

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Contractor Peak Mod, Model: Longley-Rice
Start: 2023.07.03 20:51:49

Study last edited: 2023.07.03 20:51:45

Proposal: KSMV-LD D23 LD CP LOS ANGELES, CA
File number: Contractor Peak Mod
Facility ID: 14002
Station data: User record
Record ID: 175
Country: U.S.

Proposal "before": (none)

Study has been edited. Stations studied for impact of proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KTFF-DT	D23	DT	LIC	PORTERVILLE, CA	BLANK0000064190	219.6 km
KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	134.0
KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA	BLANK0000068510	33.7

Record parameters as studied:

Channel: D23
Mask: Full Service
Latitude: 34 20 33.50 N (NAD83)
Longitude: 118 24 23.80 W
Height AMSL: 1135.3 m
HAAT: 524.4 m
Peak ERP: 0.400 kW
Antenna: K723147 2HN 219.0 deg
Elev Pattn: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	558.8 m	0.5 km
45.0	0.000	198.4	2.9
90.0	0.000	71.6	0.9
135.0	0.000	624.9	1.4
180.0	0.040	824.2	35.8
225.0	0.352	803.4	48.9
270.0	0.009	484.0	22.4
315.0	0.000	630.2	0.9

Distance to Canadian border: 1600.5 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 213.5 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 322.3 degrees Distance: 481.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 57.2 degrees Distance: 1327.3 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 BLANK0000064190 LIC scenario 1
Proposal causes no interference.

Interference to BLANK0000064190 LIC scenario 2
Proposal causes no interference.

Interference to BLANK0000145096 LIC scenario 1
**IX: 0.93% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	
Undesireds:	KSMV-LD	D23	LD	CP	LOS ANGELES, CA	Contractor Peak Mod	134.0 km
	KVYE	D22	DT	LIC	EL CENTRO, CA	BLCDDT20070604ABN	228.1
	KHTV-CD	D22	DC	LIC	LOS ANGELES, CA	BLANK0000068679	99.7
	KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA	BLANK0000068510	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK0000068521	131.4
Service area Terrain-limited IX-free, before IX-free, after Percent New IX							
36224.0	15,308,157	28467.4	14,561,578	27802.6	14,172,144	27758.3	14,040,129 0.16 0.93
Undesired				Total IX	Unique IX, before	Unique IX, after	
KSMV-LD D23 LD CP				51.4 148,518	44.3 132,015		
KVYE D22 DT LIC				9.0 0	9.0 0		
KHTV-CD D22 DC LIC				77.7 2,312	16.9 51		
KPXN-TV D24 DT LIC				637.9 389,290	577.1 387,029		
KBNT-CD D24 DC LIC				1.0 93	1.0 93		

Interference to BLANK000068510 LIC scenario 1

Desired:	Call KPXN-TV	Chan D24	Svc DT	Status LIC	City, State SAN BERNARDINO, CA	File Number BLANK000068510	Distance
Undesireds:	KSMV-LD	D23	LD	CP	LOS ANGELES, CA	Contractor Peak Mod	33.7 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK000068521	171.8
	KKFX-CD	D24	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000129283	267.9
	KVVU-TV	D24	DT	CP	HENDERSON, NV	BLANK0000185177	341.4
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK000007394	148.0
	KVEA	D25	DT	LIC	CORONA, CA	BLANK0000136469	0.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
35837.1 17,250,725		25875.5 15,725,750		24896.3 15,185,654		24894.3 15,179,961	0.01 0.04
Undesired			Total IX		Unique IX, before		Unique IX, after
KSMV-LD D23 LD CP			2.0 5,693		2.0 5,693		
KVMD D23 DD LIC			309.1 251,159		272.3 228,038		
KBNT-CD D24 DC LIC			368.3 141,265		334.5 129,290		
KVVU-TV D24 DT CP			13.1 8		13.1 8		
KGET-TV D25 DT LIC			4.0 0		4.0 0		
KVEA D25 DT LIC			327.5 172,689		312.6 157,735		

Interference to BLANK000068510 LIC scenario 2

Desired:	Call KPXN-TV	Chan D24	Svc DT	Status LIC	City, State SAN BERNARDINO, CA	File Number BLANK000068510	Distance
Undesireds:	KSMV-LD	D23	LD	CP	LOS ANGELES, CA	Contractor Peak Mod	33.7 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK000068521	171.8
	KKFX-CD	D24	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000129283	267.9
	KVVU-TV	D24	DT	CP	HENDERSON, NV	BLANK0000185177	341.4
	KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615	148.0
	KVEA	D25	DT	LIC	CORONA, CA	BLANK0000136469	0.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
35837.1 17,250,725		25875.5 15,725,750		24896.3 15,185,654		24894.3 15,179,961	0.01 0.04
Undesired			Total IX		Unique IX, before		Unique IX, after
KSMV-LD D23 LD CP			2.0 5,693		2.0 5,693		
KVMD D23 DD LIC			309.1 251,159		272.3 228,038		
KBNT-CD D24 DC LIC			368.3 141,265		334.5 129,290		
KVVU-TV D24 DT CP			13.1 8		13.1 8		
KGET-TV D25 DT CP			8.0 43		4.0 0		
KVEA D25 DT LIC			327.5 172,689		308.6 157,692		

Interference to BLANK000068510 LIC scenario 3

Desired:	Call KPXN-TV	Chan D24	Svc DT	Status LIC	City, State SAN BERNARDINO, CA	File Number BLANK000068510	Distance
Undesireds:	KSMV-LD	D23	LD	CP	LOS ANGELES, CA	Contractor Peak Mod	33.7 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK000068521	171.8
	KKFX-CD	D24	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000129283	267.9
	KVVU-TV	D24	DT	BL	HENDERSON, NV	DTVBL35870	341.4
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK000007394	148.0
	KVEA	D25	DT	LIC	CORONA, CA	BLANK0000136469	0.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
35837.1 17,250,725		25875.5 15,725,750		24895.3 15,185,645		24893.2 15,179,952	0.01 0.04
Undesired			Total IX		Unique IX, before		Unique IX, after
KSMV-LD D23 LD CP			2.0 5,693		2.0 5,693		
KVMD D23 DD LIC			309.1 251,159		272.3 228,038		
KBNT-CD D24 DC LIC			368.3 141,265		334.5 129,290		
KVVU-TV D24 DT BL			14.1 17		14.1 17		
KGET-TV D25 DT LIC			4.0 0		4.0 0		
KVEA D25 DT LIC			327.5 172,689		312.6 157,735		

Interference to BLANK000068510 LIC scenario 4

Desired:	Call KPXN-TV	Chan D24	Svc DT	Status LIC	City, State SAN BERNARDINO, CA	File Number BLANK000068510	Distance
Undesireds:	KSMV-LD	D23	LD	CP	LOS ANGELES, CA	Contractor Peak Mod	33.7 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK000068521	171.8
	KKFX-CD	D24	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000129283	267.9
	KVVU-TV	D24	DT	BL	HENDERSON, NV	DTVBL35870	341.4
	KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615	148.0
	KVEA	D25	DT	LIC	CORONA, CA	BLANK0000136469	0.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
35837.1 17,250,725		25875.5 15,725,750		24895.3 15,185,645		24893.2 15,179,952	0.01 0.04
Undesired			Total IX		Unique IX, before		Unique IX, after
KSMV-LD D23 LD CP			2.0 5,693		2.0 5,693		
KVMD D23 DD LIC			309.1 251,159		272.3 228,038		

KBNT-CD D24 DC LIC	368.3	141,265	334.5	129,290	334.5	129,290
KVVU-TV D24 DT BL	14.1	17	14.1	17	14.1	17
KGET-TV D25 DT CP	8.0	43	4.0	0	4.0	0
KVEA D25 DT LIC	327.5	172,689	308.6	157,692	308.6	157,692

Interference to proposal scenario 1
80.09% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSMV-LD	D23	LD	CP	LOS ANGELES, CA	Contractor Peak Mod	
Undesireds:	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	134.0 km
	KIMG-LD	D23	LD	CP	VENTURA, CA	BLANK0000190551	93.1
	K230M-D	D23	LD	LIC	VICTORVILLE, CA	BLANK0000120152	106.7
Service area		Terrain-limited		IX-free		Percent IX	
1630.2 2,137,091		1200.5 1,716,787		519.3 341,836		56.74 80.09	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KVMD D23 DD LIC		681.2 1,374,951		678.2 1,374,951		56.49 80.09	
KIMG-LD D23 LD CP		3.0 0		0.0 0		0.00 0.00	

Interference to proposal scenario 2
80.09% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSMV-LD	D23	LD	CP	LOS ANGELES, CA	Contractor Peak Mod	
Undesireds:	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	134.0 km
	KIMG-LD	D23	LD	LIC	VENTURA, CA	BLDTL20130508ABU	85.2
	K230M-D	D23	LD	LIC	VICTORVILLE, CA	BLANK0000120152	106.7
Service area		Terrain-limited		IX-free		Percent IX	
1630.2 2,137,091		1200.5 1,716,787		507.2 341,836		57.75 80.09	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KVMD D23 DD LIC		681.2 1,374,951		667.1 1,373,120		55.57 79.98	
KIMG-LD D23 LD LIC		26.1 1,831		12.1 0		1.00 0.00	