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1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: BMPDVL20150218ABL #143, Model: Longley-Rice
3 Start: 2021.04.05 13:56:41
4
5 Study created: 2021.04.05 13:56:41
6
7 Study build station data: LMS TV 2021-04-05
8
9 Proposal: K05NA-D D14 LD CP MONTEREY, CA
10 File number: BMPDVL20150218ABL
11 Facility ID: 182886
12 Station data: User record
13 Record ID: 118
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 292.5 km
23 No KJEO-LD D14 LD LIC FRESNO, CA BLANK0000093724 224.4
24 No K14PC-D D14 LD CP MONTEREY, CA BNPDTL20100728AEU 15.4
25 Yes K14SI-D D14 LD LIC MONTEREY, CA BLANK0000105351 34.1
26 No KSAO-LD D14 LD LIC SACRAMENTO, CA BLANK0000112334 240.7
27 No KQTA-LD D14 LD CP San Francisco, CA BLANK0000075058 146.1
28 No KDTS-LD D14 LD CP SAN FRANCISCO, CA BLANK0000115857 146.1
29 No KMMC-LD D14 LD CP SAN FRANCISCO, CA BLANK0000074648 146.1
30 No K48LA-D D14 LD CP SOUTH LAKE TAHOE, CA BLANK0000054405 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 34.1
37 No KPJC-LD D15 LD APP San Francisco, CA BLANK0000129104 148.4
38 No KSBY D15 DT LIC SAN LUIS OBISPO, CA BLCDT20081118AEW 167.2
39
40 No non-directional AM stations found within 0.8 km
41
42 No directional AM stations found within 3.2 km
43
44 Record parameters as studied:
45
46 Channel: D14
47 Mask: Full Service
48 Latitude: 36 33 9.00 N (NAD83)
49 Longitude: 121 47 20.00 W
50 Height AMSL: 379.0 m
51 HAAT: 155.0 m
52 Peak ERP: 0.010 kW
53 Antenna: CL-1469 180.0 deg
54 Elev Pattn: Generic
55
56 48.7 dBu contour:
57 Azimuth ERP HAAT Distance
58 0.0 deg 0.000 kW 274.2 m 0.8 km
59 45.0 0.000 253.9 0.8
60 90.0 0.000 11.7 0.8
61 135.0 0.000 22.2 2.9
62 180.0 0.010 -90.3 6.2
63 225.0 0.000 105.1 5.4
64 270.0 0.000 286.7 0.8
65 315.0 0.000 360.5 0.8
66
67 Database HAAT does not agree with computed HAAT
68 Database HAAT: 155 m Computed HAAT: 153 m
69
70 Distance to Canadian border: 1305.2 km
71
72 Distance to Mexican border: 592.0 km
73
74 Conditions at FCC monitoring station: Livermore CA
75 Bearing: 1.3 degrees Distance: 130.3 km
76
77 Proposal is not within the West Virginia quiet zone area
78
79 Conditions at Table Mountain receiving zone:
80 Bearing: 69.6 degrees Distance: 1492.6 km
81
82 No land mobile station failures found
83
84
85 Study cell size: 1.00 km
86 Profile point spacing: 1.00 km

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87
88 Maximum new IX to full-service and Class A: 0.50%
89 Maximum new IX to LPTV: 2.00%
90
91

92 -----
93 Interference to BLANK0000105351 LIC scenario 1
94

	Call	Chan	Svc	Status	City, State	File Number	Distance
95	Desired:	K14SI-D	D14	LD	LIC	MONTEREY, CA	BLANK0000105351
96							
97							
98	Undesireds:	K05NA-D	D14	LD	CP	MONTEREY, CA	BMPDVL20150218ABL 34.1 km
99		KJEO-LD	D14	LD	LIC	FRESNO, CA	BLANK0000093724 197.6
100		K14PC-D	D14	LD	CP	MONTEREY, CA	BNPDTL20100728AEU 44.7
101		KQTA-LD	D14	LD	CP	San Francisco, CA	BLANK0000075058 139.3
102		KDTS-LD	D14	LD	CP	SAN FRANCISCO, CA	BLANK0000115857 139.3
103		KMMC-LD	D14	LD	CP	SAN FRANCISCO, CA	BLANK0000074648 139.3
104		KMMW-LD	D14	LD	LIC	STOCKTON, CA	BLANK0000125019 166.3
105		KBSV	D15	DT	APP	CERES, CA	BLANK0000072220 104.4
106		K15CU-D	D15	LD	LIC	SALINAS, CA	BLDTL20140730AEK 0.0

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
107					
108	4528.7	414,682	3794.4	379,768	2821.1 181,323
109					2810.0 181,267
110					0.39 0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
111			
112	K05NA-D D14 LD CP 13.1	56	11.1 56
113	KJEO-LD D14 LD LIC 1.0	0	1.0 0
114	K14PC-D D14 LD CP 412.4	13,415	376.2 12,196
115	KQTA-LD D14 LD CP 6.0	1,761	0.0 0
116	KDTS-LD D14 LD CP 6.0	1,761	0.0 0
117	KMMC-LD D14 LD CP 6.0	1,761	0.0 0
118	KMMW-LD D14 LD LIC 5.0	0	3.0 0
119	K15CU-D D15 LD LIC 592.1	186,249	548.9 183,269

120
121 -----
122 Interference to proposal scenario 1
123 9.93% interference received
124

	Call	Chan	Svc	Status	City, State	File Number	Distance
125	Desired:	K05NA-D	D14	LD	CP	MONTEREY, CA	BMPDVL20150218ABL
126							
127							
128	Undesireds:	K14SI-D	D14	LD	LIC	MONTEREY, CA	BLANK0000105351 34.1 km
129							
130	Service area	Terrain-limited	IX-free	Percent IX			
131	40.2	4,702	39.2	4,702	37.2	4,235	5.13 9.93
132							
133	Undesired	Total IX	Unique IX	Prctn Unique IX			
134	K14SI-D D14 LD LIC	2.0	467	2.0	467	5.13	9.93

135