

1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: BLANK0000062906 #139, Model: Longley-Rice
3 Start: 2021.03.14 12:10:20
4

5 Study created: 2021.03.14 12:10:20
6

7 Study build station data: LMS TV 2021-03-10
8

9 Proposal: KUKR-LD D26 LD LIC Santa Rosa, CA
10 File number: BLANK0000062906
11 Facility ID: 182689
12 Station data: User record
13 Record ID: 114
14 Country: U.S.
15

16 Build options:
17 Protect pre-transition records not on baseline channel
18

19 Stations potentially affected by proposal:
20

21	IX	Call	Chan	Svc	Status	City, State	File Number	Distance
22	No	K25QL-D	D25	LD	CP	CHICO, CA	BLANK0000098928	154.3 km
23	No	KDAS-LP	D25+	LD	CP	Santa Rosa, CA	BLANK0000051699	0.0
24	Yes	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263	105.5
25	No	K39AG	D25z	LD	CP	UKIAH, CA	BLANK0000081268	77.2
26	No	KQET	D25	DT	LIC	WATSONVILLE, CA	BLANK0000081268	220.0
27	No	KQLY-LD	D26	LD	CP	CHICO, CA	BNPDTL20100722HYG	161.4
28	No	K26MH-D	D26	LD	CP	EUREKA, CA	BDCCDTT20120710ABS	270.9
29	No	NEW	D26	LD	APP	MOUNT SHASTA, CA	BNPDTL20090825CBF	310.5
30	No	KTVU	D26	LD	LIC	OAKLAND, CA	BLANK0000087000	133.2
31	No	K26MT-D	D26	LD	LIC	PASO ROBLES, CA	BLANK0000088195	361.1
32	No	KGEC-LD	D26	LD	LIC	REDDING, CA	BLDTL20130521ACX	238.7
33	No	KVBC-LP	D26	LD	LIC	REEDLEY, CA	BLDTL20140403ABH	325.6
34	No	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	220.0
35	Yes	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	105.5
36	No	NEW	D26	LD	APP	YREKA, CA	BNPDTL20090825AQN	346.7
37	No	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	256.4
38	No	K26JC-D	D26	LD	LIC	WALKER LAKE, NV	BLDTT20141215AAT	355.4
39	No	KMVU-DT	D26	DT	LIC	MEDFORD, OR	BLCDT20090527ABF	421.2
40	No	KUCO-LD	D27	LD	LIC	CHICO, CA	BLANK0000069322	181.1
41	No	KBTU-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	103.0
42	Yes	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	85.8
43	No	K27EE-D	D27	LD	LIC	UKIAH, CA	BLDTL20120509AFS	77.2
44	No	K29DF	N29+	TX	LIC	UKIAH, CA	BLTT19960424IB	77.2

45
46 No non-directional AM stations found within 0.8 km
47

48 No directional AM stations found within 3.2 km
49

50 Record parameters as studied:
51

52 Channel: D26
53 Mask: Full Service
54 Latitude: 38 30 32.00 N (NAD83)
55 Longitude: 122 39 48.00 W
56 Height AMSL: 487.7 m
57 HAAT: 0.0 m
58 Peak ERP: 6.10 kW
59 Antenna: KAT-K72314 (ID 19753) 230.0 deg
60 Elev Pattn: Generic
61

62 50.0 dBu contour:
63 Azimuth ERP HAAT Distance
64 0.0 deg 0.022 kW 239.3 m 19.4 km
65 45.0 0.026 182.1 17.6
66 90.0 0.010 56.0 7.7
67 135.0 0.018 265.5 19.6
68 180.0 1.08 336.2 44.2
69 225.0 5.86 424.8 57.5
70 270.0 1.91 426.3 50.9
71 315.0 0.022 307.0 22.0
72

73 Database HAAT does not agree with computed HAAT
74 Database HAAT: 0 m Computed HAAT: 280 m
75

76 Distance to Canadian border: 1082.2 km
77

78 Distance to Mexican border: 808.3 km
79

80 Conditionsat FCC monitoring station: Livermore CA

81 Bearing: 137.3 degrees Distance: 117.9 km
82
83 Proposal is not within the West Virginia quiet zone area
84
85 Conditions at Table Mountain receiving zone:
86 Bearing: 77.7 degrees Distance: 1505.4 km
87
88
89 Study cell size: 1.00 km
90 Profile point spacing: 1.00 km
91

92 Maximum new IX to full-service and Class A: 0.50%
93 Maximum new IX to LPTV: 2.00%
94
95

96 -----
97 Interference to BLANK0000116263 LIC scenario 1
98

	Call	Chan	Svc	Status	City, State	File Number	Distance
100	Desired:	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263
101							
102	Undesireds:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906 105.5 km
103		KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394 396.6
104		KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV 164.9
105		KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577 164.9
106							
107	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
108	48135.7	10,787,892	41218.9	7,212,263	40355.0 6,756,282	40350.0 6,756,149	0.01 0.00
109							
110	Undesired		Total IX		Unique IX, before	Unique IX, after	
111	KUKR-LD D26 LD LIC	13.1	454		5.0 133		
112	KGET-TV D25 DT LIC	12.0	8	9.0 8	9.0 8		
113	KQET D25 DT LIC	854.9	455,973	848.9 455,973	840.9 455,652		
114	KDJT-CD D26 DC LIC	3.0	0	0.0 0	0.0 0		
115							

116 -----
117 Interference to BLANK0000116263 LIC scenario 2
118

	Call	Chan	Svc	Status	City, State	File Number	Distance
120	Desired:	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263
121							
122	Undesireds:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906 105.5 km
123		KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615 396.6
124		KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV 164.9
125		KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577 164.9
126							
127	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
128	48135.7	10,787,892	41218.9	7,212,263	40319.0 6,756,264	40313.9 6,756,131	0.01 0.00
129							
130	Undesired		Total IX		Unique IX, before	Unique IX, after	
131	KUKR-LD D26 LD LIC	13.1	454		5.0 133		
132	KGET-TV D25 DT CP	56.1	75	45.0 26	45.0 26		
133	KQET D25 DT LIC	854.9	455,973	840.8 455,924	832.8 455,603		
134	KDJT-CD D26 DC LIC	3.0	0	0.0 0	0.0 0		
135							

136 -----
137 Interference to BLCDT20110819ABS LIC scenario 1
138

	Call	Chan	Svc	Status	City, State	File Number	Distance
140	Desired:	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS
141							
142	Undesireds:	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906 105.5 km
143		KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263 0.0
144		KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV 164.9
145		KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232 396.6
146		KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577 164.9
147		KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM 184.0
148		KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO 36.3
149		KPKJ	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410 99.2
150							
151	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
152	35381.5	6,977,392	31515.8	5,243,162	30017.4 4,980,411	30009.3 4,976,808	0.03 0.07
153							
154	Undesired		Total IX		Unique IX, before	Unique IX, after	
155	KUKR-LD D26 LD LIC	184.6	47,786		8.1 3,603		
156	KOVR D25 DT LIC	33.2	3,286	32.2 3,286	32.2 3,286		
157	KQET D25 DT LIC	5.0	0	0.0 0	0.0 0		
158	KUVI-DT D26 DT LIC	31.0	61	3.0 0	3.0 0		
159	KDJT-CD D26 DC LIC	409.0	17,591	264.9 8,336	263.9 8,336		
160	KREN-TV D26 DT LIC	793.1	213,716	375.7 164,790	359.5 148,601		

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161 KBTB-CD D27 DC LIC          101.9          9,118          88.9          8,895          88.9          8,895
162 KPJK D27 DT LIC            645.4          76,195         275.1         24,474         213.6         15,690
163
164 -----
165 Interference to BLANK0000108410 LIC scenario 1
166 **IX: 0.50% interference caused
167
168           Call      Chan  Svc Status  City, State          File Number          Distance
169 Desired:    KPJK      D27   DT   LIC      SAN MATEO, CA        BLANK0000108410
170
171 Undesireds: KUKR-LD    D26   LD   LIC      Santa Rosa, CA        BLANK0000062906      85.8 km
172             KDJT-CD    D26   DC   LIC      SALINAS/MONTEREY,ETC, CA BLANK0000071577      139.3
173             KTFK-DT    D26   DT   LIC      STOCKTON, CA          BLCDT20110819ABS      99.2
174             KNSO      D27   DT   LIC      CLOVIS, CA            BLANK0000073456      277.3
175             KBTB-CD    D27   DC   LIC      SACRAMENTO, CA        BLDTA20140908ADO      123.9
176             KMMD-CD    D28   DC   LIC      SALINAS, CA           BLANK0000068622      154.4
177             KKPM-CD    D28+  DC   APP      YUBA CITY, CA         BLANK0000113364      135.9
178
179           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
180 33275.4    7,876,739    27984.8    6,962,343    26047.3    6,668,065    25915.8    6,634,615    0.50    0.50
181
182 Undesired                        Total IX      Unique IX, before      Unique IX, after
183 KUKR-LD D26 LD LIC          131.5      33,450      131.5      33,450
184 KDJT-CD D26 DC LIC          19.0       4,182       7.0       4,078      7.0       4,078
185 KTFK-DT D26 DT LIC        1404.0     262,691     86.7     5,512     86.7     5,512
186 KNSO D27 DT LIC          1238.2     264,612    154.3    19,021    154.3    19,021
187 KBTB-CD D27 DC LIC          956.9     121,031     94.4     5,663     94.4     5,663
188 KMMD-CD D28 DC LIC          261.6       2,825     196.7     2,688     196.7     2,688
189
190 -----
191 Interference to BLANK0000108410 LIC scenario 2
192 **IX: 0.50% interference caused
193
194           Call      Chan  Svc Status  City, State          File Number          Distance
195 Desired:    KPJK      D27   DT   LIC      SAN MATEO, CA        BLANK0000108410
196
197 Undesireds: KUKR-LD    D26   LD   LIC      Santa Rosa, CA        BLANK0000062906      85.8 km
198             KDJT-CD    D26   DC   LIC      SALINAS/MONTEREY,ETC, CA BLANK0000071577      139.3
199             KTFK-DT    D26   DT   LIC      STOCKTON, CA          BLCDT20110819ABS      99.2
200             KNSO      D27   DT   LIC      CLOVIS, CA            BLANK0000073456      277.3
201             KBTB-CD    D27   DC   LIC      SACRAMENTO, CA        BLDTA20140908ADO      123.9
202             KMMD-CD    D28   DC   LIC      SALINAS, CA           BLANK0000068622      154.4
203             KKPM-CD    D28+  DC   LIC      YUBA CITY, CA         BLDTA20100914AHF      170.3
204
205           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
206 33275.4    7,876,739    27984.8    6,962,343    26047.3    6,668,065    25915.8    6,634,615    0.50    0.50
207
208 Undesired                        Total IX      Unique IX, before      Unique IX, after
209 KUKR-LD D26 LD LIC          131.5      33,450      131.5      33,450
210 KDJT-CD D26 DC LIC          19.0       4,182       7.0       4,078      7.0       4,078
211 KTFK-DT D26 DT LIC        1404.0     262,691     86.7     5,512     86.7     5,512
212 KNSO D27 DT LIC          1238.2     264,612    154.3    19,021    154.3    19,021
213 KBTB-CD D27 DC LIC          956.9     121,031     94.4     5,663     94.4     5,663
214 KMMD-CD D28 DC LIC          261.6       2,825     196.7     2,688     196.7     2,688
215 KKPM-CD D28+ DC LIC          20.0       1,957       0.0         0         0.0         0
216
217 -----
218 Interference to proposal scenario 1
219
220           Call      Chan  Svc Status  City, State          File Number          Distance
221 Desired:    KUKR-LD    D26   LD   LIC      Santa Rosa, CA        BLANK0000062906
222
223 Undesireds: KTVU      D26   LD   LIC      OAKLAND, CA          BLANK0000087000      133.2 km
224             KDJT-CD    D26   DC   LIC      SALINAS/MONTEREY,ETC, CA BLANK0000071577      220.0
225             KTFK-DT    D26   DT   LIC      STOCKTON, CA          BLCDT20110819ABS      105.5
226             KPJK      D27   DT   LIC      SAN MATEO, CA        BLANK0000108410      85.8
227
228           Service area      Terrain-limited      IX-free      Percent IX
229 3641.1    437,531    2726.7    353,315    2702.5    349,797    0.89    1.00
230
231 Undesired                        Total IX      Unique IX      Prcnt Unique IX
232 KTVU D26 LD LIC          2.0       1,015       1.0       1,015      0.04      0.29
233 KDJT-CD D26 DC LIC          2.0         0         0.0         0      0.00      0.00
234 KTFK-DT D26 DT LIC        18.1     2,503     18.1     2,503      0.66      0.71
235 KPJK D27 DT LIC          5.0         0         3.0         0      0.11      0.00
236

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