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1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: BLANK0000080433 #257, Model: Longley-Rice
3 Start: 2022.09.23 11:42:32
4
5 Study created: 2022.09.23 11:42:32
6
7 Study build station data: LMS TV 2022-09-21
8
9 Proposal: KURK-LD D3 LD CP San Francisco, CA
10 File number: BLANK0000080433
11 Facility ID: 182643
12 Station data: User record
13 Record ID: 232
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 KFTY-LD D2 LD LIC MIDDLETOWN, CA BLANK0000195595 102.8 km
23 Yes KQRO-LD D2 LD LIC MORGAN HILL, CA BLANK0000001892 89.4
24 No DKAAP-LP N2z TX APP SANTA CRUZ, CA BLTVL20100721DAA 154.4
25 Yes KXVU-LD D3- LD LIC CHICO, CA BLANK0000125684 253.5
26 Yes KIEM-TV D3 DT LIC EUREKA, CA BLCDDT20090622AGO 355.0
27 No K25KY-D N3+ TX LIC FRESNO, CA BLTVL20060327AIS 264.7
28 No DDK03FU N3 TX APP MOUNTAIN GATE, ETC., CA BLTTV19810713IN 333.1
29 No DDK03FU D3 LD APP MOUNTAIN GATE, ETC., CA BDFCDTV20110812ACW 333.2
30 Yes KCSO-LD D3 LD LIC SACRAMENTO, CA BLANK0000024609 100.8
31 Yes K03IZ-D D3 LD CP SALINAS, CA BLANK0000170831 154.4
32 Yes K03IZ-D D3 LD LIC SALINAS, CA BLANK0000164316 154.4
33 No KCNL-LD D3 LD LIC RENO, NV BLDVL20140619ABN 307.1
34 No K04QR-D D4 LD LIC ESPARTO, CA BLDVL20100714ABU 154.4
35 No K04SF-D D4 LD LIC GUSTINE, CA BLANK0000194136 133.2
36 No K04QC-D D4+ LD LIC PALERMO, CA BLANK0000152604 204.3
37 No K04RS-D D4 LD CP Salinas, CA BLANK0000189633 154.3
38 No K04RS-D D4 LD LIC Salinas, CA BLANK0000113066 146.1
39 No K04RS-D D4 LD APP Salinas, CA BLANK0000200648 154.3
40 Yes KQSL-LD D4 LD LIC SAN RAFAEL, CA BLANK0000001344 22.6
41 No KQSL-LD D4 LD CP SAN RAFAEL, CA BLANK0000191871 0.0
42 No KBIS-LD D4 LD LIC TURLOCK, CA BLANK0000078016 126.2
43
44 No non-directional AM stations found within 0.8 km
45
46 No directional AM stations found within 3.2 km
47
48 Record parameters as studied:
49
50 Channel: D3
51 Mask: Full Service
52 Latitude: 37 45 19.00 N (NAD83)
53 Longitude: 122 27 10.00 W
54 Height AMSL: 489.9 m
55 HAAT: 0.0 m
56 Peak ERP: 3.00 kW
57 Antenna: Omnidirectional
58 Elev Pattn: Generic
59
60 43.0 dBu contour:
61 Azimuth ERP HAAT Distance
62 0.0 deg 3.00 kW 463.7 m 76.9 km
63 45.0 3.00 483.0 78.1
64 90.0 3.00 483.7 78.2
65 135.0 3.00 472.7 77.5
66 180.0 3.00 372.4 71.1
67 225.0 3.00 482.9 78.1
68 270.0 3.00 483.8 78.2
69 315.0 3.00 482.3 78.1
70
71 Database HAAT does not agree with computed HAAT
72 Database HAAT: 0 m Computed HAAT: 466 m
73
74 Distance to Canadian border: 1167.0 km
75
76 Distance to Mexican border: 731.2 km
77
78 Conditions at FCC monitoring station: Livermore CA
79 Bearing: 92.9 degrees Distance: 61.5 km
80
81 Proposal is not within the West Virginia quiet zone area
82
83 Conditions at Table Mountain receiving zone:
84 Bearing: 74.6 degrees Distance: 1507.5 km
85
86

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87 Study cell size: 1.00 km
88 Profile point spacing: 1.00 km
89
90 Maximum new IX to full-service and Class A: 0.50%
91 Maximum new IX to LPTV: 2.00%
92
93
94 -----
95 Interference to BLANK0000195595 LIC scenario 1
96
97           Call      Chan  Svc Status  City, State      File Number      Distance
98 Desired:    KFTY-LD   D2    LD  LIC      MIDDLETOWN, CA    BLANK0000195595
99
100 Undesireds: KURK-LD   D3    LD  CP       San Francisco, CA  BLANK0000080433    102.8 km
101             KQRO-LD   D2    LD  LIC      MORGAN HILL, CA    BLANK0000001892    186.0
102
103           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
104 26155.2  2,043,582  25695.2  2,021,215  24398.2  1,688,515  24397.2  1,686,483  0.00  0.12
105
106 Undesired      Total IX      Unique IX, before      Unique IX, after
107 KURK-LD D3 LD CP      60.7      18,656      1.0      2,032
108 KQRO-LD D2 LD LIC      1297.0      332,700      1297.0      332,700      1237.3      316,076
109
110 -----
111 Interference to BLANK0000001892 LIC scenario 1
112
113           Call      Chan  Svc Status  City, State      File Number      Distance
114 Desired:    KQRO-LD   D2    LD  LIC      MORGAN HILL, CA    BLANK0000001892
115
116 Undesireds: KURK-LD   D3    LD  CP       San Francisco, CA  BLANK0000080433    89.4 km
117             K02QP-D   D2    LD  LIC      Chowchilla, CA     BLANK0000193933    145.1
118             KFTY-LD   D2    LD  LIC      MIDDLETOWN, CA     BLANK0000195595    186.0
119             DKAAP-LP  N2z   TX  APP      SANTA CRUZ, CA     BLTVL20100721DAA    67.6
120             K03IZ-D   D3    LD  CP       SALINAS, CA         BLANK0000170831    67.6
121
122           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
123 9361.9  4,134,493  8545.7  4,048,272  6685.0  3,421,847  6681.9  3,418,591  0.05  0.10
124
125 Undesired      Total IX      Unique IX, before      Unique IX, after
126 KURK-LD D3 LD CP      3.0      3,256      3.0      3,256
127 K02QP-D D2 LD LIC      72.8      36      51.6      36      51.6      36
128 KFTY-LD D2 LD LIC      1582.5      564,398      1536.3      563,083      1536.3      563,083
129 DKAAP-LP N2z TX APP      253.6      63,306      224.7      61,991      224.7      61,991
130
131 -----
132 Interference to BLANK0000125684 LIC scenario 1
133
134           Call      Chan  Svc Status  City, State      File Number      Distance
135 Desired:    KXVU-LD   D3-   LD  LIC      CHICO, CA          BLANK0000125684
136
137 Undesireds: KURK-LD   D3    LD  CP       San Francisco, CA  BLANK0000080433    253.5 km
138             DDK03FU  N3    TX  APP      MOUNTAIN GATE, ETC., CA  BLTTV19810713IN    100.7
139             KCSO-LD   D3    LD  LIC      SACRAMENTO, CA      BLANK0000024609    188.7
140             K04QC-D   D4+   LD  LIC      PALERMO, CA         BLANK0000152604    56.6
141
142           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
143 2195.5  157,258  2153.3  155,651  2112.0  151,434  2111.0  151,434  0.05  0.00
144
145 Undesired      Total IX      Unique IX, before      Unique IX, after
146 KURK-LD D3 LD CP      3.0      0      1.0      0
147 KCSO-LD D3 LD LIC      40.2      4,200      36.2      2,948      35.2      2,948
148 K04QC-D D4+ LD LIC      5.0      1,269      1.0      17      1.0      17
149
150 -----
151 Interference to BLANK0000125684 LIC scenario 2
152
153           Call      Chan  Svc Status  City, State      File Number      Distance
154 Desired:    KXVU-LD   D3-   LD  LIC      CHICO, CA          BLANK0000125684
155
156 Undesireds: KURK-LD   D3    LD  CP       San Francisco, CA  BLANK0000080433    253.5 km
157             DDK03FU  D3    LD  APP      MOUNTAIN GATE, ETC., CA  BDFCDTV20110812ACW  100.9
158             KCSO-LD   D3    LD  LIC      SACRAMENTO, CA      BLANK0000024609    188.7
159             K04QC-D   D4+   LD  LIC      PALERMO, CA         BLANK0000152604    56.6
160
161           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
162 2195.5  157,258  2153.3  155,651  2111.0  151,434  2110.0  151,434  0.05  0.00
163
164 Undesired      Total IX      Unique IX, before      Unique IX, after
165 KURK-LD D3 LD CP      3.0      0      1.0      0
166 DDK03FU D3 LD APP      3.0      0      1.0      0
167 KCSO-LD D3 LD LIC      40.2      4,200      34.2      2,948      34.2      2,948
168 K04QC-D D4+ LD LIC      5.0      1,269      1.0      17      1.0      17
169
170 -----
171 Interference to BLANK0000125684 LIC scenario 3
172

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	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXVU-LD	D3-	LD	LIC	CHICO, CA	BLANK0000125684	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	253.5 km
	DDK03FU	N3	TX	APP	MOUNTAIN GATE, ETC., CA	BLTTV19810713IN	100.7
	KCSO-LD	D3	LD	LIC	SACRAMENTO, CA	BLANK0000024609	188.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2195.5	157,258	2153.3	155,651	2113.0	151,451	2112.0 151,451	0.05 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KURK-LD D3 LD CP		3.0	0			1.0 0	
KCSO-LD D3 LD LIC		40.2	4,200	40.2	4,200	38.2 4,200	

Interference to BLANK0000125684 LIC scenario 4							
Desired:	KXVU-LD	D3-	LD	LIC	CHICO, CA	BLANK0000125684	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	253.5 km
	DDK03FU	D3	LD	APP	MOUNTAIN GATE, ETC., CA	BDFCDTV20110812ACW	100.9
	KCSO-LD	D3	LD	LIC	SACRAMENTO, CA	BLANK0000024609	188.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2195.5	157,258	2153.3	155,651	2112.0	151,451	2111.0 151,451	0.05 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KURK-LD D3 LD CP		3.0	0			1.0 0	
DDK03FU D3 LD APP		3.0	0	1.0	0	1.0 0	
KCSO-LD D3 LD LIC		40.2	4,200	38.2	4,200	37.2 4,200	

Interference to BLCDDT20090622AGO LIC scenario 1							
Desired:	KIEM-TV	D3	DT	LIC	EUREKA, CA	BLCDDT20090622AGO	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	355.0 km
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
40835.3	174,551	38830.6	162,040	38830.6	162,040	38792.3 162,040	0.10 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KURK-LD D3 LD CP		38.3	0			38.3 0	

Interference to BLANK0000024609 LIC scenario 1							
**IX: 3.51% interference caused							
Desired:	KCSO-LD	D3	LD	LIC	SACRAMENTO, CA	BLANK0000024609	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	100.8 km
	KFTY-LD	D2	LD	LIC	MIDDLETOWN, CA	BLANK0000195595	107.5
	KXVU-LD	D3-	LD	LIC	CHICO, CA	BLANK0000125684	188.7
	DDK03FU	N3	TX	APP	MOUNTAIN GATE, ETC., CA	BLTTV19810713IN	283.7
	K03IZ-D	D3	LD	CP	SALINAS, CA	BLANK0000170831	193.3
	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	54.9
	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	132.6
	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	101.9
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	81.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13792.8	3,285,952	13660.2	3,281,424	13369.7	3,239,695	12910.4 3,125,926	3.44 3.51
Undesired		Total IX		Unique IX, before		Unique IX, after	
KURK-LD D3 LD CP		472.3	113,833			459.3 113,769	
KFTY-LD D2 LD LIC		120.8	1,440	16.0	18	14.0 14	
KXVU-LD D3- LD LIC		184.6	1,829	79.8	407	77.8 366	
K03IZ-D D3 LD CP		79.9	27,045	63.6	9,628	54.6 9,609	
K04QR-D D4 LD LIC		5.0	2,564	5.0	2,564	5.0 2,564	
KBIS-LD D4 LD LIC		21.3	27,690	5.1	10,273	5.1 10,273	

Interference to BLANK0000024609 LIC scenario 2							
**IX: 3.50% interference caused							
Desired:	KCSO-LD	D3	LD	LIC	SACRAMENTO, CA	BLANK0000024609	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	100.8 km
	KFTY-LD	D2	LD	LIC	MIDDLETOWN, CA	BLANK0000195595	107.5
	KXVU-LD	D3-	LD	LIC	CHICO, CA	BLANK0000125684	188.7
	DDK03FU	N3	TX	APP	MOUNTAIN GATE, ETC., CA	BLTTV19810713IN	283.7
	K03IZ-D	D3	LD	LIC	SALINAS, CA	BLANK0000164316	193.3

259		K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	54.9	
260		K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	132.6	
261		KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	101.9	
262		KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	81.0	
263									
264		Service area			Terrain-limited	IX-free, before	IX-free, after	Percent	New IX
265	13792.8	3,285,952	13660.2	3,281,424	13432.3	3,249,132	12964.0	3,135,344	3.49 3.50
266									
267	Undesired				Total IX	Unique IX, before	Unique IX, after		
268	KURK-LD D3 LD CP	472.3	113,833			468.3	113,788		
269	KFTY-LD D2 LD LIC	120.8	1,440	18		14.0	14		
270	KXVU-LD D3- LD LIC	184.6	1,829	79.8	407	77.8	366		
271	K03IZ-D D3 LD LIC	1.0	191	1.0	191	1.0	191		
272	K04QR-D D4 LD LIC	5.0	2,564	5.0	2,564	5.0	2,564		
273	KBIS-LD D4 LD LIC	21.3	27,690	21.3	27,690	21.3	27,690		
274									
275									
276	Interference to BLANK0000170831 CP scenario 1								
277									
278		Call	Chan	Svc	Status	City, State	File Number	Distance	
279	Desired:	K03IZ-D	D3	LD	CP	SALINAS, CA	BLANK0000170831		
280									
281	Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	154.4	km
282		KQRO-LD	D2	LD	LIC	MORGAN HILL, CA	BLANK0000001892	67.6	
283		K25KY-D	N3+	TX	LIC	FRESNO, CA	BLTVL20060327AIS	181.6	
284		KCSO-LD	D3	LD	LIC	SACRAMENTO, CA	BLANK0000024609	193.3	
285		K04RS-D	D4	LD	CP	Salinas, CA	BLANK0000189633	0.1	
286		KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	177.0	
287									
288		Service area			Terrain-limited	IX-free, before	IX-free, after	Percent	New IX
289	12228.3	1,540,335	11041.9	1,332,282	10787.7	891,788	10545.0	874,665	2.25 1.92
290									
291	Undesired				Total IX	Unique IX, before	Unique IX, after		
292	KURK-LD D3 LD CP	411.1	446,684			242.8	17,123		
293	KQRO-LD D2 LD LIC	175.2	440,380	171.2	433,126	15.9	10,928		
294	K25KY-D N3+ TX LIC	46.0	0	26.0	0	25.0	0		
295	KCSO-LD D3 LD LIC	56.9	7,368	33.0	114	25.0	0		
296									
297									
298	Interference to BLANK0000164316 LIC scenario 1								
299	**IX: 5.79% interference caused								
300									
301		Call	Chan	Svc	Status	City, State	File Number	Distance	
302	Desired:	K03IZ-D	D3	LD	LIC	SALINAS, CA	BLANK0000164316		
303									
304	Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	154.4	km
305		K04RS-D	D4	LD	CP	Salinas, CA	BLANK0000189633	0.1	
306									
307		Service area			Terrain-limited	IX-free, before	IX-free, after	Percent	New IX
308	3968.4	497,954	3769.0	489,438	3769.0	489,438	3551.7	461,104	5.77 5.79
309									
310	Undesired				Total IX	Unique IX, before	Unique IX, after		
311	KURK-LD D3 LD CP	217.3	28,334			217.3	28,334		
312									
313									
314	Interference to BLANK0000164316 LIC scenario 2								
315	**IX: 5.79% interference caused								
316									
317		Call	Chan	Svc	Status	City, State	File Number	Distance	
318	Desired:								

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345 -----
346 Interference to BLANK0000001344 LIC scenario 1
347
348           Call      Chan  Svc Status  City, State      File Number      Distance
349 Desired:   KQSL-LD   D4    LD  LIC      SAN RAFAEL, CA    BLANK0000001344
350
351 Undesireds: KURK-LD   D3    LD  CP        San Francisco, CA    BLANK0000080433      22.6 km
352             DDK04EZ   D4    LD  APP      BIG BEND, ETC., CA    BDFCDTV20110812ACV    347.7
353             K04QR-D   D4    LD  LIC      ESPARTO, CA          BLDVL20100714ABU     152.5
354             K04QC-D   D4+   LD  LIC      PALERMO, CA          BLANK0000152604      191.5
355             K04RS-D   D4    LD  CP        Salinas, CA          BLANK0000189633      176.9
356             KBIS-LD   D4    LD  LIC      TURLOCK, CA          BLANK0000078016      140.7
357
358           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
359 11739.1  4,977,217  11519.0  4,956,468  11183.3  4,865,044  11104.2  4,803,215      0.71      1.27
360
361 Undesired      Total IX      Unique IX, before      Unique IX, after
362 KURK-LD D3 LD CP      80.1      61,915      79.1      61,829
363 DDK04EZ D4 LD APP      1.0        0      0.0        0      0.0        0
364 K04QR-D D4 LD LIC      175.9     56,859     147.7     55,943     147.7     55,943
365 K04QC-D D4+ LD LIC      2.0        0      0.0        0      0.0        0
366 K04RS-D D4 LD CP      12.2      537     11.2      537     10.1      451
367 KBIS-LD D4 LD LIC      176.8     34,944     148.6     34,028     148.6     34,028
368
369 -----
370 Interference to BLANK0000001344 LIC scenario 2
371
372           Call      Chan  Svc Status  City, State      File Number      Distance
373 Desired:   KQSL-LD   D4    LD  LIC      SAN RAFAEL, CA    BLANK0000001344
374
375 Undesireds: KURK-LD   D3    LD  CP        San Francisco, CA    BLANK0000080433      22.6 km
376             K04QR-D   D4    LD  LIC      ESPARTO, CA          BLDVL20100714ABU     152.5
377             K04QC-D   D4+   LD  LIC      PALERMO, CA          BLANK0000152604      191.5
378             K04RS-D   D4    LD  CP        Salinas, CA          BLANK0000189633      176.9
379             KBIS-LD   D4    LD  LIC      TURLOCK, CA          BLANK0000078016      140.7
380
381           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
382 11739.1  4,977,217  11519.0  4,956,468  11183.3  4,865,044  11104.2  4,803,215      0.71      1.27
383
384 Undesired      Total IX      Unique IX, before      Unique IX, after
385 KURK-LD D3 LD CP      80.1      61,915      79.1      61,829
386 K04QR-D D4 LD LIC      175.9     56,859     147.7     55,943     147.7     55,943
387 K04QC-D D4+ LD LIC      2.0        0      0.0        0      0.0        0
388 K04RS-D D4 LD CP      12.2      537     11.2      537     10.1      451
389 KBIS-LD D4 LD LIC      176.8     34,944     148.6     34,028     148.6     34,028
390
391 -----
392 Interference to BLANK0000001344 LIC scenario 3
393
394           Call      Chan  Svc Status  City, State      File Number      Distance
395 Desired:   KQSL-LD   D4    LD  LIC      SAN RAFAEL, CA    BLANK0000001344
396
397 Undesireds: KURK-LD   D3    LD  CP        San Francisco, CA    BLANK0000080433      22.6 km
398             DDK04EZ   D4    LD  APP      BIG BEND, ETC., CA    BDFCDTV20110812ACV    347.7
399             K04QR-D   D4    LD  LIC      ESPARTO, CA          BLDVL20100714ABU     152.5
400             K04QC-D   D4+   LD  LIC      PALERMO, CA          BLANK0000152604      191.5
401             K04RS-D   D4    LD  LIC      Salinas, CA          BLANK0000113066      168.5
402             KBIS-LD   D4    LD  LIC      TURLOCK, CA          BLANK0000078016      140.7
403
404           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
405 11739.1  4,977,217  11519.0  4,956,468  11194.4  4,865,581  11114.3  4,803,666      0.72      1.27
406
407 Undesired      Total IX      Unique IX, before      Unique IX, after
408 KURK-LD D3 LD CP      80.1      61,915      80.1      61,915
409 DDK04EZ D4 LD APP      1.0        0      0.0        0      0.0        0
410 K04QR-D D4 LD LIC      175.9     56,859     147.7     55,943     147.7     55,943
411 K04QC-D D4+ LD LIC      2.0        0      0.0        0      0.0        0
412 KBIS-LD D4 LD LIC      176.8     34,944     148.6     34,028     148.6     34,028
413
414 -----
415 Interference to BLANK0000001344 LIC scenario 4
416
417           Call      Chan  Svc Status  City, State      File Number      Distance
418 Desired:   KQSL-LD   D4    LD  LIC      SAN RAFAEL, CA    BLANK0000001344
419
420 Undesireds: KURK-LD   D3    LD  CP        San Francisco, CA    BLANK0000080433      22.6 km
421             K04QR-D   D4    LD  LIC      ESPARTO, CA          BLDVL20100714ABU     152.5
422             K04QC-D   D4+   LD  LIC      PALERMO, CA          BLANK0000152604      191.5
423             K04RS-D   D4    LD  LIC      Salinas, CA          BLANK0000113066      168.5
424             KBIS-LD   D4    LD  LIC      TURLOCK, CA          BLANK0000078016      140.7
425
426           Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
427 11739.1  4,977,217  11519.0  4,956,468  11194.4  4,865,581  11114.3  4,803,666      0.72      1.27
428
429 Undesired      Total IX      Unique IX, before      Unique IX, after
430 KURK-LD D3 LD CP      80.1      61,915      80.1      61,915

```

431	K04QR-D	D4	LD	LIC	175.9	56,859	147.7	55,943	147.7	55,943
432	K04QC-D	D4+	LD	LIC	2.0	0	0.0	0	0.0	0
433	KBIS-LD	D4	LD	LIC	176.8	34,944	148.6	34,028	148.6	34,028

Interference to BLANK0000001344 LIC scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	22.6 km
	DDK04EZ	D4	LD	APP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	347.7
	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5
	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	191.5
	K04RS-D	D4	LD	APP	Salinas, CA	BLANK0000200648	176.9
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	140.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
11739.1	4,977,217	11519.0	4,956,468	11183.3	4,865,044	11104.2 4,803,215	0.71 1.27
Undesired		Total IX		Unique IX, before		Unique IX, after	
KURK-LD	D3 LD CP	80.1	61,915			79.1 61,829	
DDK04EZ	D4 LD APP	1.0	0	0.0	0	0.0 0	
K04QR-D	D4 LD LIC	175.9	56,859	147.7	55,943	147.7 55,943	
K04QC-D	D4+ LD LIC	2.0	0	0.0	0	0.0 0	
K04RS-D	D4 LD APP	12.2	537	11.2	537	10.1 451	
KBIS-LD	D4 LD LIC	176.8	34,944	148.6	34,028	148.6 34,028	

Interference to BLANK0000001344 LIC scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	22.6 km
	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5
	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	191.5
	K04RS-D	D4	LD	APP	Salinas, CA	BLANK0000200648	176.9
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	140.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
11739.1	4,977,217	11519.0	4,956,468	11183.3	4,865,044	11104.2 4,803,215	0.71 1.27
Undesired		Total IX		Unique IX, before		Unique IX, after	
KURK-LD	D3 LD CP	80.1	61,915			79.1 61,829	
K04QR-D	D4 LD LIC	175.9	56,859	147.7	55,943	147.7 55,943	
K04QC-D	D4+ LD LIC	2.0	0	0.0	0	0.0 0	
K04RS-D	D4 LD APP	12.2	537	11.2	537	10.1 451	
KBIS-LD	D4 LD LIC	176.8	34,944	148.6	34,028	148.6 34,028	

Interference to BLANK0000001344 LIC scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	22.6 km
	DDK04EZ	D4	LD	APP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	347.7
	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5
	K04RS-D	D4	LD	CP	Salinas, CA	BLANK0000189633	176.9
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	140.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
11739.1	4,977,217	11519.0	4,956,468	11183.3	4,865,044	11104.2 4,803,215	0.71 1.27
Undesired		Total IX		Unique IX, before		Unique IX, after	
KURK-LD	D3 LD CP	80.1	61,915			79.1 61,829	
DDK04EZ	D4 LD APP	1.0	0	0.0	0	0.0 0	
K04QR-D	D4 LD LIC	175.9	56,859	147.7	55,943	147.7 55,943	
K04RS-D	D4 LD CP	12.2	537	11.2	537	10.1 451	
KBIS-LD	D4 LD LIC	176.8	34,944	148.6	34,028	148.6 34,028	

Interference to BLANK0000001344 LIC scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
Undesireds:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	22.6 km
	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVL20100714ABU	152.5
	K04RS-D	D4	LD	CP	Salinas, CA	BLANK0000189633	176.9
	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	140.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
11739.1	4,977,217	11519.0	4,956,468	11183.3	4,865,044	11104.2 4,803,215	0.71 1.27

517	Undesired			Total IX	Unique IX, before	Unique IX, after	
518	KURK-LD D3 LD CP	80.1	61,915			79.1	61,829
519	K04QR-D D4 LD LIC	175.9	56,859	147.7	55,943	147.7	55,943
520	K04RS-D D4 LD CP	12.2	537	11.2	537	10.1	451
521	KBIS-LD D4 LD LIC	176.8	34,944	148.6	34,028	148.6	34,028

523

524 Interference to BLANK0000001344 LIC scenario 9

525

526	Call	Chan	Svc	Status	City, State	File Number	Distance
527	Desired: KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
528							
529	Undesireds: KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	22.6 km
530	DDK04EZ	D4	LD	APP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	347.7
531	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVLT20100714ABU	152.5
532	K04RS-D	D4	LD	LIC	Salinas, CA	BLANK0000113066	168.5
533	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	140.7
534							
535	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
536	11739.1 4,977,217	11519.0	4,956,468	11194.4	4,865,581	11114.3 4,803,666	0.72 1.27

538	Undesired			Total IX	Unique IX, before	Unique IX, after	
539	KURK-LD D3 LD CP	80.1	61,915			80.1	61,915
540	DDK04EZ D4 LD APP	1.0	0	0.0	0	0.0	0
541	K04QR-D D4 LD LIC	175.9	56,859	147.7	55,943	147.7	55,943
542	KBIS-LD D4 LD LIC	176.8	34,944	148.6	34,028	148.6	34,028

544

545 Interference to BLANK0000001344 LIC scenario 10

546

547	Call	Chan	Svc	Status	City, State	File Number	Distance
548	Desired: KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
549							
550	Undesireds: KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	22.6 km
551	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVLT20100714ABU	152.5
552	K04RS-D	D4	LD	LIC	Salinas, CA	BLANK0000113066	168.5
553	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	140.7
554							
555	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
556	11739.1 4,977,217	11519.0	4,956,468	11194.4	4,865,581	11114.3 4,803,666	0.72 1.27

558	Undesired			Total IX	Unique IX, before	Unique IX, after	
559	KURK-LD D3 LD CP	80.1	61,915			80.1	61,915
560	K04QR-D D4 LD LIC	175.9	56,859	147.7	55,943	147.7	55,943
561	KBIS-LD D4 LD LIC	176.8	34,944	148.6	34,028	148.6	34,028

563

564 Interference to BLANK0000001344 LIC scenario 11

565

566	Call	Chan	Svc	Status	City, State	File Number	Distance
567	Desired: KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
568							
569	Undesireds: KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	22.6 km
570	DDK04EZ	D4	LD	APP	BIG BEND, ETC., CA	BDFCDTV20110812ACV	347.7
571	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVLT20100714ABU	152.5
572	K04RS-D	D4	LD	APP	Salinas, CA	BLANK0000200648	176.9
573	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	140.7
574							
575	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
576	11739.1 4,977,217	11519.0	4,956,468	11183.3	4,865,044	11104.2 4,803,215	0.71 1.27

578	Undesired			Total IX	Unique IX, before	Unique IX, after	
579	KURK-LD D3 LD CP	80.1	61,915			79.1	61,829
580	DDK04EZ D4 LD APP	1.0	0	0.0	0	0.0	0
581	K04QR-D D4 LD LIC	175.9	56,859	147.7	55,943	147.7	55,943
582	K04RS-D D4 LD APP	12.2	537	11.2	537	10.1	451
583	KBIS-LD D4 LD LIC	176.8	34,944	148.6	34,028	148.6	34,028

586

587 Interference to BLANK0000001344 LIC scenario 12

588

589	Call	Chan	Svc	Status	City, State	File Number	Distance
590	Desired: KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	
591							
592	Undesireds: KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	22.6 km
593	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDVLT20100714ABU	152.5
594	K04RS-D	D4	LD	APP	Salinas, CA	BLANK0000200648	176.9
595	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	140.7
596							
597	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
598	11739.1 4,977,217	11519.0	4,956,468	11183.3	4,865,044	11104.2 4,803,215	0.71 1.27

599	Undesired			Total IX	Unique IX, before	Unique IX, after	
600	KURK-LD D3 LD CP	80.1	61,915			79.1	61,829
601	K04QR-D D4 LD LIC	175.9	56,859	147.7	55,943	147.7	55,943
602	K04RS-D D4 LD APP	12.2	537	11.2	537	10.1	451

603 KBIS-LD D4 LD LIC 176.8 34,944 148.6 34,028 148.6 34,028

604
605

606 Interference to proposal scenario 1
607 6.75% interference received

608

	Call	Chan	Svc	Status	City, State	File Number	Distance
609	Desired:	KURK-LD	D3	LD CP	San Francisco, CA	BLANK0000080433	
611	Undesireds:	KFTY-LD	D2	LD LIC	MIDDLETOWN, CA	BLANK00000195595	102.8 km
612		KQRO-LD	D2	LD LIC	MORGAN HILL, CA	BLANK00000001892	89.4
613		KXVU-LD	D3-	LD LIC	CHICO, CA	BLANK00000125684	253.5
614		DDK03FU	N3	TX APP	MOUNTAIN GATE, ETC., CA	BLTTV19810713IN	333.1
615		KCSO-LD	D3	LD LIC	SACRAMENTO, CA	BLANK00000024609	100.8
616		K03IZ-D	D3	LD CP	SALINAS, CA	BLANK00000170831	154.4
617		K04RS-D	D4	LD CP	Salinas, CA	BLANK00000189633	154.3
618		KQSL-LD	D4	LD LIC	SAN RAFAEL, CA	BLANK00000001344	22.6

619

	Service area	Terrain-limited	IX-free	Percent IX
620	18598.5	6,474,828	17758.1	6,333,107
621	15386.2	5,905,766	13.36	6.75

622

Undesired	Total IX	Unique IX	Prcnt Unique IX
623 KFTY-LD D2 LD LIC	594.0	129,391	499.3
624 KQRO-LD D2 LD LIC	4.0	9,871	0.0
625 KXVU-LD D3- LD LIC	8.1	10	0.0
626 KCSO-LD D3 LD LIC	1085.5	325,446	948.2
627 K03IZ-D D3 LD CP	876.9	34,976	727.7
628 KQSL-LD D4 LD LIC	12.1	47	3.0

629

630

631
632
633 Interference to proposal scenario 2
634 6.65% interference received

635

	Call	Chan	Svc	Status	City, State	File Number	Distance
636	Desired:	KURK-LD	D3	LD CP	San Francisco, CA	BLANK0000080433	
638	Undesireds:	KFTY-LD	D2	LD LIC	MIDDLETOWN, CA	BLANK00000195595	102.8 km
639		KQRO-LD	D2	LD LIC	MORGAN HILL, CA	BLANK00000001892	89.4
640		KXVU-LD	D3-	LD LIC	CHICO, CA	BLANK00000125684	253.5
641		DDK03FU	N3	TX APP	MOUNTAIN GATE, ETC., CA	BLTTV19810713IN	333.1
642		KCSO-LD	D3	LD LIC	SACRAMENTO, CA	BLANK00000024609	100.8
643		K03IZ-D	D3	LD LIC	SALINAS, CA	BLANK00000164316	154.4
644		K04RS-D	D4	LD CP	Salinas, CA	BLANK00000189633	154.3
645		KQSL-LD	D4	LD LIC	SAN RAFAEL, CA	BLANK00000001344	22.6

646

	Service area	Terrain-limited	IX-free	Percent IX
647	18598.5	6,474,828	17758.1	6,333,107
648	15917.5	5,912,149	10.36	6.65

649

Undesired	Total IX	Unique IX	Prcnt Unique IX
650 KFTY-LD D2 LD LIC	594.0	129,391	551.7
651 KQRO-LD D2 LD LIC	4.0	9,871	2.0
652 KXVU-LD D3- LD LIC	8.1	10	0.0
653 KCSO-LD D3 LD LIC	1085.5	325,446	1025.9
654 K03IZ-D D3 LD LIC	202.4	3,617	196.4
655 KQSL-LD D4 LD LIC	12.1	47	3.0

656

657

658
659
660 Interference to proposal scenario 3
661 6.75% interference received

662

	Call	Chan	Svc	Status	City, State	File Number	Distance
663	Desired:	KURK-LD	D3	LD CP	San Francisco, CA	BLANK0000080433	
665	Undesireds:	KFTY-LD	D2	LD LIC	MIDDLETOWN, CA	BLANK00000195595	102.8 km
666		KQRO-LD	D2	LD LIC	MORGAN HILL, CA	BLANK00000001892	89.4
667		KXVU-LD	D3-	LD LIC	CHICO, CA	BLANK00000125684	253.5
668		DDK03FU	N3	TX APP	MOUNTAIN GATE, ETC., CA	BLTTV19810713IN	333.1
669		KCSO-LD	D3	LD LIC	SACRAMENTO, CA	BLANK00000024609	100.8
670		K03IZ-D	D3	LD CP	SALINAS, CA	BLANK00000170831	154.4
671		K04RS-D	D4	LD CP	Salinas, CA	BLANK00000189633	154.3

672

	Service area	Terrain-limited	IX-free	Percent IX
673	18598.5	6,474,828	17758.1	6,333,107
674	15389.3	5,905,795	13.34	6.75

675

Undesired	Total IX	Unique IX	Prcnt Unique IX
676 KFTY-LD D2 LD LIC	594.0	129,391	499.3
677 KQRO-LD D2 LD LIC	4.0	9,871	0.0
678 KXVU-LD D3- LD LIC	8.1	10	0.0
679 KCSO-LD D3 LD LIC	1085.5	325,446	949.2
680 K03IZ-D D3 LD CP	876.9	34,976	727.7

681

682

683
684
685 Interference to proposal scenario 4
686 6.65% interference received

687

Call	Chan	Svc	Status	City, State	File Number	Distance
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688

689	Desired:	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	
690								
691	Undesireds:	KFTY-LD	D2	LD	LIC	MIDDLETOWN, CA	BLANK00000195595	102.8 km
692		KQRO-LD	D2	LD	LIC	MORGAN HILL, CA	BLANK0000001892	89.4
693		KXVU-LD	D3-	LD	LIC	CHICO, CA	BLANK00000125684	253.5
694		DDK03FU	N3	TX	APP	MOUNTAIN GATE, ETC., CA	BLTTV19810713IN	333.1
695		KCSO-LD	D3	LD	LIC	SACRAMENTO, CA	BLANK0000024609	100.8
696		K03IZ-D	D3	LD	LIC	SALINAS, CA	BLANK00000164316	154.4
697		K04RS-D	D4	LD	CP	Salinas, CA	BLANK00000189633	154.3
698								
699	Service area					Terrain-limited	IX-free	Percent IX
700	18598.5	6,474,828	17758.1	6,333,107	15920.6	5,912,178	10.35	6.65
701								
702	Undesired					Total IX	Unique IX	Prcnt Unique IX
703	KFTY-LD D2 LD LIC		594.0		129,391	551.7	85,212	3.11 1.35
704	KQRO-LD D2 LD LIC		4.0		9,871	2.0	6,700	0.01 0.11
705	KXVU-LD D3- LD LIC		8.1		10	0.0	0	0.00 0.00
706	KCSO-LD D3 LD LIC		1085.5		325,446	1032.0	281,211	5.81 4.44
707	K03IZ-D D3 LD LIC		202.4		3,617	196.4	400	1.11 0.01
708								