

1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: BLANK0000051699 #153, Model: Longley-Rice
3 Start: 2021.04.14 16:33:00
4

5 Study created: 2021.04.14 16:32:59
6

7 Study build station data: LMS TV 2021-04-12
8

9 Proposal: KDAS-LP D25 LD CP Santa Rosa, CA
10 File number: BLANK0000051699
11 Facility ID: 129433
12 Station data: User record
13 Record ID: 127
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

	IX	Call	Chan	Svc	Status	City, State	File Number	Distance
21	No	KMCE-LD	D24+	LD	LIC	MONTEREY, CA	BLANK0000064357	220.0 km
22	No	KMCE-LD	D24+	LD	CP	MONTEREY, CA	BLANK0000072280	179.1
23	Yes	KMAX-TV	D24	DT	LIC	SACRAMENTO, CA	BLANK0000112953	105.5
24	No	KAAP-LD	D24	LD	LIC	SANTA CRUZ, CA	BLANK0000113511	133.2
25	No	K41AF	D24	LD	CP	UKIAH, CA	BLANK0000081269	77.2
26	No	K25QL-D	D25	LD	CP	CHICO, CA	BLANK0000098928	154.3
27	No	K03HK	D25	LD	CP	FRESNO, CA	BDISDTL20090803AEE	318.3
28	No	KRRT-LD	D25	LD	CP	REDDING, CA	BLANK0000030608	238.8
29	Yes	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263	105.5
30	No	K38IU-D	D25	LD	LIC	SUSANVILLE, ETC, CA	BLANK0000063049	292.4
31	No	K39AG	D25z	LD	CP	UKIAH, CA	BLANK0000081268	77.2
32	Yes	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV	220.0
33	No	K51IA-D	D25	LD	CP	FALLON, NV	BLANK0000142183	354.9
34	No	KRRI-LP	N25-	TX	LIC	RENO, NV	BLTTTL19981028JG	274.6
35	No	KQLY-LD	D26	LD	CP	CHICO, CA	BNPDTL20100722HYG	161.4
36	No	KTVU	D26	LD	LIC	OAKLAND, CA	BLANK0000087000	133.2
37	No	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	220.0
38	No	KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906	0.0
39	No	KUKR-LD	D26	LD	CP	Santa Rosa, CA	BLANK0000139373	0.0
40	No	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	105.5
41	No	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	256.4
42	No	K29DF	N29+	TX	LIC	UKIAH, CA	BLTT19960424IB	77.2

43
44 No non-directional AM stations found within 0.8 km

45
46 No directional AM stations found within 3.2 km

47
48 Record parameters as studied:

49
50 Channel: D25
51 Mask: Full Service
52 Latitude: 38 30 32.00 N (NAD83)
53 Longitude: 122 39 48.00 W
54 Height AMSL: 487.7 m
55 HAAT: 285.0 m
56 Peak ERP: 3.00 kW
57 Antenna: KAT-K72314 (ID 19753) 230.0 deg
58 Elev Pattn: Generic
59
60

61 49.9 dBu contour:

62	Azimuth	ERP	HAAT	Distance
63	0.0 deg	0.011 kW	239.3 m	15.9 km
64	45.0	0.013	182.1	14.8
65	90.0	0.005	56.0	6.5
66	135.0	0.009	265.5	16.1
67	180.0	0.529	336.2	40.2
68	225.0	2.88	424.8	53.5
69	270.0	0.941	426.3	46.8
70	315.0	0.011	307.0	18.6

71
72 Database HAAT does not agree with computed HAAT

73 Database HAAT: 285 m Computed HAAT: 280 m
74

75 Distance to Canadian border: 1082.2 km
76

77 Distance to Mexican border: 808.3 km
78

79 Conditions at FCC monitoring station: Livermore CA

80 Bearing: 137.3 degrees Distance: 117.9 km
81

82 Proposal is not within the West Virginia quiet zone area
83

84 Conditions at Table Mountain receiving zone:

85 Bearing: 77.7 degrees Distance: 1505.4 km
86

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87
88 Study cell size: 0.50 km
89 Profile point spacing: 0.50 km
90
91 Maximum new IX to full-service and Class A: 0.50%
92 Maximum new IX to LPTV: 2.00%
93
94
95 -----
96 Interference to BLANK0000112953 LIC scenario 1
97
98 Call Chan Svc Status City, State File Number Distance
99 Desired: KMAX-TV D24 DT LIC SACRAMENTO, CA BLANK0000112953
100
101 Undesireds: KDAS-LP D25 LD CP Santa Rosa, CA BLANK0000051699 105.5 km
102 KQCA D23 DT LIC STOCKTON, CA BLANK0000113145 2.9
103 KOVR D25 DT LIC STOCKTON, CA BLANK0000116263 0.0
104 KQET D25 DT LIC WATSONVILLE, CA BLEDT20090624ABV 164.9
105
106 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
107 47482.5 10,766,304 41473.5 7,149,525 41367.9 7,143,464 41363.9 7,143,354 0.01 0.00
108
109 Undesired Total IX Unique IX, before Unique IX, after
110 KDAS-LP D25 LD CP 4.0 110 4.0 110
111 KQCA D23 DT LIC 74.6 4,265 74.6 4,265
112 KOVR D25 DT LIC 24.9 1,792 24.9 1,792
113 KQET D25 DT LIC 6.1 4 6.1 4
114
115 -----
116 Interference to BLANK0000112953 LIC scenario 2
117
118 Call Chan Svc Status City, State File Number Distance
119 Desired: KMAX-TV D24 DT LIC SACRAMENTO, CA BLANK0000112953
120
121 Undesireds: KDAS-LP D25 LD CP Santa Rosa, CA BLANK0000051699 105.5 km
122 KQCA D23 DT CP STOCKTON, CA BLANK0000127501 2.9
123 KOVR D25 DT LIC STOCKTON, CA BLANK0000116263 0.0
124 KQET D25 DT LIC WATSONVILLE, CA BLEDT20090624ABV 164.9
125
126 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
127 47482.5 10,766,304 41473.5 7,149,525 41317.1 7,139,303 41313.0 7,139,193 0.01 0.00
128
129 Undesired Total IX Unique IX, before Unique IX, after
130 KDAS-LP D25 LD CP 4.0 110 4.0 110
131 KQCA D23 DT CP 130.0 8,690 125.5 8,426 125.5 8,426
132 KOVR D25 DT LIC 24.9 1,792 20.4 1,528 20.4 1,528
133 KQET D25 DT LIC 6.1 4 6.1 4
134
135 -----
136 Interference to BLANK0000116263 LIC scenario 1
137
138 Call Chan Svc Status City, State File Number Distance
139 Desired: KOVR D25 DT LIC STOCKTON, CA BLANK0000116263
140
141 Undesireds: KDAS-LP D25 LD CP Santa Rosa, CA BLANK0000051699 105.5 km
142 KGET-TV D25 DT LIC BAKERSFIELD, CA BLANK0000007394 396.6
143 KQET D25 DT LIC WATSONVILLE, CA BLEDT20090624ABV 164.9
144 KDJT-CD D26 DC LIC SALINAS/MONTEREY,ETC, CA BLANK0000071577 164.9
145
146 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
147 48151.9 10,785,467 41997.7 7,190,393 41454.9 6,914,046 41322.2 6,892,288 0.32 0.31
148
149 Undesired Total IX Unique IX, before Unique IX, after
150 KDAS-LP D25 LD CP 153.2 29,110 132.7 21,758
151 KGET-TV D25 DT LIC 15.0 13 11.4 1 11.4 1
152 KQET D25 DT LIC 531.4 276,346 526.4 276,333 505.8 268,981
153 KDJT-CD D26 DC LIC 1.5 1 0.0 0 0.0 0
154
155 -----
156 Interference to BLANK0000116263 LIC scenario 2
157
158 Call Chan Svc Status City, State File Number Distance
159 Desired: KOVR D25 DT LIC STOCKTON, CA BLANK0000116263
160
161 Undesireds: KDAS-LP D25 LD CP Santa Rosa, CA BLANK0000051699 105.5 km
162 KGET-TV D25 DT CP BAKERSFIELD, CA BLANK0000127615 396.6
163 KQET D25 DT LIC WATSONVILLE, CA BLEDT20090624ABV 164.9
164 KDJT-CD D26 DC LIC SALINAS/MONTEREY,ETC, CA BLANK0000071577 164.9
165
166 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
167 48151.9 10,785,467 41997.7 7,190,393 41417.0 6,913,999 41284.3 6,892,241 0.32 0.31
168
169 Undesired Total IX Unique IX, before Unique IX, after
170 KDAS-LP D25 LD CP 153.2 29,110 132.7 21,758
171 KGET-TV D25 DT CP 60.1 128 49.3 48 49.3 48
172 KQET D25 DT LIC 531.4 276,346 519.1 276,265 498.6 268,913

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173	KDJT-CD	D26	DC	LIC	1.5	1	0.0	0	0.0	0				
174														
175	-----													
176	Interference to BLEDT20090624ABV LIC scenario 1													
177														
178		Call	Chan	Svc	Status	City, State	File Number		Distance					
179	Desired:	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV							
180														
181	Undesireds:	KDAS-LP	D25	LD	CP	Santa Rosa, CA	BLANK0000051699		220.0 km					
182		KMAX-TV	D24	DT	LIC	SACRAMENTO, CA	BLANK0000112953		164.9					
183		KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394		288.1					
184		KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263		164.9					
185		KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577		0.0					
186		KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS		164.9					
187														
188		Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX					
189		24194.8	2,985,721	18248.0	2,046,813	17984.9	1,891,096	17983.5	1,891,096	0.01 0.00				
190														
191	Undesired				Total IX	Unique IX, before	Unique IX, after							
192	KDAS-LP	D25	LD	CP	3.6	0	1.5 0							
193	KMAX-TV	D24	DT	LIC	9.0	0	0.0 0							
194	KGET-TV	D25	DT	LIC	24.8	5	11.0 0							
195	KOVR	D25	DT	LIC	213.5	150,803	190.1 150,798		189.6 150,798					
196	KDJT-CD	D26	DC	LIC	39.7	4,914	38.5 4,914		38.5 4,914					
197	KTFK-DT	D26	DT	LIC	8.2	0	0.0 0		0.0 0					
198														
199	-----													
200	Interference to BLEDT20090624ABV LIC scenario 2													
201														
202		Call	Chan	Svc	Status	City, State	File Number		Distance					
203	Desired:	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV							
204														
205	Undesireds:	KDAS-LP	D25	LD	CP	Santa Rosa, CA	BLANK0000051699		220.0 km					
206		KMAX-TV	D24	DT	LIC	SACRAMENTO, CA	BLANK0000112953		164.9					
207		KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615		288.1					
208		KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263		164.9					
209		KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577		0.0					
210		KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS		164.9					
211														
212		Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX					
213		24194.8	2,985,721	18248.0	2,046,813	17961.6	1,880,616	17960.2	1,880,616	0.01 0.00				
214														
215	Undesired				Total IX	Unique IX, before	Unique IX, after							
216	KDAS-LP	D25	LD	CP	3.6	0	1.5 0							
217	KMAX-TV	D24	DT	LIC	9.0	0	0.0 0							
218	KGET-TV	D25	DT	CP	54.2	10,503	34.3 10,480		34.3 10,480					
219	KOVR	D25	DT	LIC	213.5	150,803	185.7 150,783		185.2 150,783					
220	KDJT-CD	D26	DC	LIC	39.7	4,914	36.8 4,911		36.8 4,911					
221	KTFK-DT	D26	DT	LIC	8.2	0	0.0 0		0.0 0					
222														
223	-----													
224	Interference to proposal scenario 1													
225	2.36% interference received													
226														
227		Call	Chan	Svc	Status	City, State	File Number		Distance					
228	Desired:	KDAS-LP	D25	LD	CP	Santa Rosa, CA	BLANK0000051699							
229														
230	Undesireds:	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263		105.5 km					
231		KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV		220.0					
232		KUKR-LD	D26	LD	LIC	Santa Rosa, CA	BLANK0000062906		0.0					
233														
234		Service area	Terrain-limited		IX-free		Percent IX							
235		3013.3	428,166	2311.7	341,002	2249.1	332,964	2.71	2.36					
236														
237	Undesired				Total IX	Unique IX	Prcnt Unique IX							
238	KOVR	D25	DT	LIC	60.9	8,038	60.4 8,038		2.61 2.36					
239	KQET	D25	DT	LIC	0.8	0	0.8 0		0.03 0.00					
240	KUKR-LD	D26	LD	LIC	1.5	0	1.0 0		0.04 0.00					
241														
242	-----													
243	Interference to proposal scenario 2													
244	2.36% interference received													
245														
246		Call	Chan	Svc	Status	City, State	File Number		Distance					
247	Desired:	KDAS-LP	D25	LD	CP	Santa Rosa, CA	BLANK0000051699							
248														
249	Undesireds:	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263		105.5 km					
250		KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV		220.0					
251														
252		Service area	Terrain-limited		IX-free		Percent IX							
253		3013.3	428,166	2311.7	341,002	2250.1	332,964	2.67	2.36					
254														
255	Undesired				Total IX	Unique IX	Prcnt Unique IX							
256	KOVR	D25	DT	LIC	60.9	8,038	60.9 8,038		2.63 2.36					
257	KQET	D25	DT	LIC	0.8	0	0.8 0		0.03 0.00					
258														