tvstudy v2.2.5 (4uoc83)
Database: 127.0.0.1, Study: BLANK0000062906, Model: Longley-Rice
Start: 2021.03.14 11:30:08

Study created: 2021.03.14 11:30:08

Study build station data: LMS TV 2021-03-10

    Proposal: KUKR-LD D26 LD LIC Santa Rosa, CA
 File number: BLANK0000062906
 Facility ID: 182689
Station data: User record
   Record ID: 109
     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	K25QL-D	D25	LD	CP	CHICO, CA	BLANK0000098928	154.3 km
No	KDAS-LP	D25+	LD	CP	Santa Rosa, CA	BLANK0000051699	0.0
Yes	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263	105.5
No	K39AG	D25z	LD	CP	UKIAH, CA	BLANK0000081268	77.2
No	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV	220.0
No	KQLY-LD	D26	LD	CP	CHICO, CA	BNPDTL20100722HYG	161.4
No	K26MH-D	D26	LD	CP	EUREKA, CA	BDCCDTT20120710ABS	270.9
No	NEW	D26	LD	APP	MOUNT SHASTA, CA	BNPDTL20090825CBF	310.5
No	KTVU	D26	LD	LIC	OAKLAND, CA	BLANK0000087000	133.2
No	K26MT-D	D26	LD	LIC	PASO ROBLES, CA	BLANK0000088195	361.1
No	KGEC-LD	D26	LD	LIC	REDDING, CA	BLDTL20130521ACX	238.7
No	KVBC-LP	D26	LD	LIC	REEDLEY, CA	BLDTL20140403ABH	325.6
No	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	220.0
Yes	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	105.5
No	NEW	D26	LD	APP	YREKA, CA	BNPDTL20090825AQN	346.7
No	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	256.4
No	K26JC-D	D26	LD	LIC	WALKER LAKE, NV	BLDTT20141215AAT	355.4
No	KMVU-DT	D26	DT	LIC	MEDFORD, OR	BLCDT20090527ABF	421.2
No	KUCO-LD	D27	LD	LIC	CHICO, CA	BLANK0000069322	181.1
No	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	103.0
Yes	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	85.8
No	K27EE-D	D27	LD	LIC	UKIAH, CA	BLDTL20120509AFS	77.2
No	K29DF	N29+	TX	LIC	UKIAH, CA	BLTT19960424IB	77.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D26
       Mask: Full Service
   Latitude: 38 30 32.00 N (NAD83)
  Longitude: 122 39 48.00 W
Height AMSL: 487.7 m
       HAAT: 0.0 m
   Peak ERP: 6.00 kW
    Antenna: KAT-K72314 (ID 19753) 230.0 deg
Elev Pattrn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.022 kW	239.3 m	19.3 km
45.0	0.025	182.1	17.5
90.0	0.010	56.0	7.7
135.0	0.018	265.5	19.5
180.0	1.06	336.2	44.1
225.0	5.76	424.8	57.4
270.0	1.88	426.3	50.9
315.0	0.022	307.0	21.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 280 m

Distance to Canadian border: 1082.2 km

Distance to Mexican border: 808.3 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 137.3 degrees   Distance: 117.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 77.7 degrees   Distance: 1505.4 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 BLANK0000116263 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263	
Undesireds:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906	105.5 km
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	396.6
	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV	164.9
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	164.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
48135.7	10,787,892	41218.9	7,212,263	40355.0	6,756,282	40350.0	6,756,149	0.01	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUKR-LD D26 LD LIC	13.1	454			5.0	133
KGET-TV D25 DT LIC	12.0	8	9.0	8	9.0	8
KQET D25 DT LIC	854.9	455,973	848.9	455,973	840.9	455,652
KDJT-CD D26 DC LIC	3.0	0	0.0	0	0.0	0

Interference to BLANK0000116263 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263	
Undesireds:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906	105.5 km
	KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615	396.6
	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV	164.9
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	164.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
48135.7	10,787,892	41218.9	7,212,263	40319.0	6,756,264	40313.9	6,756,131	0.01	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUKR-LD D26 LD LIC	13.1	454			5.0	133
KGET-TV D25 DT CP	56.1	75	45.0	26	45.0	26
KQET D25 DT LIC	854.9	455,973	840.8	455,924	832.8	455,603
KDJT-CD D26 DC LIC	3.0	0	0.0	0	0.0	0

Interference to BLCDT20110819ABS LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	
Undesireds:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906	105.5 km
	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263	0.0
	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV	164.9
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	396.6
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	164.9
	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	184.0
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	36.3
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	99.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
35381.5	6,977,392	31515.8	5,243,162	30017.4	4,980,411	30009.3	4,976,808	0.03	0.07

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUKR-LD D26 LD LIC	184.6	47,786			8.1	3,603
KOVR D25 DT LIC	33.2	3,286	32.2	3,286	32.2	3,286
KQET D25 DT LIC	5.0	0	0.0	0	0.0	0
KUVI-DT D26 DT LIC	31.0	61	3.0	0	3.0	0
KDJT-CD D26 DC LIC	409.0	17,591	264.9	8,336	263.9	8,336
KREN-TV D26 DT LIC	793.1	213,716	375.7	164,790	359.5	148,601
KBTV-CD D27 DC LIC	101.9	9,118	88.9	8,895	88.9	8,895
KPJK D27 DT LIC	645.4	76,195	275.1	24,474	213.6	15,690

Interference to BLANK0000108410 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	
Undesireds:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906	85.8 km
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	139.3
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	99.2

	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	277.3
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	135.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
33275.4	7,876,739	27984.8	6,962,343	26047.3	6,668,065	25918.8	6,636,144	0.49	0.48

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUKR-LD D26 LD LIC	128.5	31,921			128.5	31,921
KDJT-CD D26 DC LIC	19.0	4,182	7.0	4,078	7.0	4,078
KTFK-DT D26 DT LIC	1404.0	262,691	86.7	5,512	86.7	5,512
KNSO D27 DT LIC	1238.2	264,612	154.3	19,021	154.3	19,021
KBTV-CD D27 DC LIC	956.9	121,031	94.4	5,663	94.4	5,663
KMMD-CD D28 DC LIC	261.6	2,825	196.7	2,688	196.7	2,688

Interference to BLANK0000108410 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	
Undesireds:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906	85.8 km
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	139.3
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	99.2
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	277.3
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
33275.4	7,876,739	27984.8	6,962,343	26047.3	6,668,065	25918.8	6,636,144	0.49	0.48

Undesired	Total IX		Unique IX, before		Unique IX, after	
KUKR-LD D26 LD LIC	128.5	31,921			128.5	31,921
KDJT-CD D26 DC LIC	19.0	4,182	7.0	4,078	7.0	4,078
KTFK-DT D26 DT LIC	1404.0	262,691	86.7	5,512	86.7	5,512
KNSO D27 DT LIC	1238.2	264,612	154.3	19,021	154.3	19,021
KBTV-CD D27 DC LIC	956.9	121,031	94.4	5,663	94.4	5,663
KMMD-CD D28 DC LIC	261.6	2,825	196.7	2,688	196.7	2,688
KKPM-CD D28+ DC LIC	20.0	1,957	0.0	0	0.0	0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906	
Undesireds:	KTVU	D26	LD	LIC	OAKLAND, CA	BLANK0000087000	133.2 km
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	220.0
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	105.5
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	85.8

Service area		Terrain-limited		IX-free		Percent IX	
3626.0	437,531	2713.6	351,027	2689.4	349,797	0.89	0.35

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KTVU D26 LD LIC	2.0	1,015	1.0	1,015	0.04	0.29
KDJT-CD D26 DC LIC	2.0	0	0.0	0	0.00	0.00
KTFK-DT D26 DT LIC	18.1	215	18.1	215	0.67	0.06
KPJK D27 DT LIC	5.0	0	3.0	0	0.11	0.00