

tvstudy v2.2.3 (ujVPF2)
Database: 127.0.0.1, Study: BLDTL20100928AAC, Model: Longley-Rice
Start: 2017.08.22 15:34:45

Study created: 2017.08.22 15:34:21

Study build station data: LMS TV 2017-08-22 (11)

Proposal: K48HV-D D31 LD LIC KLAMATH FALLS, OR
File number: BLDTL20100928AAC
Facility ID: 5008
Station data: User record
Record ID: 101
Country: U.S.

Build options:
Protect records not on baseline channel

No protected stations found.

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: 42 5 55.50 N (NAD83)
Longitude: 121 38 5.90 W
Height AMSL: 2011.8 m
HAAT: 0.0 m
Peak ERP: 0.500 kW
Antenna: SCA-SL-8 (ID 23503) 334.0 deg
Elev Pattn: Generic
Elec Tilt: 2.00

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.478 kW	606.5 m	46.5 km
45.0	0.300	649.9	44.3
90.0	0.211	557.4	40.6
135.0	0.246	723.0	44.2
180.0	0.230	761.8	44.5
225.0	0.212	740.5	43.6
270.0	0.341	755.2	46.8
315.0	0.481	752.3	49.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 693 m

Distance to Canadian border: 697.0 km

Distance to Mexican border: 1119.0 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 181.2 degrees Distance: 486.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 93.5 degrees Distance: 1386.3 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 proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K48HV-D	D31	LD	LIC	KLAMATH FALLS, OR	BLDTL20100928AAC	
Undesireds:	K30JS-D	D30	LD	APP	YREKA, CA	BLD TT20150211AAX	98.4 km
	KEUV-LP	D31	LD	CP	EUREKA, CA	BLANK0000010638	247.6
	K31GP-D	D31-	LD	LIC	BROOKINGS, ETC., OR	BLANK0000021714	218.4
	Service area	Terrain-limited		IX-free		Percent IX	
6373.5	63,012	4893.4		61,094	4893.4	61,094	0.00 0.00