

1 tvstudy v2.2.5 (4uoc83)  
2 Database: 127.0.0.1, Study: BLANK0000113066 #212, Model: Longley-Rice  
3 Start: 2022.04.22 13:16:27  
4

5 Study created: 2022.04.22 13:16:27  
6

7 Study build station data: LMS TV 2022-04-22  
8

9 Proposal: K04RS-D D4 LD LIC Salinas, CA  
10 File number: BLANK0000113066  
11 Facility ID: 182086  
12 Station data: User record  
13 Record ID: 187  
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	DKAAP-LP	N2z	TX	APP	SANTA CRUZ, CA	BLTVL20100721DAA	0.1 km
23	No	KCSO-LD	D3	LD	LIC	SACRAMENTO, CA	BLANK0000024609	193.3
24	No	K03IZ-D	D3	LD	CP	SALINAS, CA	BLANK0000170831	0.1
25	No	K03IZ-D	D3	LD	LIC	SALINAS, CA	BLANK0000164316	0.1
26	No	KURK-LD	D3	LD	LIC	San Francisco, CA	BLANK0000022172	176.9
27	No	KURK-LD	D3	LD	CP	San Francisco, CA	BLANK0000080433	154.3
28	No	K04SB-D	D4	LD	LIC	BAKERSFIELD, CA	BLANK0000106976	286.4
29	No	K04QR-D	D4	LD	LIC	ESPARTO, CA	BLDV20100714ABU	239.3
30	Yes	K04SF-D	D4	LD	CP	GUSTINE, CA	BLANK0000156834	88.0
31	No	KWHY-TV	D4	DT	LIC	LOS ANGELES, CA	BLANK0000072085	413.1
32	No	K04QC-D	D4+	LD	LIC	PALERMO, CA	BLANK0000152604	325.4
33	No	K04QC-D	N4+	TX	LIC	PALERMO, CA	BLTVL20050114ADZ	325.4
34	Yes	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA	BLANK0000001344	176.9
35	Yes	KQSL-LD	D4	LD	CP	SAN RAFAEL, CA	BLANK0000071757	154.3
36	No	KBIS-LD	D4	LD	LIC	TURLOCK, CA	BLANK0000078016	134.8
37	No	KRMF-LD	D4	LD	LIC	RENO, NV	BLDV20140224ADC	374.5

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: 36 32 6.00 N (NAD83)  
48 Longitude: 121 37 18.20 W  
49 Height AMSL: 1048.0 m  
50 HAAT: 727.0 m  
51 Peak ERP: 0.600 kW  
52 Antenna: SCA-CL-46 (ID 1006746) 340.0 deg  
53 Elev Pattn: Generic  
54

55 43.0 dBu contour:  
56 Azimuth ERP HAAT Distance  
57 0.0 deg 0.418 kW 989.4 m 75.9 km  
58 45.0 0.003 977.5 34.1  
59 90.0 0.000 925.6 10.2  
60 135.0 0.000 205.2 12.2  
61 180.0 0.001 560.1 20.9  
62 225.0 0.000 630.1 9.3  
63 270.0 0.000 774.3 21.7  
64 315.0 0.333 807.3 70.4  
65

66 Database HAAT does not agree with computed HAAT  
67 Database HAAT: 727 m Computed HAAT: 734 m  
68

69 Distance to Canadian border: 1308.7 km  
70

71 Distance to Mexican border: 580.5 km  
72

73 Conditions at FCC monitoring station: Livermore CA  
74 Bearing: 355.0 degrees Distance: 132.8 km  
75

76 Proposal is not within the West Virginia quiet zone area  
77

78 Conditions at Table Mountain receiving zone:  
79 Bearing: 69.4 degrees Distance: 1479.3 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 BLANK0000156834 CP scenario 1
91
92 Call      Chan  Svc Status  City, State      File Number      Distance
93 Desired:  K04SF-D  D4    LD  CP      GUSTINE, CA      BLANK0000156834
94
95 Undesireds: K04RS-D  D4    LD  LIC      Salinas, CA      BLANK0000113066      88.0 km
96              K03IZ-D  D3    LD  CP      SALINAS, CA      BLANK0000170831      87.9
97              K04SB-D  D4    LD  LIC      BAKERSFIELD, CA  BLANK0000106976      286.1
98              K04QC-D  D4+   LD  LIC      PALERMO, CA      BLANK0000152604      255.9
99              KQSL-LD  D4    LD  LIC      SAN RAFAEL, CA   BLANK0000001344      156.2
100             KBIS-LD  D4    LD  LIC      TURLOCK, CA      BLANK0000078016      50.8
101
102 Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
103 1258.3      48,156      1248.3      48,156      1114.7      45,716      1114.7      45,716      0.00      0.00
104
105 Undesired      Total IX      Unique IX, before      Unique IX, after
106 K04RS-D D4 LD LIC      10.9      145      0.0      0
107 K04SB-D D4 LD LIC      2.0      0      1.0      0
108 KBIS-LD D4 LD LIC      132.6      2,440      131.6      2,440      121.6      2,295
109
110 -----
111 Interference to BLANK0000001344 LIC scenario 1
112
113 Call      Chan  Svc Status  City, State      File Number      Distance
114 Desired:  KQSL-LD  D4    LD  LIC      SAN RAFAEL, CA   BLANK00000001344
115
116 Undesireds: K04RS-D  D4    LD  LIC      Salinas, CA      BLANK0000113066      176.9 km
117              KURK-LD  D3    LD  LIC      San Francisco, CA BLANK0000022172      0.0
118              DDK04EZ  D4    LD  APP      BIG BEND, ETC., CA BDFCDTV20110812ACV      347.7
119              K04QR-D  D4    LD  LIC      ESPARTO, CA      BLDVL20100714ABU      152.5
120              K04QC-D  D4+   LD  LIC      PALERMO, CA      BLANK0000152604      191.5
121              KBIS-LD  D4    LD  LIC      TURLOCK, CA      BLANK0000078016      140.7
122
123 Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
124 11739.1      4,977,217      11519.0      4,956,468      11194.4      4,865,581      11183.3      4,865,044      0.10      0.01
125
126 Undesired      Total IX      Unique IX, before      Unique IX, after
127 K04RS-D D4 LD LIC      12.2      537      11.2      537
128 DDK04EZ D4 LD APP      1.0      0      0.0      0
129 K04QR-D D4 LD LIC      175.9      56,859      147.7      55,943
130 K04QC-D D4+ LD LIC      2.0      0      0.0      0
131 KBIS-LD D4 LD LIC      176.8      34,944      148.6      34,028
132
133 -----
134 Interference to BLANK0000001344 LIC scenario 2
135
136 Call      Chan  Svc Status  City, State      File Number      Distance
137 Desired:  KQSL-LD  D4    LD  LIC      SAN RAFAEL, CA   BLANK00000001344
138
139 Undesireds: K04RS-D  D4    LD  LIC      Salinas, CA      BLANK0000113066      176.9 km
140              KURK-LD  D3    LD  LIC      San Francisco, CA BLANK0000022172      0.0
141              K04QR-D  D4    LD  LIC      ESPARTO, CA      BLDVL20100714ABU      152.5
142              K04QC-D  D4+   LD  LIC      PALERMO, CA      BLANK0000152604      191.5
143              KBIS-LD  D4    LD  LIC      TURLOCK, CA      BLANK0000078016      140.7
144
145 Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
146 11739.1      4,977,217      11519.0      4,956,468      11194.4      4,865,581      11183.3      4,865,044      0.10      0.01
147
148 Undesired      Total IX      Unique IX, before      Unique IX, after
149 K04RS-D D4 LD LIC      12.2      537      11.2      537
150 K04QR-D D4 LD LIC      175.9      56,859      147.7      55,943
151 K04QC-D D4+ LD LIC      2.0      0      0.0      0
152 KBIS-LD D4 LD LIC      176.8      34,944      148.6      34,028
153
154 -----
155 Interference to BLANK0000001344 LIC scenario 3
156
157 Call      Chan  Svc Status  City, State      File Number      Distance
158 Desired:  KQSL-LD  D4    LD  LIC      SAN RAFAEL, CA   BLANK00000001344
159
160 Undesireds: K04RS-D  D4    LD  LIC      Salinas, CA      BLANK0000113066      176.9 km
161              KURK-LD  D3    LD  LIC      San Francisco, CA BLANK0000022172      0.0
162              DDK04EZ  D4    LD  APP      BIG BEND, ETC., CA BDFCDTV20110812ACV      347.7
163              K04QR-D  D4    LD  LIC      ESPARTO, CA      BLDVL20100714ABU      152.5
164              KBIS-LD  D4    LD  LIC      TURLOCK, CA      BLANK0000078016      140.7
165
166 Service area      Terrain-limited      IX-free, before      IX-free, after      Percent New IX
167 11739.1      4,977,217      11519.0      4,956,468      11194.4      4,865,581      11183.3      4,865,044      0.10      0.01
168
169 Undesired      Total IX      Unique IX, before      Unique IX, after
170 K04RS-D D4 LD LIC      12.2      537      11.2      537
171 DDK04EZ D4 LD APP      1.0      0      0.0      0
172 K04QR-D D4 LD LIC      175.9      56,859      147.7      55,943

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173 KBIS-LD D4 LD LIC 176.8 34,944 148.6 34,028 148.6 34,028
174
175 -----
176 Interference to BLANK0000001344 LIC scenario 4
177
178 Call Chan Svc Status City, State File Number Distance
179 Desired: KQSL-LD D4 LD LIC SAN RAFAEL, CA BLANK0000001344
180
181 Undesireds: K04RS-D D4 LD LIC Salinas, CA BLANK0000113066 176.9 km
182 KURK-LD D3 LD LIC San Francisco, CA BLANK0000022172 0.0
183 K04QR-D D4 LD LIC ESPARTO, CA BLDVL20100714ABU 152.5
184 KBIS-LD D4 LD LIC TURLOCK, CA BLANK0000078016 140.7
185
186 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
187 11739.1 4,977,217 11519.0 4,956,468 11194.4 4,865,581 11183.3 4,865,044 0.10 0.01
188
189 Undesired Total IX Unique IX, before Unique IX, after
190 K04RS-D D4 LD LIC 12.2 537 11.2 537
191 K04QR-D D4 LD LIC 175.9 56,859 147.7 55,943
192 KBIS-LD D4 LD LIC 176.8 34,944 148.6 34,028
193
194 -----
195 Interference to BLANK0000001344 LIC scenario 5
196
197 Call Chan Svc Status City, State File Number Distance
198 Desired: KQSL-LD D4 LD LIC SAN RAFAEL, CA BLANK0000001344
199
200 Undesireds: K04RS-D D4 LD LIC Salinas, CA BLANK0000113066 176.9 km
201 KURK-LD D3 LD CP San Francisco, CA BLANK0000080433 22.6
202 DDK04EZ D4 LD APP BIG BEND, ETC., CA BDFCDTV20110812ACV 347.7
203 K04QR-D D4 LD LIC ESPARTO, CA BLDVL20100714ABU 152.5
204 K04QC-D D4+ LD LIC PALERMO, CA BLANK0000152604 191.5
205 KBIS-LD D4 LD LIC TURLOCK, CA BLANK0000078016 140.7
206
207 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
208 11739.1 4,977,217 11519.0 4,956,468 11114.3 4,803,666 11104.2 4,803,215 0.09 0.01
209
210 Undesired Total IX Unique IX, before Unique IX, after
211 K04RS-D D4 LD LIC 12.2 537 10.1 451
212 KURK-LD D3 LD CP 80.1 61,915 79.1 61,829
213 DDK04EZ D4 LD APP 1.0 0 0.0 0
214 K04QR-D D4 LD LIC 175.9 56,859 147.7 55,943
215 K04QC-D D4+ LD LIC 2.0 0 0.0 0
216 KBIS-LD D4 LD LIC 176.8 34,944 148.6 34,028
217
218 -----
219 Interference to BLANK0000001344 LIC scenario 6
220
221 Call Chan Svc Status City, State File Number Distance
222 Desired: KQSL-LD D4 LD LIC SAN RAFAEL, CA BLANK0000001344
223
224 Undesireds: K04RS-D D4 LD LIC Salinas, CA BLANK0000113066 176.9 km
225 KURK-LD D3 LD CP San Francisco, CA BLANK0000080433 22.6
226 K04QR-D D4 LD LIC ESPARTO, CA BLDVL20100714ABU 152.5
227 K04QC-D D4+ LD LIC PALERMO, CA BLANK0000152604 191.5
228 KBIS-LD D4 LD LIC TURLOCK, CA BLANK0000078016 140.7
229
230 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
231 11739.1 4,977,217 11519.0 4,956,468 11114.3 4,803,666 11104.2 4,803,215 0.09 0.01
232
233 Undesired Total IX Unique IX, before Unique IX, after
234 K04RS-D D4 LD LIC 12.2 537 10.1 451
235 KURK-LD D3 LD CP 80.1 61,915 79.1 61,829
236 K04QR-D D4 LD LIC 175.9 56,859 147.7 55,943
237 K04QC-D D4+ LD LIC 2.0 0 0.0 0
238 KBIS-LD D4 LD LIC 176.8 34,944 148.6 34,028
239
240 -----
241 Interference to BLANK0000001344 LIC scenario 7
242
243 Call Chan Svc Status City, State File Number Distance
244 Desired: KQSL-LD D4 LD LIC SAN RAFAEL, CA BLANK0000001344
245
246 Undesireds: K04RS-D D4 LD LIC Salinas, CA BLANK0000113066 176.9 km
247 KURK-LD D3 LD CP San Francisco, CA BLANK0000080433 22.6
248 DDK04EZ D4 LD APP BIG BEND, ETC., CA BDFCDTV20110812ACV 347.7
249 K04QR-D D4 LD LIC ESPARTO, CA BLDVL20100714ABU 152.5
250 KBIS-LD D4 LD LIC TURLOCK, CA BLANK0000078016 140.7
251
252 Service area Terrain-limited IX-free, before IX-free, after Percent New IX
253 11739.1 4,977,217 11519.0 4,956,468 11114.3 4,803,666 11104.2 4,803,215 0.09 0.01
254
255 Undesired Total IX Unique IX, before Unique IX, after
256 K04RS-D D4 LD LIC 12.2 537 10.1 451
257 KURK-LD D3 LD CP 80.1 61,915 79.1 61,829
258 DDK04EZ D4 LD APP 1.0 0 0.0 0

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259	K04QR-D	D4	LD	LIC	175.9	56,859	147.7	55,943	147.7	55,943
260	KBIS-LD	D4	LD	LIC	176.8	34,944	148.6	34,028	148.6	34,028
261										
262	-----									
263	Interference to BLANK0000001344 LIC scenario 8									
264										
265		Call	Chan	Svc	Status	City, State		File Number		Distance
266	Desired:	KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA		BLANK0000001344		
267										
268	Undesireds:	K04RS-D	D4	LD	LIC	Salinas, CA		BLANK0000113066		176.9 km
269		KURK-LD	D3	LD	CP	San Francisco, CA		BLANK0000080433		22.6
270		K04QR-D	D4	LD	LIC	ESPARTO, CA		BLDVLT20100714ABU		152.5
271		KBIS-LD	D4	LD	LIC	TURLOCK, CA		BLANK0000078016		140.7
272										
273		Service area			Terrain-limited		IX-free, before		IX-free, after	Percent New IX
274		11739.1	4,977,217		11519.0	4,956,468	11114.3	4,803,666	11104.2	4,803,215
275										0.09
276										0.01
277	Undesired				Total IX		Unique IX, before		Unique IX, after	
278	K04RS-D	D4	LD	LIC	12.2	537		10.1	451	
279	KURK-LD	D3	LD	CP	80.1	61,915	80.1	61,915	79.1	61,829
280	K04QR-D	D4	LD	LIC	175.9	56,859	147.7	55,943	147.7	55,943
281	KBIS-LD	D4	LD	LIC	176.8	34,944	148.6	34,028	148.6	34,028
282										
283	-----									
284	Interference to BLANK0000071757 CP scenario 1									
285										
286	Desired:	KQSL-LD	D4	LD	CP	SAN RAFAEL, CA		BLANK0000071757		
287										
288	Undesireds:	K04RS-D	D4	LD	LIC	Salinas, CA		BLANK0000113066		154.3 km
289		K03IZ-D	D3	LD	CP	SALINAS, CA		BLANK0000170831		154.4
290		KURK-LD	D3	LD	LIC	San Francisco, CA		BLANK0000022172		22.6
291		DDK04EZ	D4	LD	APP	BIG BEND, ETC., CA		BDFCDTV20110812ACV		365.3
292		K04QR-D	D4	LD	LIC	ESPARTO, CA		BLDVLT20100714ABU		154.4
293		K04QC-D	D4+	LD	LIC	PALERMO, CA		BLANK0000152604		204.3
294		KBIS-LD	D4	LD	LIC	TURLOCK, CA		BLANK0000078016		126.2
295										
296		Service area			Terrain-limited		IX-free, before		IX-free, after	Percent New IX
297		18598.5	6,474,828		17681.5	6,317,191	17295.0	6,205,503	16696.5	6,195,187
298										3.46
299										0.17
300	Undesired				Total IX		Unique IX, before		Unique IX, after	
301	K04RS-D	D4	LD	LIC	601.5	10,332		598.5	10,316	
302	KURK-LD	D3	LD	LIC	4.0	2	3.0	2	3.0	2
303	K04QR-D	D4	LD	LIC	211.7	54,973	104.7	18,409	104.7	18,409
304	KBIS-LD	D4	LD	LIC	278.8	93,277	171.8	56,713	169.8	56,697
305										
306	-----									
307	Interference to BLANK0000071757 CP scenario 2									
308										
309	Desired:	KQSL-LD	D4	LD	CP	SAN RAFAEL, CA		BLANK0000071757		
310										
311	Undesireds:	K04RS-D	D4	LD	LIC	Salinas, CA		BLANK0000113066		154.3 km
312		K03IZ-D	D3	LD	CP	SALINAS, CA		BLANK0000170831		154.4
313		DDK04EZ	D4	LD	APP	BIG BEND, ETC., CA		BDFCDTV20110812ACV		365.3
314		K04QR-D	D4	LD	LIC	ESPARTO, CA		BLDVLT20100714ABU		154.4
315		K04QC-D	D4+	LD	LIC	PALERMO, CA		BLANK0000152604		204.3
316		KBIS-LD	D4	LD	LIC	TURLOCK, CA		BLANK0000078016		126.2
317										
318		Service area			Terrain-limited		IX-free, before		IX-free, after	Percent New IX
319		18598.5	6,474,828		17681.5	6,317,191	17298.0	6,205,505	16699.5	6,195,189
320										3.46
321										0.17
322	Undesired				Total IX		Unique IX, before		Unique IX, after	
323	K04RS-D	D4	LD	LIC	601.5	10,332		598.5	10,316	
324	K04QR-D	D4	LD	LIC	211.7	54,973	104.7	18,409	104.7	18,409
325	KBIS-LD	D4	LD	LIC	278.8	93,277	171.8	56,713	169.8	56,697
326										
327	-----									
328	Interference to proposal scenario 1									
329	6.27% interference received									
330										
331	Desired:	K04RS-D	D4	LD	LIC	Salinas, CA		BLANK0000113066		
332										
333	Undesireds:	K03IZ-D	D3	LD	CP	SALINAS, CA		BLANK0000170831		0.1 km
334		KURK-LD	D3	LD	LIC	San Francisco, CA		BLANK0000022172		176.9
335		K04QC-D	D4+	LD	LIC	PALERMO, CA		BLANK0000152604		325.4
336		KQSL-LD	D4	LD	LIC	SAN RAFAEL, CA		BLANK0000001344		176.9
337		KBIS-LD	D4	LD	LIC	TURLOCK, CA		BLANK0000078016		134.8
338										
339		Service area			Terrain-limited		IX-free		Percent IX	
340		5411.7	763,534		5171.6	726,456	4886.5	680,920	5.51	6.27
341										
342	Undesired				Total IX		Unique IX		Prcnt Unique IX	
343	K03IZ-D	D3	LD	CP	68.3	1,401	67.3	1,401	1.30	0.19
344	KQSL-LD	D4	LD	LIC	215.8	44,135	212.8	44,120	4.11	6.07

345 KBIS-LD D4 LD LIC 4.0 15 2.0 0 0.04 0.00

346  
347

348 -----  
349 Interference to proposal scenario 2  
350 6.08% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
351							
352	Desired:	K04RS-D	D4	LD LIC	Salinas, CA	BLANK0000113066	
353							
354	Undesireds:	K03IZ-D	D3	LD LIC	SALINAS, CA	BLANK0000164316	0.1 km
355		KURK-LD	D3	LD LIC	San Francisco, CA	BLANK0000022172	176.9
356		K04QC-D	D4+	LD LIC	PALERMO, CA	BLANK0000152604	325.4
357		KQSL-LD	D4	LD LIC	SAN RAFAEL, CA	BLANK0000001344	176.9
358		KBIS-LD	D4	LD LIC	TURLOCK, CA	BLANK0000078016	134.8
359							

	Service area	Terrain-limited	IX-free	Percent IX
360				
361	5411.7	763,534	5171.6	726,456
362			4952.8	682,321
363			4.23	6.08

	Undesired	Total IX	Unique IX	Prcnt Unique IX
364	K03IZ-D D3 LD LIC	1.0	0	0.02
365	KQSL-LD D4 LD LIC	215.8	44,135	4.13
366	KBIS-LD D4 LD LIC	4.0	15	0.04
367				

368 -----  
369 Interference to proposal scenario 3  
370 4.75% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
372							
373	Desired:	K04RS-D	D4	LD LIC	Salinas, CA	BLANK0000113066	
374							
375	Undesireds:	K03IZ-D	D3	LD CP	SALINAS, CA	BLANK0000170831	0.1 km
376		KURK-LD	D3	LD LIC	San Francisco, CA	BLANK0000022172	176.9
377		K04QC-D	D4+	LD LIC	PALERMO, CA	BLANK0000152604	325.4
378		KQSL-LD	D4	LD CP	SAN RAFAEL, CA	BLANK0000071757	154.3
379		KBIS-LD	D4	LD LIC	TURLOCK, CA	BLANK0000078016	134.8
380							

	Service area	Terrain-limited	IX-free	Percent IX
381				
382	5411.7	763,534	5171.6	726,456
383			4904.4	691,982
384			5.17	4.75

	Undesired	Total IX	Unique IX	Prcnt Unique IX
385	K03IZ-D D3 LD CP	68.3	1,401	1.30
386	KQSL-LD D4 LD CP	198.8	33,073	3.77
387	KBIS-LD D4 LD LIC	4.0	15	0.02
388				

389 -----  
390 Interference to proposal scenario 4  
391 4.55% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
393							
394	Desired:	K04RS-D	D4	LD LIC	Salinas, CA	BLANK0000113066	
395							
396	Undesireds:	K03IZ-D	D3	LD LIC	SALINAS, CA	BLANK0000164316	0.1 km
397		KURK-LD	D3	LD LIC	San Francisco, CA	BLANK0000022172	176.9
398		K04QC-D	D4+	LD LIC	PALERMO, CA	BLANK0000152604	325.4
399		KQSL-LD	D4	LD CP	SAN RAFAEL, CA	BLANK0000071757	154.3
400		KBIS-LD	D4	LD LIC	TURLOCK, CA	BLANK0000078016	134.8
401							

	Service area	Terrain-limited	IX-free	Percent IX
402				
403	5411.7	763,534	5171.6	726,456
404			4970.7	693,383
405			3.88	4.55

	Undesired	Total IX	Unique IX	Prcnt Unique IX
406	K03IZ-D D3 LD LIC	1.0	0	0.02
407	KQSL-LD D4 LD CP	198.8	33,073	3.79
408	KBIS-LD D4 LD LIC	4.0	15	0.02
409				