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1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: 1201_California #358, Model: Longley-Rice
3 Start: 2019.02.18 07:15:54
4
5 Study created: 2019.02.18 07:15:54
6
7 Study build station data: LMS TV 2019-02-14
8
9 Proposal: K11WP-D D11 LD LIC San Francisco, CA
10 File number: 1201_California
11 Facility ID: 182962
12 Station data: User record
13 Record ID: 152
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 Yes KXTV D10 DT LIC SACRAMENTO, CA BLCDT20120201AAM 94.2 km
23 No KCRM-LD D11 LD CP CHICO, CA BLANK0000010621 248.3
24 No KCRM-LD D11 LD LIC CHICO, CA BLDVL20080728AEJ 248.3
25 No KEET D11 DT LIC EUREKA, CA BLANK0000005864 352.9
26 No KNSO D11 DT LIC MERCED, CA BLCDT20100202ABE 275.1
27 Yes KCBA D11 DT CP SALINAS, CA BLANK0000028196 140.5
28 No KAAP-LD D11 LD LIC SANTA CRUZ, CA BLANK0000054776 90.8
29 No KTVN D11 DT LIC RENO, NV BLANK0000063879 277.5
30 No K49EO D12- LD CP MODESTO, CA BLANK0000051632 123.2
31 No KRJR-LP D12z LD APP SACRAMENTO, CA BLANK0000051701 125.5
32 No KGO-TV D12 DT CP SAN FRANCISCO, CA BLANK0000033605 5.3
33 No KNTV D12 DT LIC SAN JOSE, CA BLCDT20050923AHA 11.9
34 No KRNVT-DT D12 DT CP RENO, NV BLANK0000034623 277.5
35
36 No non-directional AM stations found within 0.8 km
37
38 No directional AM stations found within 3.2 km
39
40 Record parameters as studied:
41
42 Channel: D11
43 Mask: Full Service
44 Latitude: 37 47 28.82 N (NAD83)
45 Longitude: 122 24 51.02 W
46 Height AMSL: 171.0 m
47 HAAT: 142.0 m
48 Peak ERP: 0.070 kW
49 Antenna: SCA-CL-713 (ID 20786) 300.0 deg
50 Elev Pattn: Generic
51
52 48.0 dBu contour:
53 Azimuth ERP HAAT Distance
54 0.0 deg 0.000 kW 171.0 m 2.0 km
55 45.0 0.000 166.5 2.0
56 90.0 0.000 166.5 4.3
57 135.0 0.000 170.9 4.3
58 180.0 0.000 112.3 1.9
59 225.0 0.000 106.9 1.9
60 270.0 0.026 155.4 21.6
61 315.0 0.054 114.9 22.3
62
63 Database HAAT does not agree with computed HAAT
64 Database HAAT: 142 m Computed HAAT: 146 m
65
66 Distance to Canadian border: 1163.2 km
67
68 Distance to Mexican border: 732.2 km
69
70 Conditions at FCC monitoring station: Livermore CA
71 Bearing: 97.1 degrees Distance: 58.4 km
72
73 Proposal is not within the West Virginia quiet zone area
74
75 Conditions at Table Mountain receiving zone:
76 Bearing: 74.8 degrees Distance: 1503.2 km
77
78
79 Study cell size: 0.50 km
80 Profile point spacing: 0.10 km

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81
82 Maximum new IX to full-service and Class A: 0.50%
83 Maximum new IX to LPTV: 2.00%
84
85
86 -----
87 Interference to BLCDT20120201AAM LIC scenario 1
88
89           Call      Chan  Svc Status  City, State      File Number      Distance
90 Desired:   KXTV      D10   DT   LIC      SACRAMENTO, CA    BLCDT20120201AAM
91
92 Undesireds: K11WP-D   D11   LD   LIC      San Francisco, CA  1201_California   94.2 km
93              KVIE      D9    DT   APP      SACRAMENTO, CA    BLANK0000035686    3.5
94              KERO-TV   D10   DT   LIC      BAKERSFIELD, CA   BLCDT20100929AEF   403.4
95              KCBA      D11   DT   CP       SALINAS, CA        BLANK0000028196    164.9
96
97           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
98 47356.6  10,763,445  42304.1  7,331,216  42040.4  7,317,135  42024.5  7,281,996  0.04  0.48
99
100 Undesired      Total IX      Unique IX, before      Unique IX, after
101 K11WP-D D11 LD LIC      15.9      35,139      15.9      35,139
102 KVIE D9 DT APP      12.5      428      12.5      428
103 KERO-TV D10 DT LIC      251.3      13,653      251.3      13,653
104
105 -----
106 Interference to BLCDT20120201AAM LIC scenario 2
107
108           Call      Chan  Svc Status  City, State      File Number      Distance
109 Desired:   KXTV      D10   DT   LIC      SACRAMENTO, CA    BLCDT20120201AAM
110
111 Undesireds: K11WP-D   D11   LD   LIC      San Francisco, CA  1201_California   94.2 km
112              KVIE      D9    DT   LIC      SACRAMENTO, CA    BMLEDT20100913ABV    3.5
113              KERO-TV   D10   DT   LIC      BAKERSFIELD, CA   BLCDT20100929AEF   403.4
114              KCBA      D11   DT   CP       SALINAS, CA        BLANK0000028196    164.9
115
116           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
117 47356.6  10,763,445  42304.1  7,331,216  42043.1  7,317,173  42027.2  7,282,034  0.04  0.48
118
119 Undesired      Total IX      Unique IX, before      Unique IX, after
120 K11WP-D D11 LD LIC      15.9      35,139      15.9      35,139
121 KVIE D9 DT LIC      9.7      390      9.7      390
122 KERO-TV D10 DT LIC      251.3      13,653      251.3      13,653
123
124 -----
125 Interference to BLANK0000028196 CP scenario 1
126
127           Call      Chan  Svc Status  City, State      File Number      Distance
128 Desired:   KCBA      D11   DT   CP       SALINAS, CA        BLANK0000028196
129
130 Undesireds: K11WP-D   D11   LD   LIC      San Francisco, CA  1201_California   140.5 km
131              KXTV      D10   DT   LIC      SACRAMENTO, CA    BLCDT20120201AAM   164.9
132              KNSO      D11   DT   LIC      MERCED, CA        BLCDT20100202ABE   187.4
133              KTVN      D11   DT   LIC      RENO, NV          BLANK0000063879    317.8
134              KGO-TV   D12   DT   CP       SAN FRANCISCO, CA  BLANK0000033605    139.3
135
136           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
137 32359.5  3,090,631  25559.0  2,313,682  24438.2  1,209,546  24438.2  1,209,546  0.00  0.00
138
139 Undesired      Total IX      Unique IX, before      Unique IX, after
140 K11WP-D D11 LD LIC      3.6      1,111      0.0      0
141 KXTV D10 DT LIC      2.7      0      0.2      0
142 KNSO D11 DT LIC      513.6      74,039      385.8      7,975
143 KTVN D11 DT LIC      45.4      1,011      0.7      0
144 KGO-TV D12 DT CP      694.0      1,095,456      605.3      1,030,083
145
146 -----
147 Interference to BLANK0000028196 CP scenario 2
148
149           Call      Chan  Svc Status  City, State      File Number      Distance
150 Desired:   KCBA      D11   DT   CP       SALINAS, CA        BLANK0000028196
151
152 Undesireds: K11WP-D   D11   LD   LIC      San Francisco, CA  1201_California   140.5 km
153              KXTV      D10   DT   LIC      SACRAMENTO, CA    BLCDT20120201AAM   164.9
154              KNSO      D11   DT   LIC      MERCED, CA        BLCDT20100202ABE   187.4
155              KTVN      D11   DT   LIC      RENO, NV          BLANK0000063879    317.8
156              KGO-TV   D12   DT   BL       SAN FRANCISCO, CA  DTVBL34470         139.3
157
158           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
159 32359.5  3,090,631  25559.0  2,313,682  24402.0  1,198,828  24402.0  1,198,828  0.00  0.00
160

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161	Undesired		Total IX	Unique IX, before	Unique IX, after
162	K11WP-D D11 LD LIC	3.6	1,111		0.0 0
163	KXTV D10 DT LIC	2.7	0	0.2 0	
164	KNSO D11 DT LIC	513.6	74,039	384.3 8,035	384.3 8,035
165	KTVN D11 DT LIC	45.4	1,011	0.7 0	0.7 0
166	KGO-TV D12 DT BL	731.9	1,106,235	641.4 1,040,801	640.5 1,039,732

167
 168 -----
 169 Interference to proposal scenario 1
 170 32.69% interference received
 171

172	Call	Chan	Svc	Status	City, State	File Number	Distance
173	Desired: K11WP-D	D11	LD	LIC	San Francisco, CA	1201_California	
174							
175	Undesireds: KKRM-LD	D11	LD	CP	CHICO, CA	BLANK0000010621	248.3 km
176	KNSO	D11	DT	LIC	MERCED, CA	BLCDT20100202ABE	275.1
177	KCBA	D11	DT	CP	SALINAS, CA	BLANK0000028196	140.5
178	KAAP-LD	D11	LD	LIC	SANTA CRUZ, CA	BLANK0000054776	90.8
179	KGO-TV	D12	DT	CP	SAN FRANCISCO, CA	BLANK0000033605	5.3

180							
181	Service area		Terrain-limited		IX-free	Percent IX	
182	388.3 376,823	357.7	365,829	160.9	246,239	55.03 32.69	
183							

184	Undesired		Total IX	Unique IX	Prcnt Unique IX
185	KNSO D11 DT LIC	0.7	6,741	0.0 0	0.00 0.00
186	KCBA D11 DT CP	1.7	4,061	0.0 0	0.00 0.00
187	KAAP-LD D11 LD LIC	99.7	91,091	13.7 14,892	3.84 4.07
188	KGO-TV D12 DT CP	183.1	104,698	97.1 28,499	27.15 7.79
189					