

Study created: 2018.04.02 16:33:52

Study build station data: LMS TV 2018-03-30

Proposal: K50GP-D D31+ LD LIC REDDING, CA  
File number: BLANK0000008125  
Facility ID: 68088  
Station data: User record  
Record ID: 1163  
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File
Number		Distance				
No	KXVU-LP	N17-	TX	LIC	CHICO, CA	
	BLTTL20060303AAJ		91.7	km		
No	KUCO-LP	N27+	TX	LIC	CHICO, CA	
	BLTTL20050405AAP		91.6			
No	KKTF-LD	D30	LD	LIC	CHICO, CA	
	BLDTL20100716AAP		91.6			
Yes	K30MI-D	D30	LD	LIC	REDDING, CA	
	BLDTL20121205ADS		13.0			
No	K30JS-D	D30	LD	LIC	YREKA, CA	
	BLDTT20150211AAX		112.9			
No	K30JS-D	D30	LD	LIC	YREKA, CA	
	BLDTT20091118ABZ		112.9			
No	K30JS-D	D30	LD	CP	YREKA, CA	
	BPDTT20120411ABT		112.9			
No	KBLN-TV	D30	DT	LIC	GRANTS PASS, OR	
	BLCDT20090224AAX		210.6			
Yes	NEW	D31	LD	APP	CHICO, CA	
	BNPDTL20090825BPI		92.5			
No	NEW	D31	LD	APP	CHICO, CA	
	BNPDTL20090825APB		91.7			
No	KEUV-LP	D31	LD	CP	EUREKA, CA	
	BLANK0000010638		135.1			
No	KEUV-LP	N31z	TX	LIC	EUREKA, CA	
	BLTTL20050729AMX		135.1			
No	K31MN-D	D31	LD	CP	MODESTO, CA	
	BDCCDTT20120726ABW		349.2			
No	KTVU	D31	DT	CP	OAKLAND, CA	
	BLANK0000034500		317.4			
Yes	K42HL-D	D31	LD	APP	OROVILLE, CA	
	BLANK0000030068		132.0			
Yes	NEW	D31	LD	APP	REDDING, CA	
	BNPDTL20090825ATG		0.2			

Yes	NEW	D31	LD	APP	REDDING, CA
	BNPDTL20090825BPH		12.9		
No	KMUM-CD	D31	DC	LIC	SACRAMENTO, CA
	BLDTA20131219BOH		225.1		
No	KBCW	D31	LD	APP	SAN FRANCISCO, CA
	BDRTC20090630AEG		247.0		
No	K31IE-D	D31	LD	LIC	SUSANVILLE, ETC, CA
	BLDTT20101207AFO		171.8		
No	K31GK-D	D31	LD	LIC	UKIAH, CA
	BLDTL20120509AFQ		176.8		
No	K31LJ-D	D31	LD	CP	CARSON CITY, NV
	BNPDTL20090825BND		277.5		
No	K31BM-D	D31	LD	LIC	SILVER SPRINGS, NV
	BLDTT20100621ABA		288.8		
No	K31KH-D	D31	LD	CP	STATELINE, NV
	BDFCDTL20090824ABT		277.0		
No	K31KH-D	D31	LD	LIC	STATELINE, NV
	BLDTL20110418ABC		277.6		
No	K31GP-D	D31-	LD	LIC	BROOKINGS, ETC., OR
	BLANK0000021714		225.6		
No	K31GP-D	N31-	TX	LIC	BROOKINGS, ETC., OR
	BLTT20051214ACA		225.6		
No	KLSR-TV	D31	DT	LIC	EUGENE, OR
	BLCDT20070104ADQ		381.7		
No	K48HV-D	D31	LD	APP	KLAMATH FALLS, OR
	BLANK0000035381		176.7		
No	K31KZ-D	D31	LD	LIC	LAKEVIEW, OR
	BLDTL20120604AEA		243.6		
No	K31AE-D	D31	LD	LIC	SUTHERLIN, OR
	BLDTT20121203BGY		312.1		
No	KEMO-TV	D32	DD	LIC	FREMONT, CA
	BLANK0000001594		216.8		
Yes	K32LM-D	D32	LD	CP	REDDING, CA
	BLANK0000004699		46.1		
No	K32LQ-D	D32	LD	LIC	YREKA, CA
	BLANK0000017048		125.6		
No	K32DY-D	D32	DC	LIC	MEDFORD`, OR
	BLDTA20150213ADA		190.1		
Yes	K33HH	N33	TX	LIC	REDDING, CA
	BLTTL20030507AAC		12.9		
No	K38FQ	N38+	TX	LIC	ANDERSON/CENTRL VAL., CA
	BLTTL20000710AAX		12.9		

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: Full Service  
Latitude: 40 36 36.50 N (NAD83)  
Longitude: 122 22 48.00 W

Height AMSL: 224.8 m (Adjusted based on actual ground elevation calculation)

HAAT: 0.0 m

Peak ERP: 10.0 kW

Antenna: DIE-DLP-8B (ID 100585) 180.0 deg

Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	4.79 kW	-104.0 m	24.7 km
45.0	4.08	-12.9	24.0
90.0	4.71	40.7	27.6
135.0	8.04	59.3	34.5
180.0	10.0	65.9	36.6
225.0	8.04	-38.5	27.1
270.0	4.71	-87.4	24.6
315.0	4.08	-248.7	24.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: -41 m

Distance to Canadian border: 851.3 km

Distance to Mexican border: 993.1 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 170.3 degrees    Distance: 325.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 86.4 degrees    Distance: 1448.7 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%

\*\*MX with BNPDTL20090825ATG APP scenario 1, 77.86% interference caused

\*\*MX with BNPDTL20090825BPH APP scenario 1, 19.81% interference caused

\*\*MX with BNPDTL20090825BPH APP scenario 2, 19.81% interference caused

\*\*MX with BNPDTL20090825BPH APP scenario 3, 19.81% interference caused

---- Below is IX received by proposal BLANK0000008125 ----

\*\*MX with scenario 1, 86.53% interference received