

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: aSal9d700dPSI280IncF, Model: Longley-Rice

Start: 2023.08.22 16:28:41

Study created: 2023.08.22 16:28:41

Study build station data: LMS TV 2023-08-21

Proposal: K09AAF-D D9 LD APP MONTEREY, CA

Facility ID: 185788

Station data: User record

Record ID: 1786

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	KSBW	D8	DT	LIC	SALINAS, CA	BLCDT20090901ACY	0.0 km
No	KCAL-TV	D9	DT	APP	LOS ANGELES, CA	BLANK0000190276	419.1
No	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	419.1
No	KVVG-LD	D9	LD	LIC	PORTERVILLE, CA	BLANK0000185593	197.6
No	KIXE-TV	D9	DT	LIC	REDDING, CA	BLEDT20080909ABK	439.0
Yes	KVIE	D9	DT	LIC	SACRAMENTO, CA	BLANK0000160094	168.5
No	K09AAA-D	D9	LD	CP	CARSON CITY, NV	BLANK0000197339	322.7
No	K09AAA-D	D9	LD	LIC	CARSON CITY, NV	BLANK0000199482	322.7
No	NEW	D9	DT	CP	TONOPAH, NV	BLANK0000195583	409.0
No	KXTV	D10	DT	LIC	SACRAMENTO, CA	BLANK0000146119	164.9
No	K10RU-D	D10	LD	CP	SALINAS, CA	BNPDTL20090825AEI	26.7
No	K10RU-D	D10	LD	APP	SALINAS, CA	BLANK0000219620	26.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D9
Mask: Full Service
Latitude: 36 45 22.00 N (NAD83)
Longitude: 121 30 10.00 W
Height AMSL: 1038.0 m
HAAT: 0.0 m
Peak ERP: 0.700 kW
Antenna: PSI-VLP4NC3-9-EP (ID 1010918) 280.0 deg
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.192 kW	858.9 m	63.0 km
45.0	0.083	803.5	55.9
90.0	0.024	652.8	43.5
135.0	0.039	314.2	31.3
180.0	0.139	742.6	58.4
225.0	0.336	917.9	68.6
270.0	0.687	887.9	74.7
315.0	0.505	812.7	70.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 749 m

Distance to Canadian border: 1285.5 km

Distance to Mexican border: 592.1 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 348.4 degrees Distance: 110.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 70.2 degrees Distance: 1460.9 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%

Interference to BLANK0000160094 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVIE	D9	DT	LIC	SACRAMENTO, CA	BLANK0000160094	
Undesireds:	K09AAF-D	D9	LD	APP	MONTEREY, CA		168.5 km
	KSBW	D8	DT	LIC	SALINAS, CA	BLCDDT20090901ACY	168.4
	KIXE-TV	D9	DT	LIC	REDDING, CA	BLEDT20080909ABK	277.1
	NEW	D9	DT	CP	TONOPAH, NV	BLANK0000195583	377.9
	KXTV	D10	DT	LIC	SACRAMENTO, CA	BLANK0000146119	3.5
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	48160.8 10,770,795	42933.3	7,290,925	40699.3	7,134,467	40440.2 7,099,615	0.64 0.49
Undesired				Total IX	Unique IX, before	Unique IX, after	
K09AAF-D D9 LD APP	268.1	34,855			259.1	34,852	
KSBW D8 DT LIC	8.1	3		8.1	3	0.0	0
KIXE-TV D9 DT LIC	2208.8	156,301		2208.8	156,301	2207.8	156,301
KXTV D10 DT LIC	17.1	154		17.1	154	17.1	154

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K09AAF-D	D9	LD	APP	MONTEREY, CA		
Undesireds:	KSBW	D8	DT	LIC	SALINAS, CA	BLCDDT20090901ACY	0.0 km
	KVIE	D9	DT	LIC	SACRAMENTO, CA	BLANK0000160094	168.5
	K09AAA-D	D9	LD	CP	CARSON CITY, NV	BLANK0000197339	322.7
	K10RU-D	D10	LD	CP	SALINAS, CA	BNPDTL20090825AEI	26.7

Service area		Terrain-limited		IX-free	Percent IX
11247.9 1,139,145	10100.7	885,054	9909.3	884,764	1.90 0.03

Undesired		Total IX		Unique IX	Prcnt Unique IX
KSBW D8 DT LIC	179.4	287	177.4	287	1.76 0.03
KVIE D9 DT LIC	10.0	0	7.0	0	0.07 0.00
K10RU-D D10 LD CP	5.0	3	4.0	3	0.04 0.00

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K09AAF-D	D9	LD	APP	MONTEREY, CA		
Undesireds:	KSBW	D8	DT	LIC	SALINAS, CA	BLCDT20090901ACY	0.0 km
	KVIE	D9	DT	LIC	SACRAMENTO, CA	BLANK0000160094	168.5
	K09AAA-D	D9	LD	CP	CARSON CITY, NV	BLANK0000197339	322.7
	K10RU-D	D10	LD	APP	SALINAS, CA	BLANK0000219620	26.8

Service area		Terrain-limited		IX-free	Percent IX
11247.9 1,139,145	10100.7	885,054	9895.2	884,767	2.03 0.03

Undesired		Total IX		Unique IX	Prcnt Unique IX
KSBW D8 DT LIC	179.4	287	177.4	287	1.76 0.03
KVIE D9 DT LIC	10.0	0	8.0	0	0.08 0.00
K10RU-D D10 LD APP	18.1	0	18.1	0	0.18 0.00