

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: ksmv @ Newhall, Model: Longley-Rice
Start: 2022.10.31 14:45:48

Study last edited: 2022.10.31 14:45:44

Proposal: KSMV-LD D23 LD LIC LOS ANGELES, CA
File number: ksmv @ Newhall
Facility ID: 14002
Station data: User record
Record ID: 116
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
KHTV-CD	D22	DC	LIC	LOS ANGELES, CA	BLANK0000068679	43.3 km
KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	142.1
KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA	BLANK0000068510	42.2

Record parameters as studied:

Channel: D23
Mask: Full Service
Latitude: 34 23 22.70 N (NAD83)
Longitude: 118 28 57.20 W
Height AMSL: 605.5 m (Adjusted based on actual ground elevation calculation)
HAAT: 23.9 m
Peak ERP: 5.00 kW
Antenna: KAT-1x K723147 (ID 1008960) 180.0 deg
Elev Pattn: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.050 kW	20.2 m	8.6 km
45.0	0.091	-1.6	10.0
90.0	0.008	-316.8	5.5
135.0	1.35	-62.0	19.6
180.0	5.00	172.4	44.2
225.0	1.35	11.2	19.6
270.0	0.008	192.1	13.6
315.0	0.091	203.5	25.3

Database HAAT does not agree with computed HAAT
Database HAAT: 24 m Computed HAAT: 27 m

Distance to Canadian border: 1593.8 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 221.2 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 322.5 degrees Distance: 473.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 57.5 degrees Distance: 1330.4 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 BLANK0000068679 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KHTV-CD	D22	DC	LIC	LOS ANGELES, CA	BLANK0000068679	
Undesireds:	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	ksmv @ Newhall	43.3 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	99.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
17725.3		14,992,798		13711.7 13,825,439		13700.8 13,806,542	13696.8 13,803,578
Undesired		Total IX		Unique IX, before		Unique IX, after	
KSMV-LD D23 LD LIC		4.0		2,964		4.0	2,964
KVMD D23 DD LIC		10.9		18,897		10.9	18,897

Interference to BLANK0000145096 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	
Undesireds:	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	ksmv @ Newhall	142.1 km
	KVYE	D22	DT	LIC	EL CENTRO, CA	BLCDT20070604ABN	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	36224.0	15,308,157	Terrain-limited	28467.4	14,561,578	IX-free, before	27802.6
						IX-free, after	14,172,144
						Percent New IX	0.01
							0.00

Undesired			Total IX	Unique IX, before	Unique IX, after		
KSMV-LD D23 LD LIC	5.0		0		3.0	0	
KVYE D22 DT LIC	9.0		0	9.0	9.0	0	
KHTV-CD D22 DC LIC	77.7		2,312	16.9	15.9	51	
KPXN-TV D24 DT LIC	637.9		389,290	577.1	577.1	387,029	
KBNT-CD D24 DC LIC	1.0		93	1.0	1.0	93	

Interference to BLANK0000068510 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA	BLANK0000068510	
Undesireds:	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	ksmv @ Newhall	42.2 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK0000068521	171.8
	KKFX-CD	D24	DC	CP	SAN LUIS OBISPO, CA	BLANK0000157896	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	35837.1	17,250,725	Terrain-limited	25875.5	15,725,750	IX-free, before	24896.3
						IX-free, after	15,185,654
						Percent New IX	0.05
							0.01

Undesired			Total IX	Unique IX, before	Unique IX, after		
KSMV-LD D23 LD LIC	12.1		1,430		12.1	1,430	
KVMD D23 DD LIC	309.1		251,159	272.3	272.3	228,038	
KBNT-CD D24 DC LIC	368.3		141,265	334.5	334.5	129,290	
KVVU-TV D24 DT CP	13.1		8	13.1	13.1	8	
KGET-TV D25 DT LIC	4.0		0	4.0	4.0	0	
KVEA D25 DT LIC	327.5		172,689	312.6	312.6	157,735	

Interference to BLANK0000068510 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA	BLANK0000068510	
Undesireds:	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	ksmv @ Newhall	42.2 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK0000068521	171.8
	KKFX-CD	D24	DC	CP	SAN LUIS OBISPO, CA	BLANK0000157896	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	35837.1	17,250,725	Terrain-limited	25875.5	15,725,750	IX-free, before	24896.3
						IX-free, after	15,185,654
						Percent New IX	0.05
							0.01

Undesired			Total IX	Unique IX, before	Unique IX, after		
KSMV-LD D23 LD LIC	12.1		1,430		12.1	1,430	
KVMD D23 DD LIC	309.1		251,159	272.3	272.3	228,038	
KBNT-CD D24 DC LIC	368.3		141,265	334.5	334.5	129,290	
KVVU-TV D24 DT CP	13.1		8	13.1	13.1	8	
KGET-TV D25 DT CP	8.0		43	4.0	4.0	0	
KVEA D25 DT LIC	327.5		172,689	308.6	308.6	157,692	

Interference to BLANK0000068510 LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA	BLANK0000068510	
Undesireds:	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	ksmv @ Newhall	42.2 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK0000068521	171.8
	KKFX-CD	D24	DC	CP	SAN LUIS OBISPO, CA	BLANK0000157896	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	35837.1	17,250,725	Terrain-limited	25875.5	15,725,750	IX-free, before	24895.3
						IX-free, after	15,185,645
						Percent New IX	0.05
							0.01

Undesired			Total IX	Unique IX, before	Unique IX, after		
KSMV-LD D23 LD LIC	12.1		1,430		12.1	1,430	
KVMD D23 DD LIC	309.1		251,159	272.3	272.3	228,038	
KBNT-CD D24 DC LIC	368.3		141,265	334.5	334.5	129,290	
KVVU-TV D24 DT BL	14.1		17	14.1	14.1	17	
KGET-TV D25 DT LIC	4.0		0	4.0	4.0	0	
KVEA D25 DT LIC	327.5		172,689	312.6	312.6	157,735	

Interference to BLANK0000068510 LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA	BLANK0000068510	

Undesireds:	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	ksmv @ Newhall	42.2 km
	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	100.5
	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA	BLANK0000068521	171.8
	KKFX-CD	D24	DC	CP	SAN LUIS OBISPO, CA	BLANK0000157896	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	24883.2 15,184,215	0.05 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KSMV-LD D23 LD LIC	12.1 1,430		12.1 1,430
KVMD D23 DD LIC	309.1 251,159	272.3 228,038	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
9.14% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	ksmv @ Newhall	
Undesireds:	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	142.1 km
	KIMG-LD	D23	LD	CP	VENTURA, CA	BLANK0000190551	86.1

Service area	Terrain-limited	IX-free	Percent IX
1677.1 2,485,982	1303.7 1,958,850	1173.1 1,779,716	10.02 9.14

Undesired	Total IX	Unique IX	Prcnt Unique IX
KVMD D23 DD LIC	120.5 178,116	119.5 178,116	9.17 9.09
KIMG-LD D23 LD CP	11.1 1,018	10.1 1,018	0.77 0.05

Interference to proposal scenario 2
9.09% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	ksmv @ Newhall	
Undesireds:	KVMD	D23	DD	LIC	TWENTYNINE PALMS, CA	BLANK0000145096	142.1 km
	KIMG-LD	D23	LD	LIC	VENTURA, CA	BLDTL20130508ABU	78.4

Service area	Terrain-limited	IX-free	Percent IX
1677.1 2,485,982	1303.7 1,958,850	1180.2 1,780,734	9.47 9.09

Undesired	Total IX	Unique IX	Prcnt Unique IX
KVMD D23 DD LIC	120.5 178,116	113.6 177,535	8.71 9.06
KIMG-LD D23 LD LIC	9.9 581	3.0 0	0.23 0.00