ABM	40.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	9170.3	566,743	5478.8	449,947	5432.2	444,451	5430.2	444,451	0.04 0.00

Undesired				Total IX	Unique IX, before	Unique IX, after
K31KH-D D31 LD LIC		3.0		0		2.0 0
K31LJ-D D31 LD CP		9.9		4,382	8.9 4,306	8.9 4,306
K31BM-D D31 LD LIC		8.9		2	1.0 0	1.0 0
KCNS D32 DT CP		1.0		0	1.0 0	1.0 0
K32LD-D D32 LD CP		17.9		2	13.9 0	12.9 0
KNPB D33 LD LIC		6.9		1,112	6.9 1,112	6.9 1,112
K33IB-D D33 LD LIC		14.8		78	4.9 0	4.9 0

Interference to BLDTT20070529ADO LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K32GW-D	D32	LD	LIC	CARSON CITY, NV	BLDTT20070529ADO	
Undesireds:	K31KH-D	D31	LD	LIC	STATELINE, NV	BLDTL20110418ABC	39.0 km
	K31LJ-D	D31	LD	CP	CARSON CITY, NV	BNPDTL20090825BND	12.7
	K31BM-D	D31	LD	LIC	SILVER SPRINGS, NV	BLDTT20100621ABA	41.7
	KFKK-LD	D32	LD	LIC	Modesto, CA	BLANK0000008127	211.6
	KCNS	D32	DT	CP	SAN FRANCISCO, CA	BLANK00000029156	291.6
	K32LD-D	D32	LD	CP	LOVELOCK, NV	BNPDTL20100512AHA	126.9
	KNPB	D33	LD	LIC	RENO, NV	BLEDT20111026AAC	28.4
	K33IB-D	D33	LD	LIC	SILVER SPRINGS, NV	BLDTT20100803ABT	42.7
	K33ER-D	D33	LD	CP	VERDI/MOGUL, NV	BDFCDTT20080922AEY	40.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	9170.3	566,743	5478.8	449,947	5431.2	444,451	5429.2	444,451	0.04 0.00

Undesired				Total IX	Unique IX, before	Unique IX, after
K31KH-D D31 LD LIC		3.0		0		2.0 0
K31LJ-D D31 LD CP		9.9		4,382	8.9 4,306	8.9 4,306
K31BM-D D31 LD LIC		8.9		2	1.0 0	1.0 0
KCNS D32 DT CP		1.0		0	1.0 0	1.0 0
K32LD-D D32 LD CP		17.9		2	13.9 0	12.9 0
KNPB D33 LD LIC		6.9		1,112	6.9 1,112	6.9 1,112
K33IB-D D33 LD LIC		14.8		78	4.9 0	4.9 0
K33ER-D D33 LD CP		1.0		0	1.0 0	1.0 0

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31KH-D	D31	LD	LIC	STATELINE, NV	BLDTL20110418ABC	
Undesireds:	KTVU	D31	DT	CP	OAKLAND, CA	BLANK00000027689	256.7 km

	Service area		Terrain-limited		IX-free		Percent IX
	748.3	31,570	667.4	31,490	664.4	31,490	0.45 0.00

Undesired				Total IX	Unique IX	Prcnt Unique IX
KTVU D31 DT CP		3.0		0	3.0 0	0.45 0.00