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1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: BPDVL20150219AAL, Model: Longley-Rice
3 Start: 2018.08.09 17:50:52
4
5 Study created: 2018.08.09 17:50:52
6
7 Study build station data: LMS TV 2018-08-09
8
9 Proposal: K04RS-D D4 LD CP SAN JUAN BAUTISTA, CA
10 File number: BPDVL20150219AAL
11 Facility ID: 182086
12 Station data: User record
13 Record ID: 71
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 KQRM-LP N2+ TX LIC PETALUMA, CA BLTVL20120907AEC 111.9 km
23 No DKAAP-LP N2z TX APP SANTA CRUZ, CA BLTVL20100721DAA 67.6
24 No KCSO-LD D3 LD LIC SACRAMENTO, CA BLANK0000024609 131.3
25 No KURK-LD D3 LD LIC San Francisco, CA BLANK0000022172 111.9
26 No KURK-LD D3 LD CP San Francisco, CA BLANK0000022228 89.4
27 No DK03HY-D D3 LD APP SAN FRANCISCO, CA BLDVL20140609AAP 111.9
28 No K46II-D D4 LD APP BAKERSFIELD, CA BLANK0000054913 334.2
29 No K04QR-D D4 LD LIC ESPARTO, CA BLDVL20100714ABU 181.8
30 Yes KJKZ-LP D4 LD APP FRESNO, CA BLANK0000054038 230.3
31 No KWHY-TV D4 DT CP LOS ANGELES, CA BLANK0000034713 469.2
32 No K04QC N4+ TX LIC PALERMO, CA BLTVL20050114ADZ 261.5
33 Yes QQSL-LD D4 LD LIC SAN RAFAEL, CA BLANK0000001344 111.9
34 Yes QQSL-LD D4 LD CP SAN RAFAEL, CA BLANK0000011269 89.4
35 No KBIS-LD D4 LD CP TURLOCK, CA BLANK0000011441 92.7
36 No KBIS-LD D4 LD LIC TURLOCK, CA BLANK0000011396 94.3
37 No KRMF-LD D4 LD LIC RENO, NV BLDVL20140224ADC 326.3
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: D4
46 Mask: Full Service
47 Latitude: 37 7 7.80 N (NAD83)
48 Longitude: 121 50 0.80 W
49 Height AMSL: 1098.0 m
50 HAAT: 0.0 m
51 Peak ERP: 1.00 kW
52 Antenna: SCA-CL-24 (ID 20780) 145.0 deg
53 Elev Pattn: Generic
54
55 43.0 dBu contour:
56 Azimuth ERP HAAT Distance
57 0.0 deg 0.000 kW 924.9 m 19.7 km
58 45.0 0.000 874.2 12.4
59 90.0 0.046 842.8 54.7
60 135.0 0.884 654.6 74.7
61 180.0 0.308 685.8 66.4
62 225.0 0.000 757.4 11.9
63 270.0 0.000 671.6 11.4
64 315.0 0.002 522.7 23.2
65
66 Database HAAT does not agree with computed HAAT
67 Database HAAT: 0 m Computed HAAT: 742 m
68
69 Distance to Canadian border: 1242.2 km
70
71 Distance to Mexican border: 641.9 km
72
73 Conditions at FCC monitoring station: Livermore CA
74 Bearing: 5.9 degrees Distance: 67.7 km
75
76 Proposal is not within the West Virginia quiet zone area
77
78 Conditions at Table Mountain receiving zone:
79 Bearing: 71.9 degrees Distance: 1475.6 km
80
81
82 Study cell size: 1.00 km
83 Profile point spacing: 1.00 km
84
85 Maximum new IX to full-service and Class A: 0.50%
86 Maximum new IX to LPTV: 2.00%

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87
88
89 -----
90 Interference to BLANK0000054038 APP scenario 1
91
92 Call      Chan  Svc Status  City, State      File Number      Distance
93 Desired:  KJKZ-LP  D4    LD  APP    FRESNO, CA      BLANK0000054038
94
95 Undesireds: K04RS-D  D4    LD  CP      SAN JUAN BAUTISTA, CA  BPDVL20150219AAL  230.3 km
96             K46II-D  D4    LD  APP    BAKERSFIELD, CA      BLANK0000054913    153.3
97             KQSL-LD  D4    LD  LIC    SAN RAFAEL, CA       BLANK0000001344    320.1
98             KBIS-LD  D4    LD  CP      TURLOCK, CA         BLANK0000011441    183.9
99
100      Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
101      8195.0    1,080,895      8068.9    1,080,563      7957.5    1,061,159      7929.4    1,061,159      0.35    0.00
102
103 Undesired      Total IX      Unique IX, before      Unique IX, after
104 K04RS-D D4 LD CP      43.1      3      28.1      0
105 K46II-D D4 LD APP      94.4      19,401      91.4      19,401      89.4      19,401
106 KQSL-LD D4 LD LIC      5.0      3      2.0      3      1.0      0
107 KBIS-LD D4 LD CP      17.0      0      14.0      0      4.0      0
108
109 -----
110 Interference to BLANK0000054038 APP scenario 2
111
112 Call      Chan  Svc Status  City, State      File Number      Distance
113 Desired:  KJKZ-LP  D4    LD  APP    FRESNO, CA      BLANK0000054038
114
115 Undesireds: K04RS-D  D4    LD  CP      SAN JUAN BAUTISTA, CA  BPDVL20150219AAL  230.3 km
116             K46II-D  D4    LD  APP    BAKERSFIELD, CA      BLANK0000054913    153.3
117             KQSL-LD  D4    LD  LIC    SAN RAFAEL, CA       BLANK0000001344    320.1
118
119      Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
120      8195.0    1,080,895      8068.9    1,080,563      7971.5    1,061,159      7933.5    1,061,159      0.48    0.00
121
122 Undesired      Total IX      Unique IX, before      Unique IX, after
123 K04RS-D D4 LD CP      43.1      3      38.1      0
124 K46II-D D4 LD APP      94.4      19,401      92.4      19,401      90.4      19,401
125 KQSL-LD D4 LD LIC      5.0      3      3.0      3      1.0      0
126
127 -----
128 Interference to BLANK0000054038 APP scenario 3
129
130 Call      Chan  Svc Status  City, State      File Number      Distance
131 Desired:  KJKZ-LP  D4    LD  APP    FRESNO, CA      BLANK0000054038
132
133 Undesireds: K04RS-D  D4    LD  CP      SAN JUAN BAUTISTA, CA  BPDVL20150219AAL  230.3 km
134             K46II-D  D4    LD  APP    BAKERSFIELD, CA      BLANK0000054913    153.3
135             KBIS-LD  D4    LD  CP      TURLOCK, CA         BLANK0000011441    183.9
136
137      Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
138      8195.0    1,080,895      8068.9    1,080,563      7959.5    1,061,162      7930.4    1,061,159      0.37    0.00
139
140 Undesired      Total IX      Unique IX, before      Unique IX, after
141 K04RS-D D4 LD CP      43.1      3      29.1      3
142 K46II-D D4 LD APP      94.4      19,401      92.4      19,401      90.4      19,401
143 KBIS-LD D4 LD CP      17.0      0      15.0      0      4.0      0
144
145 -----
146 Interference to BLANK0000054038 APP scenario 4
147
148 Call      Chan  Svc Status  City, State      File Number      Distance
149 Desired:  KJKZ-LP  D4    LD  APP    FRESNO, CA      BLANK0000054038
150
151 Undesireds: K04RS-D  D4    LD  CP      SAN JUAN BAUTISTA, CA  BPDVL20150219AAL  230.3 km
152             K46II-D  D4    LD  APP    BAKERSFIELD, CA      BLANK0000054913    153.3
153
154      Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
155      8195.0    1,080,895      8068.9    1,080,563      7974.5    1,061,162      7934.4    1,061,159      0.50    0.00
156
157 Undesired      Total IX      Unique IX, before      Unique IX, after
158 K04RS-D D4 LD CP      43.1      3      40.1      3
159 K46II-D D4 LD APP      94.4      19,401      94.4      19,401      91.4      19,401
160
161 -----
162 Interference to BLANK000001344 LIC scenario 1
163
164 Call      Chan  Svc Status  City, State      File Number      Distance
165 Desired:  KQSL-LD  D4    LD  LIC    SAN RAFAEL, CA      BLANK0000001344
166
167 Undesireds: K04RS-D  D4    LD  CP      SAN JUAN BAUTISTA, CA  BPDVL20150219AAL  111.9 km
168             KURK-LD  D3    LD  LIC    San Francisco, CA      BLANK0000022172    0.0
169             K04EZ   D4    LD  CP      BIG BEND, ETC., CA     BDFCDTV20110812ACV  347.7
170             K04QR-D  D4    LD  LIC    ESPARTO, CA           BLDVL20100714ABU    152.5
171             KJKZ-LP  D4    LD  APP    FRESNO, CA           BLANK0000054038    320.1
172             KBIS-LD  D4    LD  CP      TURLOCK, CA         BLANK0000011441    140.7

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173	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
175	11739.1	4,977,217	11519.0	4,956,468	11191.4	4,865,090	11184.3	4,859,845	0.06	0.11
176										
177	Undesired		Total IX		Unique IX, before		Unique IX, after			
178	K04RS-D	D4 LD CP	9.1	5,733			7.1	5,245		
179	K04EZ-D	D4 LD CP	1.0	0	0.0	0	0.0	0		
180	K04QR-D	D4 LD LIC	175.9	56,859	145.7	55,942	145.7	55,942		
181	KJKZ-LP	D4 LD APP	32.4	548	3.0	491	1.0	3		
182	KBIS-LD	D4 LD CP	176.8	34,944	127.4	34,012	127.4	34,012		
183	-----									
184	Interference to BLANK0000001344 LIC scenario 2									
185										
187		Call	Chan	Svc	Status	City, State	File Number	Distance		
188	Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344			
189										
190	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	111.9 km		
191		KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	0.0		
192		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5		
193		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	320.1		
194		KBIS-LD	D4	LD	CP	TURLOCK, CA	BLANK0000011441	140.7		
195										
196	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
197	11739.1	4,977,217	11519.0	4,956,468	11191.4	4,865,090	11184.3	4,859,845	0.06	0.11
198										
199	Undesired		Total IX		Unique IX, before		Unique IX, after			
200	K04RS-D	D4 LD CP	9.1	5,733			7.1	5,245		
201	K04QR-D	D4 LD LIC	175.9	56,859	145.7	55,942	145.7	55,942		
202	KJKZ-LP	D4 LD APP	32.4	548	3.0	491	1.0	3		
203	KBIS-LD	D4 LD CP	176.8	34,944	127.4	34,012	127.4	34,012		
204										
205	-----									
206	Interference to BLANK0000001344 LIC scenario 3									
207										
208		Call	Chan	Svc	Status	City, State	File Number	Distance		
209	Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344			
210										
211	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	111.9 km		
212		KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000022228	22.6		
213		K04EZ	D4	LD	CP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	347.7		
214		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5		
215		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	320.1		
216		KBIS-LD	D4	LD	CP	TURLOCK, CA	BLANK0000011441	140.7		
217										
218	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
219	11739.1	4,977,217	11519.0	4,956,468	11112.3	4,803,261	11105.2	4,798,016	0.06	0.11
220										
221	Undesired		Total IX		Unique IX, before		Unique IX, after			
222	K04RS-D	D4 LD CP	9.1	5,733			7.1	5,245		
223	KURK-LD	D3 LD CP	80.1	61,915	79.1	61,829	79.1	61,829		
224	K04EZ	D4 LD CP	1.0	0	0.0	0	0.0	0		
225	K04QR-D	D4 LD LIC	175.9	56,859	145.7	55,942	145.7	55,942		
226	KJKZ-LP	D4 LD APP	32.4	548	2.0	405	1.0	3		
227	KBIS-LD	D4 LD CP	176.8	34,944	127.4	34,012	127.4	34,012		
228										
229	-----									
230	Interference to BLANK0000001344 LIC scenario 4									
231										
232		Call	Chan	Svc	Status	City, State	File Number	Distance		
233	Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344			
234										
235</										

259	K04EZ	D4	LD	CP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	347.7
260	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5
261	KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	320.1
262	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000011396	158.2

263										
264	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX			
265	11739.1	4,977,217	11519.0	4,956,468	11312.7	4,899,102	11305.6	4,893,857	0.06	0.11

266								
267	Undesired			Total IX	Unique IX, before	Unique IX, after		
268	K04RS-D D4 LD CP		9.1	5,733		7.1	5,245	
269	K04EZ D4 LD CP		1.0	0	0.0	0	0	
270	K04QR-D D4 LD LIC		175.9	56,859	166.8	56,818	166.8	56,818
271	KJKZ-LP D4 LD APP		32.4	548	20.2	507	18.2	19
272	KBIS-LD D4 LD LIC		11.1	40	6.1	0	6.1	0

Interference to BLANK0000001344 LIC scenario 6

273								
274								
275	Call	Chan	Svc	Status	City, State	File Number	Distance	
276	Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
277								
278	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	111.9 km
279		KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	0.0
280		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5
281		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	320.1
282		KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000011396	158.2

283										
284	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX			
285	11739.1	4,977,217	11519.0	4,956,468	11312.7	4,899,102	11305.6	4,893,857	0.06	0.11

286				Total IX	Unique IX, before	Unique IX, after		
287	K04RS-D D4 LD CP		9.1	5,733		7.1	5,245	
288	K04QR-D D4 LD LIC		175.9	56,859	167.8	56,818	167.8	56,818
289	KJKZ-LP D4 LD APP		32.4	548	20.2	507	18.2	19
290	KBIS-LD D4 LD LIC		11.1	40	6.1	0	6.1	0

Interference to BLANK0000001344 LIC scenario 7

291								
292	Call	Chan	Svc	Status	City, State	File Number	Distance	
293	Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
294								
295	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	111.9 km
296		KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000022228	22.6
297		K04EZ	D4	LD	CP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	347.7
298		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5
299		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	320.1
300		KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000011396	158.2

301										
302	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX			
303	11739.1	4,977,217	11519.0	4,956,468	11233.6	4,837,273	11226.5	4,832,028	0.06	0.11

304				Total IX	Unique IX, before	Unique IX, after		
305	K04RS-D D4 LD CP		9.1	5,733		7.1	5,245	
306	KURK-LD D3 LD CP		80.1	61,915	79.1	61,829	79.1	61,829
307	K04EZ D4 LD CP		1.0	0	0.0	0	0.0	0
308	K04QR-D D4 LD LIC		175.9	56,859	166.8	56,818	166.8	56,818
309	KJKZ-LP D4 LD APP		32.4	548	19.2	421	18.2	19
310	KBIS-LD D4 LD LIC		11.1	40	6.1	0	6.1	0

Interference to BLANK0000001344 LIC scenario 8

311								
312	Call	Chan	Svc	Status	City, State	File Number	Distance	
313	Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
314								
315	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	111.9 km
316		KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000022228	22.6
317		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5
318		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	320.1
319		KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000011396	158.2

320										
321	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX			
322	11739.1	4,977,217	11519.0	4,956,468	11233.6	4,837,273	11226.5	4,832,028	0.06	0.11

323				Total IX	Unique IX, before	Unique IX, after		
324	K04RS-D D4 LD CP		9.1	5,733		7.1	5,245	
325	KURK-LD D3 LD CP		80.1	61,915	79.1	61,829	79.1	61,829
326	K04QR-D D4 LD LIC		175.9	56,859	167.8	56,818	167.8	56,818
327	KJKZ-LP D4 LD APP		32.4	548	19.2	421	18.2	19
328	KBIS-LD D4 LD LIC		11.1	40	6.1	0	6.1	0

Interference to BLANK0000011269 CP scenario 1

329							
330	Call	Chan	Svc	Status	City, State	File Number	Distance

345	Desired:	KQSL-LD	D4	LD	CP	SAN RAFAEL, CA	BLANK0000011269	
346								
347	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	89.4 km
348		KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	22.6
349		DK03HY-D	D3	LD	APP	SAN FRANCISCO, CA	BLDVL20140609AAP	22.6
350		K04EZ	D4	LD	CP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	365.3
351		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	154.4
352		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	302.0
353		KBIS-LD	D4	LD	CP	TURLOCK, CA	BLANK0000011441	126.2

354								
355	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
356	18493.0	6,451,636	17579.0	6,294,548	17206.6	6,182,680	17172.7	6,134,126
357								0.20 0.79

358	Undesired			Total IX	Unique IX, before	Unique IX, after	
359	K04RS-D D4 LD CP	34.9		48,554		33.9	48,554
360	KURK-LD D3 LD LIC	4.0		2	0.0	0.0	0
361	DK03HY-D D3 LD APP	4.0		2	0.0	0.0	0
362	K04QR-D D4 LD LIC	201.6		53,651	94.6	94.6	17,093
363	KJKZ-LP D4 LD APP	42.5		3,493	2.0	2.0	3
364	KBIS-LD D4 LD CP	271.7		94,770	143.5	143.5	56,319

Interference to BLANK0000011269 CP scenario 2

365								
366								
367	Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
368		KQSL-LD	D4	LD	CP	SAN RAFAEL, CA	BLANK0000011269	
369								
370	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	89.4 km
371		DK03HY-D	D3	LD	APP	SAN FRANCISCO, CA	BLDVL20140609AAP	22.6
372		K04EZ	D4	LD	CP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	365.3
373		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	154.4
374		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	302.0
375		KBIS-LD	D4	LD	CP	TURLOCK, CA	BLANK0000011441	126.2

376								
377	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
378	18493.0	6,451,636	17579.0	6,294,548	17206.6	6,182,680	17172.7	6,134,126
379								0.20 0.79

380	Undesired			Total IX	Unique IX, before	Unique IX, after	
381	K04RS-D D4 LD CP	34.9		48,554		33.9	48,554
382	DK03HY-D D3 LD APP	4.0		2	3.0	3.0	2
383	K04QR-D D4 LD LIC	201.6		53,651	94.6	94.6	17,093
384	KJKZ-LP D4 LD APP	42.5		3,493	2.0	2.0	3
385	KBIS-LD D4 LD CP	271.7		94,770	143.5	143.5	56,319

Interference to BLANK0000011269 CP scenario 3

386								
387	Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
388		KQSL-LD	D4	LD	CP	SAN RAFAEL, CA	BLANK0000011269	
389								
390	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	89.4 km
391		KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	22.6
392		DK03HY-D	D3	LD	APP	SAN FRANCISCO, CA	BLDVL20140609AAP	22.6
393		K04EZ	D4	LD	CP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	365.3
394		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	154.4
395		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	302.0
396		KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000011396	142.0

397								
398	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
399	18493.0	6,451,636	17579.0	6,294,548	17350.1	6,238,999	17316.2	6,190,445
400								0.20 0.78

401	Undesired			Total IX	Unique IX, before	Unique IX, after	
402	K04RS-D D4 LD CP	34.9		48,554		33.9	48,554
403	KURK-LD D3 LD LIC	4.0		2	0.0	0.0	0
404	DK03HY-D D3 LD APP	4.0		2	0.0	0.0	0
405	K04QR-D D4 LD LIC	201.6		53,651	181.4	180.4	52,054
406	KJKZ-LP D4 LD APP	42.5		3,493	21.3	21.3	1,896
407	KBIS-LD D4 LD LIC	11.1		0	0.0	0.0	0

Interference to BLANK0000011269 CP scenario 4

408								
409	Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
410		KQSL-LD	D4	LD	CP	SAN RAFAEL, CA	BLANK0000011269	
411								
412	Undesireds:	K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	89.4 km
413		DK03HY-D	D3	LD	APP	SAN FRANCISCO, CA	BLDVL20140609AAP	22.6
414		K04EZ	D4	LD	CP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	365.3
415		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	154.4
416		KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	302.0
417		KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000011396	142.0

418								
419	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
420	18493.0	6,451,636	17579.0	6,294,548	17350.1	6,238,999	17316.2	6,190,445
421								0.20 0.78

422	Undesired			Total IX	Unique IX, before	Unique IX, after	
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431	K04RS-D D4 LD CP	34.9	48,554		33.9	48,554
432	DK03HY-D D3 LD APP	4.0	2	3.0	2	3.0
433	K04QR-D D4 LD LIC	201.6	53,651	181.4	52,054	180.4
434	KJKZ-LP D4 LD APP	42.5	3,493	21.3	1,896	21.3
435	KBIS-LD D4 LD LIC	11.1	0	0.0	0	0.0
436						

437 -----  
438 Interference to proposal scenario 1  
439 \*\*MX: 50.29% interference received  
440

441	Call	Chan	Svc	Status	City, State	File Number	Distance
442	Desired: K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	
443							
444	Undesireds: KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	111.9 km
445	KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	230.3
446	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	111.9
447	KBIS-LD	D4	LD	CP	TURLOCK, CA	BLANK0000011441	92.7
448							
449	Service area	Terrain-limited			IX-free	Percent IX	
450	5685.6 1,285,533	5462.7	1,259,062	4958.0	625,936	9.24	50.29
451							
452	Undesired		Total IX		Unique IX	Prcnt Unique IX	
453	KJKZ-LP D4 LD APP	83.8	1,352	45.9	13	0.84	0.00
454	KQSL-LD D4 LD LIC	428.9	633,113	412.9	631,774	7.56	50.18
455	KBIS-LD D4 LD CP	34.0	0	8.0	0	0.15	0.00
456							

457 -----  
458 Interference to proposal scenario 2  
459 \*\*MX: 50.29% interference received  
460

461	Call	Chan	Svc	Status	City, State	File Number	Distance
462	Desired: K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	
463							
464	Undesireds: KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	111.9 km
465	KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	230.3
466	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	111.9
467							
468	Service area	Terrain-limited			IX-free	Percent IX	
469	5685.6 1,285,533	5462.7	1,259,062	4966.0	625,936	9.09	50.29
470							
471	Undesired		Total IX		Unique IX	Prcnt Unique IX	
472	KJKZ-LP D4 LD APP	83.8	1,352	67.9	13	1.24	0.00
473	KQSL-LD D4 LD LIC	428.9	633,113	412.9	631,774	7.56	50.18
474							

475 -----  
476 Interference to proposal scenario 3  
477 \*\*MX: 49.59% interference received  
478

479	Call	Chan	Svc	Status	City, State	File Number	Distance
480	Desired: K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	
481							
482	Undesireds: KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	111.9 km
483	KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	230.3
484	KQSL-LD	D4	LD	CP	SAN RAFAEL, CA	BLANK0000011269	89.4
485	KBIS-LD	D4	LD	CP	TURLOCK, CA	BLANK0000011441	92.7
486							
487	Service area	Terrain-limited			IX-free	Percent IX	
488	5685.6 1,285,533	5462.7	1,259,062	4982.0	634,705	8.80	49.59
489							
490	Undesired		Total IX		Unique IX	Prcnt Unique IX	
491	KJKZ-LP D4 LD APP	83.8	1,352	51.9	13	0.95	0.00
492	KQSL-LD D4 LD CP	396.9	624,344	388.9	623,005	7.12	49.48
493	KBIS-LD D4 LD CP	34.0	0	8.0	0	0.15	0.00
494							

495 -----  
496 Interference to proposal scenario 4  
497 \*\*MX: 49.59% interference received  
498

499	Call	Chan	Svc	Status	City, State	File Number	Distance
500	Desired: K04RS-D	D4	LD	CP	SAN JUAN BAUTISTA, CA	BPDVL20150219AAL	
501							
502	Undesireds: KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	111.9 km
503	KJKZ-LP	D4	LD	APP	FRESNO, CA	BLANK0000054038	230.3
504	KQSL-LD	D4	LD	CP	SAN RAFAEL, CA	BLANK0000011269	89.4
505							
506	Service area	Terrain-limited			IX-free	Percent IX	
507	5685.6 1,285,533	5462.7	1,259,062	4990.0	634,705	8.65	49.59
508							
509	Undesired		Total IX		Unique IX	Prcnt Unique IX	
510	KJKZ-LP D4 LD APP	83.8	1,352	75.9	13	1.39	0.00
511	KQSL-LD D4 LD CP	396.9	624,344	388.9	623,005	7.12	49.48
512							