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1  tvstudy v2.2.5 (4uoc83)
2  Database: 127.0.0.1, Study: UkiahDRT (on 16), Model: Longley-Rice
3  Start: 2018.05.01 10:39:51
4
5  Study created: 2018.05.01 10:38:12
6
7  Study build station data: LMS TV 2018-04-26
8
9      Proposal: UKIAHDRT D16 LD APP Ukiah, CA
10     File number: UkiahDRT
11     Facility ID: 0
12     Station data: User record
13         Record ID: 10
14         Country: U.S.
15         Zone: II
16
17     Build options:
18     Protect pre-transition records not on baseline channel
19
20     Stations potentially affected by proposal:
21
22     IX    Call      Chan      Svc Status  City, State      File Number
23     Distance
24     No    KBIT-LD   D15      LD  APP     CHICO, CA        BLANK0000029360
25     108.6 km
26     No    K15HV-D   D15      LD  LIC     CHICO, CA        BLDLTL20080805AAT
27     148.6
28     No    K15FJ     N15+     TX  LIC     LAKEPORT, CA    BLTTL20011115ACR
29     30.9
30     No    K15CX      D15      LD  CP       OROVILLE, CA   BDFCDTT20110613ACB
31     133.8
32     No    K15CX      N15z     TX  LIC     OROVILLE, CA   BLTTL20020613AAH
33     133.8
34     No    K46HI-D     D15z     LD  APP     REDDING, CA     BLANK0000035822
35     175.8
36     Yes   K16JJ-D     D16      LD  CP       EUREKA, CA      BLANK0000010786
37     192.8
38     No    KHSC-LP     D16      LD  LIC     FRESNO, CA      BLDLTL20140811ACM
39     392.3
40     No    K16KV-D     D16      LD  CP       ORLAND, CA      BNPDTL20100514AAD
41     96.6
42     No    K49CT-D     D16      LD  APP     PARADISE, CA    BLANK0000030061
43     154.1
44     No    K16IW-D     D16      LD  LIC     REDDING, CA     BLANK0000001146
45     175.8
46     No    K16IW-D     D16      LD  CP       REDDING, CA     BLANK0000010674
47     175.8
48     No    KQJB-LD     D16      LD  CP       CARSON CITY, NV BNPDTL20090825AOU
49     274.2
50     No    K16GM-D     D16      LD  LIC     YERINGTON, NV  BLDLTL20100429ADE
51     331.1
52     No    KDOV-LP     D16-     LD  APP     MEDFORD, OR     BLANK0000033866
53     353.1
54     No    KXVU-LP     D17      LD  CP       CHICO, CA        BDFCDLTL20110404AFB
55     149.1
56     No    KXVU-LP     N17-     TX  LIC     CHICO, CA        BLTTL20060303AAJ
57     149.1
58     No    KJRW        D17      DT  LIC     EUREKA, CA      BLCDT20030806ACS
59     193.2
60     Yes   KCVU        D17      DT  CP       PARADISE, CA    BLANK0000034879
61     149.1
62     Yes   K17CG-D     D17      LD  LIC     UKIAH, CA        BLDLTL20120509AFR
63     2.1

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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: D16
51     Mask: Stringent
52     Latitude: 39  7 51.00 N (NAD83)
53     Longitude: 123  4 37.00 W
54     Height AMSL: 1105.0 m
55     HAAT: 563.0 m
56     Peak ERP: 9.46 kW
57     Antenna: (replication) 0.0 deg
58     Elev Pattn: Generic
59
60 48.9 dBu contour:
61 Azimuth      ERP      HAAT      Distance
62   0.0 deg    0.417 kW   520.0 m   46.2 km
63   45.0       0.046     420.2     29.9
64   90.0       0.012     552.4     25.6
65  135.0       0.024     554.7     29.4
66  180.0       0.046     418.0     29.9
67  225.0       0.024     718.8     32.0
68  270.0        6.05     758.4     68.1
69  315.0        7.16     694.2     68.0
70
71 Database HAAT does not agree with computed HAAT
72 Database HAAT: 563 m   Computed HAAT: 580 m
73
74 Distance to Canadian border: 1011.5 km
75
76 Distance to Mexican border: 885.1 km
77
78 Conditions at FCC monitoring station: Livermore CA
79 Bearing: 143.2 degrees   Distance: 194.1 km
80
81 Proposal is not within the West Virginia quiet zone area
82
83 Conditions at Table Mountain receiving zone:
84 Bearing: 80.1 degrees   Distance: 1527.2 km
85
86 No land mobile station failures found
87
88 Proposal is not within the Offshore Radio Service protected area
89
90
91 Study cell size: 1.00 km
92 Profile point spacing: 1.00 km
93
94 Maximum new IX to full-service and Class A: 0.50%
95 Maximum new IX to LPTV: 2.00%
96
97
98 -----
99 Interference to BLANK0000010786 CP scenario 1
100
101          Call      Chan  Svc Status  City, State      File
102          Number      Distance
103 Desired:   K16JJ-D   D16   LD  CP      EUREKA, CA
104 BLANK0000010786
103
104 Undesireds: UKIAHDRT D16   LD  APP      Ukiah, CA
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105      UkiahDRT              192.8 km
      K16IW-D   D16   LD   LIC       REDDING, CA
      BLANK0000001146              121.0
106      KJRW       D17   DT   LIC       EUREKA, CA
      BLCDT20030806ACS              1.7
107      K17BA-D   D17   LD   LIC       YREKA, CA
      BLDTT20100113ADI              148.0
108
109      Service area      Terrain-limited      IX-free, before      IX-free,
      after      Percent New IX
110      11251.5      128,301      8940.6      109,392      8805.8      107,085      8801.8
      107,055      0.05      0.03
111
112      Undesired              Total IX      Unique IX, before      Unique IX, after
113      UKIAHDRT D16 LD APP              4.0              30              4.0              30
114      KJRW D17 DT LIC              134.8              2,307      134.8      2,307      134.8      2,307
115
116      -----
      -----
117      Interference to BLANK00000034879 CP scenario 1
118
119      Call      Chan  Svc Status  City, State      File
      Number      Distance
120      Desired:  KCVU      D17   DT   CP      PARADISE, CA
      BLANK00000034879
121
122      Undesireds: UKIAHDRT D16   LD   APP      Ukiah, CA
      UkiahDRT              149.1 km
123      KJRW       D17   DT   LIC      EUREKA, CA
      BLCDT20030806ACS              209.5
124      KRNS-CD   D18   DC   CP      RENO, NV
      BLANK00000034464              172.3
125
126      Service area      Terrain-limited      IX-free, before      IX-free,
      after      Percent New IX
127      34726.7      735,289      30608.7      717,021      30597.7      717,021      30592.8
      717,020      0.02      0.00
128
129      Undesired              Total IX      Unique IX, before      Unique IX, after
130      UKIAHDRT D16 LD APP              5.9              1              4.9              1
131      KJRW D17 DT LIC              11.0              0              11.0              0
132
133      -----
      -----
134      Interference to BLDLTL20120509AFR LIC scenario 1
135
136      Call      Chan  Svc Status  City, State      File
      Number      Distance
137      Desired:  K17CG-D   D17   LD   LIC      UKIAH, CA
      BLDLTL20120509AFR
138
139      Undesireds: UKIAHDRT D16   LD   APP      Ukiah, CA
      UkiahDRT              2.1 km
140      KXVU-LP   D17   LD   CP      CHICO, CA
      BDFCDLTL20110404AFB              151.2
141      KJRW       D17   DT   LIC      EUREKA, CA
      BLCDT20030806ACS              194.0
142      KCVU       D17   DT   CP      PARADISE, CA
      BLANK00000034879              151.2
143      K17BA-D   D17   LD   LIC      YREKA, CA
      BLDTT20100113ADI              280.0
144
145      Service area      Terrain-limited      IX-free, before      IX-free,
      after      Percent New IX

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146	3954.7	70,189	2603.8	50,930	2595.8	50,930	2556.1
	50,819	1.53	0.22				
147							
148	Undesired			Total IX	Unique IX, before		Unique IX, after
149	UKIAHDRT D16 LD APP		42.7	111			39.7 111
150	KJRW D17 DT LIC		2.0	0	0.0	0	0.0 0
151	KCVU D17 DT CP		8.0	0	6.0	0	3.0 0
152							
153	-----						
154	Interference to proposal scenario 1						
155							
156		Call	Chan	Svc	Status	City, State	File
		Number			Distance		
157	Desired:	UKIAHDRT	D16	LD	APP	Ukiah, CA	
	UkiahDRT						
158							
159	Undesireds:	K16JJ-D	D16	LD	CP	EUREKA, CA	
	BLANK0000010786				192.8 km		
160		K16IW-D	D16	LD	LIC	REDDING, CA	
		BLANK0000001146			175.8		
161		K17CG-D	D17	LD	LIC	UKIAH, CA	
		BLDTL20120509AFR			2.1		
162							
163		Service area			Terrain-limited		IX-free
164		6382.4	103,466	4374.5	74,972	4350.7	74,680
165							0.54 0.39
166	Undesired				Total IX	Unique IX	Prcnt Unique IX
167	K16JJ-D D16 LD CP		2.0		0	2.0	0 0.05 0.00
168	K17CG-D D17 LD LIC		21.8		292	21.8	292 0.50 0.39
169							