

1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: BLDTA20100914AHF #109, Model: Longley-Rice
3 Start: 2020.05.06 14:16:48
4
5 Study created: 2020.05.06 14:16:48
6
7 Study build station data: LMS TV 2020-05-06
8
9 Proposal: KKPM-CD D28+ DC LIC Yuba City, CA
10 File number: BLDTA20100914AHF
11 Facility ID: 51930
12 Station data: User record
13 Record ID: 83
14 Country: U.S.
15
16 Stations potentially affected by proposal:
17
18 IX Call Chan Svc Status City, State File Number Distance
19 No KGMC D27 DT LIC CLOVIS, CA BLANK0000073456 255.4 km
20 Yes KBTB-CD D27 DC LIC SACRAMENTO, CA BLDTA20140908ADO 15.7
21 Yes KPJK D27 DT LIC SAN MATEO, CA BLANK0000108410 135.9
22 No KBVU D28 DT LIC EUREKA, CA BLCDT20130607AAU 309.7
23 No KMMD-CD D28 DC LIC SALINAS, CA BLANK0000068622 241.9
24 Yes KBCW D28 DT LIC SAN FRANCISCO, CA BLANK0000112987 135.9
25 Yes KMPH-TV D28 DT LIC VISALIA, CA BLCDT20030204AGN 321.9
26 Yes KMPH-TV D28 DT CP VISALIA, CA BLANK0000035647 321.9
27 Yes KPIX-TV D29 DT LIC SAN FRANCISCO, CA BLCDT20091112AIZ 135.9
28
29 No non-directional AM stations found within 0.8 km
30
31 No directional AM stations found within 3.2 km
32
33 Record parameters as studied:
34
35 Channel: D28+
36 Mask: Full Service
37 Latitude: 38 42 28.10 N (NAD83)
38 Longitude: 121 28 36.30 W
39 Height AMSL: 154.4 m
40 HAAT: 144.0 m
41 Peak ERP: 15.0 kW
42 Antenna: 4DR-12-3HC 40.0 deg
43 Elev Pattn: Generic
44
45 50.1 dBu contour:
46 Azimuth ERP HAAT Distance
47 0.0 deg 14.9 kW 140.0 m 47.0 km
48 45.0 12.2 126.9 45.1
49 90.0 15.0 119.3 45.6
50 135.0 13.0 133.7 45.9
51 180.0 3.19 146.6 39.6
52 225.0 0.489 148.3 30.1
53 270.0 5.26 147.5 42.2
54 315.0 13.6 147.8 47.1
55
56 Database HAAT does not agree with computed HAAT
57 Database HAAT: 144 m Computed HAAT: 139 m
58
59 Distance to Canadian border: 1070.7 km
60
61 Distance to Mexican border: 770.4 km
62
63 Conditions at FCC monitoring station: Livermore CA
64 Bearing: 192.6 degrees Distance: 111.9 km
65
66 Proposal is not within the West Virginia quiet zone area
67
68 Conditions at Table Mountain receiving zone:
69 Bearing: 78.5 degrees Distance: 1399.9 km
70
71
72 Study cell size: 0.50 km
73 Profile point spacing: 0.10 km
74
75 Maximum new IX to full-service and Class A: 0.50%
76 Maximum new IX to LPTV: 2.00%
77
78
79 -----
80 Interference to BLDTA20140908ADO LIC scenario 1
81
82 Call Chan Svc Status City, State File Number Distance
83 Desired: KBTB-CD D27 DC LIC SACRAMENTO, CA BLDTA20140908ADO
84
85 Undesireds: KKPM-CD D28 DC BL Yuba City, CA DTVBL51930 76.9 km
86 KKPM-CD D28+ DC LIC Yuba City, CA BLDTA20100914AHF 15.7

87	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	36.3	
88	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	123.9	
89								
90	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
91	2557.5	1,674,198	2553.8	1,672,961	2370.5	1,662,834	2366.0	1,662,253
92							0.19	0.03
93	Undesired	Total IX	Unique IX, before	Unique IX, after				
94	KKPM-CD D28 DC BL	0.0	0	0.0	0			
95	KKPM-CD D28+ DC LIC	40.4	1,164			4.5	581	
96	KTFK-DT D26 DT LIC	175.5	9,454	167.0	7,439	135.5	7,212	
97	KPJK D27 DT LIC	16.2	2,688	7.7	673	4.5	557	
98								
99	-----							
100	Interference to BLANK0000108410 LIC scenario 1							
101								
102	Call	Chan	Svc	Status	City, State	File Number	Distance	
103	Desired: KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410		
104								
105	Undesireds: KKPM-CD	D28	DC	BL	Yuba City, CA	DTVBL51930	170.3 km	
106	KKPM-CD	D28+	DC	LIC	Yuba City, CA	BLDTA20100914AHF	135.9	
107	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	139.3	
108	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	99.2	
109	KGMC	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	277.3	
110	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9	
111	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4	
112								
113	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
114	33280.4	7,876,967	28507.3	6,845,983	27216.1	6,710,567	27216.1	6,710,567
115							0.00	0.00
116	Undesired	Total IX	Unique IX, before	Unique IX, after				
117	KKPM-CD D28 DC BL	34.3	410	0.0	0			
118	KKPM-CD D28+ DC LIC	0.0	0			0.0	0	
119	KDJT-CD D26 DC LIC	7.3	789	4.9	789	4.9	789	
120	KTFK-DT D26 DT LIC	1049.1	109,236	84.7	1,132	84.7	1,132	
121	KGMC D27 DT LIC	803.4	125,910	64.4	21,938	64.4	21,938	
122	KBTB-CD D27 DC LIC	689.6	56,804	49.2	1,100	49.2	1,100	
123	KMMD-CD D28 DC LIC	121.7	2,353	107.8	2,353	107.8	2,353	
124								
125	-----							
126	Interference to BLANK0000112987 LIC scenario 1							
127								
128	Call	Chan	Svc	Status	City, State	File Number	Distance	
129	Desired: KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987		
130								
131	Undesireds: KKPM-CD	D28	DC	BL	Yuba City, CA	DTVBL51930	170.3 km	
132	KKPM-CD	D28+	DC	LIC	Yuba City, CA	BLDTA20100914AHF	135.9	
133	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9	
134	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	0.0	
135	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4	
136	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLCDT20030204AGN	338.6	
137	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	0.0	
138								
139	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
140	39445.0	8,230,149	34369.5	7,216,659	30647.0	6,871,514	30933.5	6,902,037
141							-0.93	-0.44
142	Undesired	Total IX	Unique IX, before	Unique IX, after				
143	KKPM-CD D28 DC BL	2134.5	317,864	1163.5	69,840			
144	KKPM-CD D28+ DC LIC	1620.0	210,925			877.1	39,317	
145	KBTB-CD D27 DC LIC	7.3	298	0.0	0	0.0	0	
146	KPJK D27 DT LIC	0.2	0	0.0	0	0.0	0	
147	KMMD-CD D28 DC LIC	1598.6	44,138	1519.4	14,142	1519.7	14,142	
148	KMPH-TV D28 DT LIC	994.6	254,466	52.9	10,979	280.1	87,395	
149	KPIX-TV D29 DT LIC	7.2	2,160	6.4	2,160	6.4	2,160	
150								
151	-----							
152	Interference to BLANK0000112987 LIC scenario 2							
153								
154	Call	Chan	Svc	Status	City, State	File Number	Distance	
155	Desired: KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987		
156								
157	Undesireds: KKPM-CD	D28	DC	BL	Yuba City, CA	DTVBL51930	170.3 km	
158	KKPM-CD	D28+	DC	LIC	Yuba City, CA	BLDTA20100914AHF	135.9	
159	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9	
160	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	0.0	
161	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4	
162	KMPH-TV	D28	DT	CP	VISALIA, CA	BLANK0000035647	338.6	
163	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	0.0	
164								
165	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
166	39445.0	8,230,149	34369.5	7,216,659	30646.3	6,871,514	30930.7	6,902,037
167							-0.93	-0.44
168	Undesired	Total IX	Unique IX, before	Unique IX, after				
169	KKPM-CD D28 DC BL	2134.5	317,864	1137.3	69,789			
170	KKPM-CD D28+ DC LIC	1620.0	210,925			852.9	39,266	
171	KBTB-CD D27 DC LIC	7.3	298	0.0	0	0.0	0	
172	KPJK D27 DT LIC	0.2	0	0.0	0	0.0	0	

173	KMMD-CD	D28	DC	LIC	1598.6	44,138	1519.4	14,142	1519.7	14,142
174	KMPH-TV	D28	DT	CP	1021.6	254,517	53.6	10,979	282.8	87,395
175	KPIX-TV	D29	DT	LIC	7.2	2,160	6.4	2,160	6.4	2,160
176										
177	-----									
178	Interference to BLCDT20030204AGN LIC scenario 1									
179										
180		Call	Chan	Svc	Status	City, State		File Number		Distance
181	Desired:	KMPH-TV	D28	DT	LIC	VISALIA, CA		BLCDT20030204AGN		
182										
183	Undesireds:	KKPM-CD	D28	DC	BL	Yuba City, CA		DTVBL51930		382.2 km
184		KKPM-CD	D28+	DC	LIC	Yuba City, CA		BLDTA20100914AHF		321.9
185		KGMC	D27	DT	LIC	CLOVIS, CA		BLANK0000073456		66.6
186		KCET	D28	DT	CP	LOS ANGELES, CA		BLANK0000109203		281.4
187		KMMD-CD	D28	DC	LIC	SALINAS, CA		BLANK0000068622		245.0
188		KBCW	D28	DT	LIC	SAN FRANCISCO, CA		BLANK0000112987		338.6
189		KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA		BLTTA20101018ACF		137.4
190										
191		Service area			Terrain-limited		IX-free, before	IX-free, after		Percent New IX
192		36454.5	1,723,734		32590.4	1,703,956	32277.8	1,698,832	32277.8	1,698,832
193										0.00
194	Undesired				Total IX		Unique IX, before	Unique IX, after		
195	KKPM-CD D28 DC BL		0.2		0		0.2	0		
196	KKPM-CD D28+ DC LIC		0.2		0			0.2	0	
197	KGMC D27 DT LIC		243.6		3,137	218.8	2,641	218.8	2,641	
198	KCET D28 DT CP		0.5		0	0.5	0	0.5	0	
199	KMMD-CD D28 DC LIC		42.1		405	27.8	0	27.8	0	
200	KBCW D28 DT LIC		26.2		646	5.6	91	5.6	91	
201	KBFX-CD D29 DC LIC		32.0		1,837	32.0	1,837	32.0	1,837	
202										
203	-----									
204	Interference to BLCDT20030204AGN LIC scenario 2									
205										
206		Call	Chan	Svc	Status	City, State		File Number		Distance
207	Desired:	KMPH-TV	D28	DT	LIC	VISALIA, CA		BLCDT20030204AGN		
208										
209	Undesireds:	KKPM-CD	D28	DC	BL	Yuba City, CA		DTVBL51930		382.2 km
210		KKPM-CD	D28+	DC	LIC	Yuba City, CA		BLDTA20100914AHF		321.9
211		KGMC	D27	DT	LIC	CLOVIS, CA		BLANK0000073456		66.6
212		KCET	D28	DT	LIC	LOS ANGELES, CA		BLANK0000055363		281.4
213		KMMD-CD	D28	DC	LIC	SALINAS, CA		BLANK0000068622		245.0
214		KBCW	D28	DT	LIC	SAN FRANCISCO, CA		BLANK0000112987		338.6
215		KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA		BLTTA20101018ACF		137.4
216										
217		Service area			Terrain-limited		IX-free, before	IX-free, after		Percent New IX
218		36454.5	1,723,734		32590.4	1,703,956	32275.5	1,698,832	32275.5	1,698,832
219										0.00
220	Undesired				Total IX		Unique IX, before	Unique IX, after		
221	KKPM-CD D28 DC BL		0.2		0	0.2	0			
222	KKPM-CD D28+ DC LIC		0.2		0			0.2	0	
223	KGMC D27 DT LIC		243.6		3,137	218.8	2,641	218.8	2,641	
224	KCET D28 DT LIC		3.2		0	2.7	0	2.7	0	
225	KMMD-CD D28 DC LIC		42.1		405	27.3	0	27.3	0	
226	KBCW D28 DT LIC		26.2		646	5.6	91	5.6	91	
227	KBFX-CD D29 DC LIC		32.0		1,837	32.0	1,837	32.0	1,837	
228										
229	-----									
230	Interference to BLANK0000035647 CP scenario 1									
231										
232		Call	Chan	Svc	Status	City, State		File Number		Distance
233	Desired:	KMPH-TV	D28	DT	CP	VISALIA, CA		BLANK0000035647		
234										
235	Undesireds:	KKPM-CD	D28	DC	BL	Yuba City, CA		DTVBL51930		382.2 km
236		KKPM-CD	D28+	DC	LIC	Yuba City, CA		BLDTA20100914AHF		321.9
237		KGMC	D27	DT	LIC	CLOVIS, CA		BLANK0000073456		66.6
238		KCET	D28	DT	CP	LOS ANGELES, CA		BLANK0000109203		281.4
239		KMMD-CD	D28	DC	LIC	SALINAS, CA		BLANK0000068622		245.0
240		KBCW	D28	DT	LIC	SAN FRANCISCO, CA		BLANK0000112987		338.6
241		KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA		BLTTA20101018ACF		137.4
242										
243		Service area			Terrain-limited		IX-free, before	IX-free, after		Percent New IX
244		37794.1	1,760,118		33647.3	1,726,564	33323.2	1,718,082	33323.2	1,718,082
245										0.00
246	Undesired				Total IX		Unique IX, before	Unique IX, after		
247	KKPM-CD D28 DC BL		0.2		0	0.2	0			
248	KKPM-CD D28+ DC LIC		0.5		0			0.2	0	
249	KGMC D27 DT LIC		249.9		3,086	226.8	2,590	226.8	2,590	
250	KCET D28 DT CP		0.5		0	0.5	0	0.5	0	
251	KMMD-CD D28 DC LIC		41.4		406	26.3	1	26.3	1	
252	KBCW D28 DT LIC		25.5		646	6.1	91	6.1	91	
253	KBFX-CD D29 DC LIC		37.7		5,245	37.7	5,245	37.7	5,245	
254										
255	-----									
256	Interference to BLANK0000035647 CP scenario 2									
257										
258		Call	Chan	Svc	Status	City, State		File Number		Distance

259 Desired: KMPH-TV D28 DT CP VISALIA, CA BLANK0000035647
 260
 261 Undesireds: KKPM-CD D28 DC BL Yuba City, CA DTVBL51930 382.2 km
 262 KKPM-CD D28+ DC LIC Yuba City, CA BLDTA20100914AHF 321.9
 263 KGMC D27 DT LIC CLOVIS, CA BLANK0000073456 66.6
 264 KCET D28 DT LIC LOS ANGELES, CA BLANK0000055363 281.4
 265 KMMD-CD D28 DC LIC SALINAS, CA BLANK0000068622 245.0
 266 KBCW D28 DT LIC SAN FRANCISCO, CA BLANK0000112987 338.6
 267 KBFX-CD D29 DC LIC BAKERSFIELD, CA BLTTA20101018ACF 137.4
 268
 269 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
 270 37794.1 1,760,118 33647.3 1,726,564 33320.2 1,718,082 33320.2 1,718,082 0.00 0.00
 271
 272 Undesired Total IX Unique IX, before Unique IX, after
 273 KKPM-CD D28 DC BL 0.2 0 0.2 0
 274 KKPM-CD D28+ DC LIC 0.5 0 0.2 0
 275 KGMC D27 DT LIC 249.9 3,086 226.8 2,590 226.8 2,590
 276 KCET D28 DT LIC 3.7 0 3.5 0 3.5 0
 277 KMMD-CD D28 DC LIC 41.4 406 26.3 1 26.3 1
 278 KBCW D28 DT LIC 25.5 646 6.1 91 6.1 91
 279 KBFX-CD D29 DC LIC 37.7 5,245 37.5 5,245 37.5 5,245
 280
 281 -----
 282 Interference to BLCDDT20091112AIZ LIC scenario 1
 283
 284 Call Chan Svc Status City, State File Number Distance
 285 Desired: KPIX-TV D29 DT LIC SAN FRANCISCO, CA BLCDDT20091112AIZ
 286
 287 Undesireds: KKPM-CD D28 DC BL Yuba City, CA DTVBL51930 170.3 km
 288 KKPM-CD D28+ DC LIC Yuba City, CA BLDTA20100914AHF 135.9
 289 KMMD-CD D28 DC LIC SALINAS, CA BLANK0000068622 154.4
 290
 291 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
 292 37622.5 8,333,720 32546.0 7,286,449 32303.2 7,283,100 32311.5 7,283,158 -0.03 -0.00
 293
 294 Undesired Total IX Unique IX, before Unique IX, after
 295 KKPM-CD D28 DC BL 8.3 58 8.3 58
 296 KKPM-CD D28+ DC LIC 0.0 0 0.0 0
 297 KMMD-CD D28 DC LIC 234.5 3,291 234.5 3,291 234.5 3,291
 298
 299 -----
 300 Interference to proposal scenario 1
 301 0.91% interference received
 302
 303 Call Chan Svc Status City, State File Number Distance
 304 Desired: KKPM-CD D28+ DC LIC Yuba City, CA BLDTA20100914AHF
 305
 306 Undesireds: KBTB-CD D27 DC LIC SACRAMENTO, CA BLDTA20140908ADO 15.7 km
 307 KBCW D28 DT LIC SAN FRANCISCO, CA BLANK0000112987 135.9
 308 KMPH-TV D28 DT LIC VISALIA, CA BLCDDT20030204AGN 321.9
 309
 310 Service area Terrain-limited IX-free Percent IX
 311 5818.0 1,998,522 5777.3 1,991,856 5708.9 1,973,727 1.18 0.91
 312
 313 Undesired Total IX Unique IX Prcnt Unique IX
 314 KBTB-CD D27 DC LIC 24.3 7,711 14.0 4,728 0.24 0.24
 315 KBCW D28 DT LIC 54.3 13,401 44.1 10,418 0.76 0.52
 316