

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Gustine4d0.5kwincSam137at135fA1, Model: Longley-Rice

Start: 2022.06.16 04:50:29

Study created: 2022.06.16 04:50:29

Study build station data: LMS TV 2022-06-16

Proposal: K04SF-D D4 LD APP GUSTINE, CA

Facility ID: 186673

Station data: User record

Record ID: 2142

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	DKAAP-LP	N2z	TX	APP	SANTA CRUZ, CA	BLTVL20100721DAA	92.3 km
No	K25KY-D	N3+	TX	LIC	FRESNO, CA	BLTVL20060327AIS	132.7
No	KCSO-LD	D3	LD	LIC	SACRAMENTO, CA	BLANK0000024609	119.8
No	K03IZ-D	D3	LD	CP	SALINAS, CA	BLANK00000170831	92.3
No	K03IZ-D	D3	LD	LIC	SALINAS, CA	BLANK00000164316	92.3
No	KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	152.5
No	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	133.2
No	K04SB-D	D4	LD	LIC	BAKERSFIELD, CA	BLANK00000106976	290.6
No	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	155.8
No	KWHY-TV	D4	DT	LIC	LOS ANGELES, CA	BLANK0000072085	433.6
No	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK00000152604	250.1
No	K04QC-D	N4+	TX	LIC	PALERMO, CA	BLTVL20050114ADZ	250.1
No	K04RS-D	D4	LD	CP	Salinas, CA	BLANK00000189633	92.3
No	K04RS-D	D4	LD	LIC	Salinas, CA	BLANK00000113066	99.3
No	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK00000001344	152.5
No	KQSL-LD	D4	LD	CP	SAN RAFAEL, CA	BLANK00000191871	133.2
No	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	45.1
No	KRMF-LD	D4	LD	LIC	RENO, NV	BLDVL20140224ADC	282.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D4  
Mask: Full Service  
Latitude: 37 14 47.60 N (NAD83)  
Longitude: 121 5 7.50 W  
Height AMSL: 69.2 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 0.500 kW  
Antenna: SAMCO-SAM-137 (ID 1009391) 135.0 deg  
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.005 kW	22.1 m	7.0 km
45.0	0.000	43.4	4.7
90.0	0.113	40.2	17.7
135.0	0.500	32.6	22.8
180.0	0.113	-54.0	15.4
225.0	0.000	-246.0	3.9
270.0	0.005	-263.7	7.0
315.0	0.010	-89.2	8.5

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: -64 m

Distance to Canadian border: 1236.4 km

Distance to Mexican border: 613.7 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 312.2 degrees    Distance: 79.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 72.0 degrees    Distance: 1408.2 km

Study cell size: 1.00 km  
Profile point spacing: 0.10 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  
58.95% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K04SF-D	D4	LD	APP	GUSTINE, CA		
Undesireds:	K03IZ-D	D3	LD	CP	SALINAS, CA	BLANK0000170831	92.3 km
	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	250.1
	K04RS-D	D4	LD	CP	Salinas, CA	BLANK0000189633	92.3
	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	152.5
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	45.1

Service area	Terrain-limited	IX-free	Percent IX
493.2      9,051	472.3      7,676	293.9      3,151	37.77      58.95

Undesired	Total IX	Unique IX	Prcnt Unique IX
K04RS-D D4 LD CP      3.0      0      0.0      0      0.00      0.00			
KQSL-LD D4 LD LIC      2.0      0      0.0      0      0.00      0.00			
KBIS-LD D4 LD LIC      178.4      4,525      173.4      4,525      36.71      58.95			

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Interference to proposal scenario 2  
58.95% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K04SF-D	D4	LD	APP	GUSTINE, CA		
Undesireds:	K03IZ-D	D3	LD	CP	SALINAS, CA	BLANK0000170831	92.3 km
	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	250.1
	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	152.5
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	45.1

Service area		Terrain-limited		IX-free	Percent IX
493.2	9,051	472.3	7,676	293.9	3,151 37.77 58.95

Undesired		Total IX		Unique IX	Prcnt Unique IX
KQSL-LD D4 LD LIC	2.0	0	0.0	0	0.00 0.00
KBIS-LD D4 LD LIC	178.4	4,525	176.4	4,525	37.34 58.95

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Interference to proposal scenario 3  
58.95% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K04SF-D	D4	LD	APP	GUSTINE, CA		
Undesireds:	K03IZ-D	D3	LD	CP	SALINAS, CA	BLANK0000170831	92.3 km
	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	250.1
	K04RS-D	D4	LD	CP	Salinas, CA	BLANK0000189633	92.3
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	45.1

Service area		Terrain-limited		IX-free	Percent IX
493.2	9,051	472.3	7,676	293.9	3,151 37.77 58.95

Undesired		Total IX		Unique IX	Prcnt Unique IX
K04RS-D D4 LD CP	3.0	0	0.0	0	0.00 0.00
KBIS-LD D4 LD LIC	178.4	4,525	175.4	4,525	37.13 58.95

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Interference to proposal scenario 4  
58.95% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K04SF-D	D4	LD	APP	GUSTINE, CA		
Undesireds:	K03IZ-D	D3	LD	CP	SALINAS, CA	BLANK0000170831	92.3 km
	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	250.1
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	45.1

Service area		Terrain-limited		IX-free	Percent IX
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493.2	9,051	472.3	7,676	293.9	3,151	37.77	58.95
Undesired			Total IX		Unique IX	Prcnt Unique IX	
KBIS-LD D4 LD LIC		178.4	4,525	178.4	4,525	37.77	58.95