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1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: BLANK0000164336, Model: Longley-Rice
3 Start: 2021.12.12 16:18:56
4
5 Study created: 2021.12.12 16:18:56
6
7 Study build station data: LMS TV 2021-12-12
8
9 Proposal: K14TG-D D14 LD LIC MONTEREY, CA
10 File number: BLANK0000164336
11 Facility ID: 182886
12 Station data: User record
13 Record ID: 163
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 KXBF-LD D14 LD LIC BAKERSFIELD, CA BLDLTL20130821ACC 292.6 km
23 No KJEO-LD D14 LD LIC FRESNO, CA BLANK0000093724 224.4
24 No K14TJ-D D14 LD CP ORLAND, CA BLANK0000151200 346.4
25 No KSAO-LD D14 LD LIC SACRAMENTO, CA BLANK0000112334 240.7
26 Yes KQTA-LD D14 LD CP San Francisco, CA BLANK0000075058 146.0
27 Yes KDTS-LD D14 LD CP SAN FRANCISCO, CA BLANK0000115857 146.0
28 Yes KMMC-LD D14 LD CP SAN FRANCISCO, CA BLANK0000074648 146.0
29 No K14TK-D D14 LD CP SANTA MARIA, CA BLANK0000153596 218.1
30 No K14SD-D D14 LD LIC SOUTH LAKE TAHOE, CA BLANK0000151882 347.8
31 No KMMW-LD D14 LD LIC STOCKTON, CA BLANK0000125019 197.9
32 No KNRC-LD D14 LD LIC SPARKS, NV BLDLTL20100910AEI 379.2
33 No K14JY-D D14 LD LIC WALKER LAKE, NV BLDTT20111128DZW 363.7
34 No KBSV D15 DT APP CERES, CA BLANK0000072220 136.8
35 No KBSV D15 DT LIC CERES, CA BLEDT20090213AAZ 112.4
36 No K15CU-D D15 LD LIC SALINAS, CA BLDLTL20140730AEK 34.2
37 No KSBY D15 DT LIC SAN LUIS OBISPO, CA BLCDT20081118AEW 167.2
38
39 No non-directional AM stations found within 0.8 km
40
41 No directional AM stations found within 3.2 km
42
43 Record parameters as studied:
44
45 Channel: D14
46 Mask: Full Service
47 Latitude: 36 33 9.00 N (NAD83)
48 Longitude: 121 47 21.00 W
49 Height AMSL: 382.0 m
50 HAAT: 159.0 m
51 Peak ERP: 2.25 kW
52 Antenna: SCA-CL-1469 (ID 20778) 355.0 deg
53 Elev Pattn: Generic
54
55 48.7 dBu contour:
56 Azimuth ERP HAAT Distance
57 0.0 deg 2.13 kW 277.2 m 46.6 km
58 45.0 0.017 256.9 20.2
59 90.0 0.000 15.1 2.4
60 135.0 0.000 27.0 2.4
61 180.0 0.000 -87.5 2.4
62 225.0 0.000 108.8 4.5
63 270.0 0.000 290.0 6.8
64 315.0 0.293 363.8 39.4
65
66 Database HAAT does not agree with computed HAAT
67 Database HAAT: 159 m Computed HAAT: 156 m
68
69 Distance to Canadian border: 1305.2 km
70
71 Distance to Mexican border: 592.0 km
72
73 Conditions at FCC monitoring station: Livermore CA
74 Bearing: 1.3 degrees Distance: 130.4 km
75
76 Proposal is not within the West Virginia quiet zone area
77
78 Conditions at Table Mountain receiving zone:
79 Bearing: 69.6 degrees Distance: 1492.6 km
80
81 No land mobile station failures found
82
83
84 Study cell size: 1.00 km
85 Profile point spacing: 1.00 km
86

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87 Maximum new IX to full-service and Class A: 0.50%
88 Maximum new IX to LPTV: 2.00%
89
90
91 -----
92 Interference to BLANK0000075058 CP scenario 1
93
94 Call      Chan  Svc Status  City, State      File Number      Distance
95 Desired:  KQTA-LD  D14   LD  CP      San Francisco, CA  BLANK0000075058
96
97 Undesireds: K14TG-D  D14   LD  LIC      MONTEREY, CA      BLANK0000164336  146.0 km
98              KJEO-LD  D14   LD  LIC      FRESNO, CA        BLANK0000093724  301.9
99              KSAO-LD  D14   LD  LIC      SACRAMENTO, CA    BLANK0000112334  154.4
100             KDTS-LD  D14   LD  CP      SAN FRANCISCO, CA BLANK0000115857  0.0
101             KMMC-LD  D14   LD  CP      SAN FRANCISCO, CA BLANK0000074648  0.0
102             KMMW-LD  D14   LD  LIC      STOCKTON, CA      BLANK0000125019  156.7
103             KBSV     D15   DT  APP      CERES, CA         BLANK0000072220  132.8
104             K15FJ-D  D15+  LD  LIC      LAKEPORT, CA      BLANK0000130210  145.7
105
106      Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
107 13943.7  5,494,892  11316.0  4,685,295  1931.7  496,264  1931.7  496,264  0.00  0.00
108
109 Undesired      Total IX      Unique IX, before      Unique IX, after
110 K14TG-D D14 LD LIC      31.9      0      0.0      0
111 KJEO-LD D14 LD LIC      4.0      0      0.0      0
112 KSAO-LD D14 LD LIC      133.2     10,110  0.0      0
113 KDTS-LD D14 LD CP      9384.3    4,189,031 0.0      0
114 KMMC-LD D14 LD CP      9384.3    4,189,031 0.0      0
115 KMMW-LD D14 LD LIC      141.2     15,384  0.0      0
116
117 -----
118 Interference to BLANK0000115857 CP scenario 1
119
120 Call      Chan  Svc Status  City, State      File Number      Distance
121 Desired:  KDTS-LD  D14   LD  CP      SAN FRANCISCO, CA  BLANK0000115857
122
123 Undesireds: K14TG-D  D14   LD  LIC      MONTEREY, CA      BLANK0000164336  146.0 km
124              KJEO-LD  D14   LD  LIC      FRESNO, CA        BLANK0000093724  301.9
125              KSAO-LD  D14   LD  LIC      SACRAMENTO, CA    BLANK0000112334  154.4
126              KQTA-LD  D14   LD  CP      San Francisco, CA  BLANK0000075058  0.0
127              KMMC-LD  D14   LD  CP      SAN FRANCISCO, CA  BLANK0000074648  0.0
128              KMMW-LD  D14   LD  LIC      STOCKTON, CA      BLANK0000125019  156.7
129              KBSV     D15   DT  APP      CERES, CA         BLANK0000072220  132.8
130              K15FJ-D  D15+  LD  LIC      LAKEPORT, CA      BLANK0000130210  145.7
131
132      Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
133 11912.7  5,425,571  9461.2  4,639,353  1842.0  495,288  1842.0  495,288  0.00  0.00
134
135 Undesired      Total IX      Unique IX, before      Unique IX, after
136 K14TG-D D14 LD LIC      27.9      0      0.0      0
137 KJEO-LD D14 LD LIC      4.0      0      0.0      0
138 KSAO-LD D14 LD LIC      115.0     10,567  0.0      0
139 KQTA-LD D14 LD CP      7619.1    4,144,065 0.0      0
140 KMMC-LD D14 LD CP      7619.1    4,144,065 0.0      0
141 KMMW-LD D14 LD LIC      128.1     16,741  0.0      0
142
143 -----
144 Interference to BLANK0000074648 CP scenario 1
145
146 Call      Chan  Svc Status  City, State      File Number      Distance
147 Desired:  KMMC-LD  D14   LD  CP      SAN FRANCISCO, CA  BLANK0000074648
148
149 Undesireds: K14TG-D  D14   LD  LIC      MONTEREY, CA      BLANK0000164336  146.0 km
150              KJEO-LD  D14   LD  LIC      FRESNO, CA        BLANK0000093724  301.9
151              KSAO-LD  D14   LD  LIC      SACRAMENTO, CA    BLANK0000112334  154.4
152              KQTA-LD  D14   LD  CP      San Francisco, CA  BLANK0000075058  0.0
153              KDTS-LD  D14   LD  CP      SAN FRANCISCO, CA  BLANK0000115857  0.0
154              KMMW-LD  D14   LD  LIC      STOCKTON, CA      BLANK0000125019  156.7
155              KBSV     D15   DT  APP      CERES, CA         BLANK0000072220  132.8
156              K15FJ-D  D15+  LD  LIC      LAKEPORT, CA      BLANK0000130210  145.7
157
158      Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
159 13943.7  5,494,892  11316.0  4,685,295  1931.7  496,264  1931.7  496,264  0.00  0.00
160
161 Undesired      Total IX      Unique IX, before      Unique IX, after
162 K14TG-D D14 LD LIC      31.9      0      0.0      0
163 KJEO-LD D14 LD LIC      4.0      0      0.0      0
164 KSAO-LD D14 LD LIC      133.2     10,110  0.0      0
165 KQTA-LD D14 LD CP      9384.3    4,189,031 0.0      0
166 KDTS-LD D14 LD CP      9384.3    4,189,031 0.0      0
167 KMMW-LD D14 LD LIC      141.2     15,384  0.0      0
168
169 -----
170 Interference to proposal scenario 1
171 8.40% interference received
172

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173		Call	Chan	Svc	Status	City, State	File Number	Distance
174	Desired:	K14TG-D	D14	LD	LIC	MONTEREY, CA	BLANK0000164336	
175								
176	Undesireds:	KBSV	D15	DT	APP	CERES, CA	BLANK0000072220	136.8 km
177		K15CU-D	D15	LD	LIC	SALINAS, CA	BLDTL20140730AEK	34.2
178								
179	Service area				Terrain-limited	IX-free	Percent IX	
180	1673.0	316,762	1626.9		313,397	1580.8	287,073	2.84 8.40
181								
182	Undesired				Total IX	Unique IX	Prcnt Unique IX	
183	K15CU-D D15 LD LIC		46.2		26,324	46.2	26,324	2.84 8.40
184								