

tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: K04EQ to 22 50w CL1469B, Model: Longley-Rice  
 Start: 2021.05.03 11:16:09

Study created: 2021.05.03 11:16:09

Study build station data: LMS TV 2021-05-03

Proposal: K04EQ D22 LD APP FORT JONES, ETC., CA  
 File number: K04EQ to 22 50w CL1469B  
 Facility ID: 8242  
 Station data: User record  
 Record ID: 493  
 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
No	K21LW-D	D21	LD	LIC	GAZELLE, CA	BLDTT20130912ADD	33.3 km
No	KRVU-LD	D21	LD	LIC	REDDING, CA	BLDTL20091019AAB	96.5
No	K21OO-D	D21	LD	LIC	SOUTH EUREKA, LOLETA, CA	BLANK0000068040	135.5
No	K21KB-D	D21	LD	LIC	BROOKINGS, OR	BLDTL20120612AAW	135.0
No	K21KE-D	D21	LD	LIC	CANYONVILLE, OR	BLDTL20120606AAJ	162.2
No	K21JI-D	D21	LD	LIC	CAVE JUNCTION, ETC., OR	BLDTT20091118ACE	106.9
No	K21KO-D	D21	LD	CP	GRANTS PASS, OR	BNPDTL20090825BGL	130.8
No	K21BG-D	D21	LD	LIC	JACKSONVILLE, OR	BLDTT20090521AFG	93.6
No	K38FQ	D22+	LD	CP	ANDERSON/CENTRL VAL., CA	BLANK0000034272	98.8
No	KAFF-TV	D22	DT	LIC	ARCATA, CA	BLCDT20071012ASQ	120.0
No	K22LE-D	D22	LD	LIC	CEDARVILLE, CA	BLDTT20120730AKH	236.7
No	KZVU-LD	D22	LD	LIC	CHICO, CA	BLDTL20091016ABN	196.1
No	KZHD-LD	D22	LD	CP	Cotati, CA	BLANK0000107512	349.5
No	KZHD-LD	D22	LD	LIC	Cotati, CA	BLANK0000107038	334.4
No	KTXL	D22	DT	LIC	SACRAMENTO, CA	BLANK0000117080	375.3
No	K45AH	D22	LD	CP	UKIAH, CA	BLANK0000081271	261.5
No	KNPB	D22	LD	LIC	RENO, NV	BLANK0000063431	347.2
No	K22JV-D	D22	LD	CP	RENO, NV	BNPDTL20090825BOP	342.7
No	K22JC-D	D22	LD	LIC	SILVER SPRINGS, NV	BLDTT20121204ACN	377.6
No	K22JT-D	D22	LD	CP	ASHLAND, OR	BNPDTL20090825BFM	72.2
No	K22JS-D	D22	LD	LIC	ASHLAND, OR	BLDTL20140221ACM	72.2
No	K22IQ-D	D22	LD	LIC	CAVE JUNCTION, OR	BLDTT20080714ACE	106.9
No	KMCB	D22	DT	CP	COOS BAY, OR	BLANK0000035789	235.9
No	KMCB	D22	DT	LIC	COOS BAY, OR	BLCDT20030717ACA	235.9
No	K22HO-D	D22	LD	LIC	COTTAGE GROVE, OR	BLDTT20090330AAP	257.1
No	K22FC-D	D22	DC	LIC	GRANTS PASS, OR	BLDTA20140411AKR	114.4
No	K22OB-D	D22	LD	LIC	MEDFORD, OR	BLANK0000139991	109.4
No	K22IL-D	D22	LD	LIC	PRINEVILLE, ETC., OR	BLDTT20091202ACB	367.1
No	K22MB-D	D22	LD	LIC	ROSEBURG, OR	BLANK0000059570	196.6
No	KPXG-TV	D22	DT	LIC	SALEM, OR	BLCDT20110715ACN	451.0
No	DK22LB-D	D22	LD	APP	SQUAW VALLEY, OR	BLDTT20120607ADH	157.5
No	K22GX-D	D22	LD	LIC	TRI CITY, OR	BLDTT20120607ADL	174.4
No	K44JF-D	D23	LD	LIC	CRESCENT CITY, CA	BLANK0000055353	118.5
No	KRDT-CD	D23	DC	CP	REDDING, CA	BLANK0000036140	98.8
No	KRDT-CD	D23	DC	LIC	REDDING, CA	BLDTA20110620AEA	96.6
No	K13LO	D23	LD	CP	YREKA, ETC., CA	BLANK0000143877	36.6
No	K23KS-D	D23	LD	CP	GRANTS PASS, OR	BNPDTL20090825BGN	130.8
No	K23PA-D	D23	LD	CP	KLAMATH FALLS, OR	BLANK0000072101	128.2
No	K23EX-D	D23	DC	LIC	MEDFORD, OR	BLDTA20131125BZO	99.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22  
 Mask: Simple  
 Latitude: 41 27 59.50 N (NAD83)  
 Longitude: 122 55 44.10 W  
 Height AMSL: 1637.0 m  
 HAAT: 0.0 m  
 Peak ERP: 0.050 kW  
 Antenna: CL 1469B X2 Bent Peanut 0.0 deg  
 Elev Pattn: Generic

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.033 kW	684.8 m	32.6 km
45.0	0.026	775.6	32.6
90.0	0.000	569.5	4.4
135.0	0.039	685.1	33.6
180.0	0.019	231.6	18.9
225.0	0.000	1.8	1.7
270.0	0.000	-130.0	1.7
315.0	0.000	195.1	1.7

Database HAAT does not agree with computed HAAT  
 Database HAAT: 0 m Computed HAAT: 377 m

Distance to Canadian border: 752.7 km

Distance to Mexican border: 1098.8 km

Conditions at FCC monitoring station: Livermore CA  
 Bearing: 166.0 degrees Distance: 427.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 89.8 degrees Distance: 1491.5 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%

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K04EQ	D22	LD	APP	FORT JONES, ETC., CA	K04EQ to 22 50w CL1469	
Undesireds:	K38FQ	D22+	LD	CP	ANDERSON/CENTRL VAL., CA	BLANK0000034272	98.8 km
	KZVU-LD	D22	LD	LIC	CHICO, CA	BLDTL20091016ABN	196.1
	KMCB	D22	DT	CP	COOS BAY, OR	BLANK0000035789	235.9
	KRDT-CD	D23	DC	CP	REDDING, CA	BLANK0000036140	98.8

Service area	Terrain-limited	IX-free	Percent IX
1402.4	5,421	1254.5	5,180
		1238.4	5,180
			1.29
			0.00

Undesired	Total IX	Unique IX	Prcnt Unique IX
K38FQ D22+ LD CP	13.1	0	9.1
KZVU-LD D22 LD LIC	7.1	0	3.0
			0
			0.72
			0.24
			0.00