

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KKTF-LD 17 STA 1049506, Model: Longley-Rice
Start: 2021.12.30 09:14:45

Study created: 2021.12.30 09:14:45

Study build station data: LMS TV 2021-12-30

Proposal: KKTF-LD D17 LD APP CHICO, CA
File number: KKTF-LD 17 STA 1049506
Facility ID: 131020
Station data: User record
Record ID: 343
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

Individual records excluded:
20060303AAJ KXVU-LD N17- TX LIC CHICO, CA BLTTL20060303AAJ
58605 KCVU D17 DT BL PARADISE, CA DTVBL58605

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K16JJ-D	D16	LD	CP	EUREKA, CA	BLANK0000153507	208.2 km
No	K16LP-D	D16	LD	LIC	PARADISE, CA	BLANK0000058730	29.2
No	K16IW-D	D16	LD	LIC	REDDING, CA	BLANK0000001146	103.1
No	K16IW-D	D16	LD	CP	REDDING, CA	BLANK0000010674	103.1
No	K40JV-D	D16	LD	CP	STATELINE, ETC., CA	BLANK0000054391	185.4
No	KEVO-LD	D16	LD	LIC	Reno, NV	BLANK0000176872	158.4
No	KTVL	D16	DT	APP	MEDFORD, OR	BLANK0000127637	250.3
No	DKJRW	D17	DT	BL	EUREKA, CA	DTVBL42640	227.6
No	K17JI-D	D17	DC	LIC	FRESNO, CA	BLANK0000124967	415.4
No	K17HE-D	D17	LD	LIC	SUSANVILLE, ETC, CA	BLDTL20101207AFM	126.9
No	K17CG-D	D17	LD	LIC	UKIAH, CA	BLDTL20120509AFR	151.2
No	K17BA-D	D17	LD	LIC	YREKA, CA	BLDTT20100113ADI	198.7
No	K17BA-D	D17	LD	CP	YREKA, CA	BDFCDTT20090325AEK	198.8
No	K17CA-D	D17	LD	LIC	CARSON CITY, NV	BLDTT20090108AAO	189.0
No	K17FR-D	D17	LD	LIC	WALKER LAKE, NV	BLDTT20120229ABR	311.2
No	K17HB-D	D17	LD	LIC	WINNEMUCCA, NV	BLDTT20120117AEB	352.9
No	K17DU-D	D17	LD	LIC	CHRISTMAS VALLEY, OR	BLDTL20120605AAZ	362.7
No	KMTR	D17	DT	LIC	EUGENE, OR	BLCDT20030618AAY	473.8
No	KMTR	D17	DT	CP	EUGENE, OR	BLANK0000035793	463.7
No	K17EZ-D	D17	LD	LIC	ROGUE RIVER, OR	BLDTL20110325ABA	299.2
No	K17EZ-D	D17	LD	CP	ROGUE RIVER, OR	BPDTL20130325AFT	314.1
No	KHSL-TV	D18	LD	LIC	CHICO, CA	BLANK0000063272	103.3
Yes	K18ND-D	D18	LD	LIC	CHICO AND PARADISE, CA	BLANK0000068720	0.5
No	K18LJ-D	D18	LD	LIC	DUNSMUR, ETC, CA	BLANK0000011185	148.9
No	KUVS-DT	D18	DT	LIC	MODESTO, CA	BLANK0000148149	221.9
No	KRNS-CD	D18	DC	LIC	RENO, NV	BLANK0000063791	172.3
No	K19FY-D	N19+	TX	LIC	CHICO, CA	BLTT20060109ABD	0.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17
Mask: Stringent
Latitude: 39 57 42.70 N (NAD83)
Longitude: 121 42 43.20 W
Height AMSL: 1135.4 m
HAAT: 381.0 m
Peak ERP: 0.750 kW

Antenna: DIE TUM C1A 230 degs 0.0 deg
 Elev Pattn: Generic
 Elec Tilt: -0.75

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.002 kW	148.2 m	8.5 km
45.0	0.002	68.5	6.4
90.0	0.001	89.7	6.0
135.0	0.001	302.9	10.7
180.0	0.093	588.2	38.1
225.0	0.735	693.6	52.7
270.0	0.207	641.0	43.8
315.0	0.000	456.7	11.2

Database HAAT does not agree with computed HAAT
 Database HAAT: 381 m Computed HAAT: 374 m

Distance to Canadian border: 929.9 km

Distance to Mexican border: 903.2 km

Conditions at FCC monitoring station: Livermore CA
 Bearing: 180.9 degrees Distance: 248.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 83.8 degrees Distance: 1398.3 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 BLANK0000068720 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K18ND-D	D18	LD	LIC	CHICO AND PARADISE, CA	BLANK0000068720	
Undesireds:	KKTF-LD	D17	LD	APP	CHICO, CA	KKTF-LD 17 STA 1049506	0.5 km
	KHSL-TV	D18	LD	LIC	CHICO, CA	BLANK0000063272	103.4
	KUVS-DT	D18	DT	LIC	MODESTO, CA	BLANK0000148149	221.6
	K19FY-D	D19	LD	LIC	CHICO, CA	BLANK0000122016	23.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6177.8		215,791		5504.3		5501.3	0.05 0.00
		5877.6		207,600		198,921	
Undesired		Total IX		Unique IX, before		Unique IX, after	
KKTF-LD D17 LD APP		8.1		0		3.0	0
KHSL-TV D18 LD LIC		357.2		5,293		335.1	4,886
KUVS-DT D18 DT LIC		36.2		3,793		16.1	3,386

 Interference to proposal scenario 1
 63.02% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KKTF-LD	D17	LD	APP	CHICO, CA	KKTF-LD 17 STA 1049506	
Undesireds:	K16IW-D	D16	LD	LIC	REDDING, CA	BLANK0000001146	103.1 km
	K17BA-D	D17	LD	LIC	YREKA, CA	BLDTT20100113ADI	198.7
	K17EZ-D	D17	LD	LIC	ROGUE RIVER, OR	BLDTL20110325ABA	299.2

K18ND-D	D18	LD	LIC	CHICO AND PARADISE, CA	BLANK0000068720	0.5
Service area				Terrain-limited	IX-free	Percent IX
2548.1	152,333	2407.3	151,887	1303.1	56,163	45.87 63.02
Undesired				Total IX	Unique IX	Prcnt Unique IX
K18ND-D	D18	LD	LIC	1104.2	95,724	1104.2 95,724 45.87 63.02