

1 tvstudy v2.2.5 (4uoc83)
2 Database: 127.0.0.1, Study: BLDLTL20110601AKT #149, Model: Longley-Rice
3 Start: 2021.04.12 16:24:54
4

5 Study created: 2021.04.12 16:24:54
6

7 Study build station data: LMS TV 2021-04-12
8

9 Proposal: KEVO-LD D16 LD LIC SUN VALLEY, NV

10 File number: BLDLTL20110601AKT

11 Facility ID: 182984

12 Station data: User record

13 Record ID: 123

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	K15HV-D	D15	LD	LIC	CHICO, CA	BLDRTL20080805AAT	158.5 km
23	No	K15CX-D	D15	LD	LIC	OROVILLE, CA	BLANK0000069527	144.3
24	No	KRCR-TV	D15	DT	APP	REDDING, CA	BLANK0000127639	257.1
25	No	KYUB-LD	D15	LD	CP	Yuba City, CA	BLANK0000054788	170.5
26	No	K15LG-D	D15	LD	LIC	HAWTHORNE, NV	BLANK0000063682	163.1
27	No	KNPB	D15	LD	APP	RENO, NV	BDRTEDT20090825BIO	33.5
28	Yes	KNPB	D15	DT	LIC	RENO, NV	BLEDTL20031023AAU	10.5
29	No	K16JJ-D	D16	LD	CP	EUREKA, CA	BLANK0000010786	364.6
30	No	KHSC-LD	D16	LD	LIC	FRESNO, CA	BLDRTL20140811ACM	286.4
31	No	K16KV-D	D16	LD	CP	ORLAND, CA	BNPDTL20100514AAD	194.2
32	No	K16LP-D	D16	LD	LIC	PARADISE, CA	BLANK0000058730	135.3
33	No	K16IW-D	D16	LD	LIC	REDDING, CA	BLANK0000001146	249.6
34	No	K16IW-D	D16	LD	CP	REDDING, CA	BLANK0000010674	249.6
35	No	K40JV-D	D16	LD	CP	STATELINE, ETC., CA	BLANK0000054391	80.0
36	No	K16FD-D	D16	LD	LIC	BATTLE MOUNTAIN, NV	BLDRTL20110902ACE	295.2
37	No	KQJB-LD	D16	LD	CP	CARSON CITY, NV	BNPDTL20090825AOU	57.8
38	No	K16IZ-D	D16	LD	LIC	EUREKA, NV	BLDRTL20111230AAM	338.2
39	No	K16KT-D	D16	LD	CP	IMLAY, NV	BNPDTL20100512AHG	187.4
40	No	K16JZ-D	D16	LD	LIC	MCDERMITT, NV	BLANK0000085802	288.7
41	No	K16FU-D	D16	LD	LIC	MINA / LUNING, NV	BLDRTL20110311ABU	210.8
42	No	K16GM-D	D16	LD	LIC	YERINGTON, NV	BLDRTL20100429ADE	91.1
43	No	KTVL	D16	DT	APP	MEDFORD, OR	BLANK0000127637	361.1
44	No	KXVU-LD	N17-	TX	LIC	CHICO, CA	BLTTL20060303AAJ	158.4
45	No	K17HE-D	D17	LD	LIC	SUSANVILLE, ETC, CA	BLDRTL20101207AFM	99.1
46	No	K17CA-D	D17	LD	LIC	CARSON CITY, NV	BLDRTL20090108AAO	44.3
47	No	K17FR-D	D17	LD	LIC	WALKER LAKE, NV	BLDRTL20120229ABR	163.6

48
49 No non-directional AM stations found within 0.8 km

50
51 No directional AM stations found within 3.2 km
52

53 Record parameters as studied:
54

55 Channel: D16

56 Mask: Stringent

57 Latitude: 39 37 24.10 N (NAD83)

58 Longitude: 119 54 38.10 W

59 Height AMSL: 1582.2 m (Adjusted based on actual ground elevation calculation)

60 HAAT: -98.0 m

61 Peak ERP: 0.050 kW

62 Antenna: KAT-K72314 (ID 19753) 55.0 deg

63 Elev Pattnr: Generic
64

65 48.9 dBu contour:

66	Azimuth	ERP	HAAT	Distance
67	0.0 deg	0.006 kW	-52.3 m	5.4 km
68	45.0	0.046	17.7	8.8
69	90.0	0.021	32.4	7.4
70	135.0	0.000	60.2	3.4
71	180.0	0.000	-147.9	2.4
72	225.0	0.000	-404.8	1.8
73	270.0	0.000	-266.1	1.6
74	315.0	0.000	-23.8	2.3

75
76 Distance to Canadian border: 998.7 km
77

78 Distance to Mexican border: 812.0 km
79

80 Conditions at FCC monitoring station: Livermore CA

81 Bearing: 217.8 degrees Distance: 264.8 km
82

83 Proposal is not within the West Virginia quiet zone area
84

85 Conditions at Table Mountain receiving zone:

86 Bearing: 82.6 degrees Distance: 1250.0 km

87
88 No land mobile station failures found
89
90 Proposal is not within the Offshore Radio Service protected area
91
92
93 Study cell size: 1.00 km
94 Profile point spacing: 1.00 km
95
96 Maximum new IX to full-service and Class A: 0.50%
97 Maximum new IX to LPTV: 2.00%
98
99

100 -----
101 Interference to BLEDT20031023AAU LIC scenario 1
102

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNPB	D15	DT	LIC	RENO, NV	BLEDT20031023AAU	
Undesireds:	KEVO-LD	D16	LD	LIC	SUN VALLEY, NV	BLDTL20110601AKT	10.5 km
	KBSV	D15	DT	APP	CERES, CA	BLANK0000072220	243.5
	KRCR-TV	D15	DT	APP	REDDING, CA	BLANK0000127639	267.6
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	12604.8	604,932	6137.9	457,255	6109.0	457,252	0.08 0.10
Undesired			Total IX		Unique IX, before	Unique IX, after	
KEVO-LD D16 LD LIC		6.1	458		5.0	458	
KRCR-TV D15 DT APP		28.9	3		28.9	3	

117 -----
118 Interference to BLEDT20031023AAU LIC scenario 2
119

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNPB	D15	DT	LIC	RENO, NV	BLEDT20031023AAU	
Undesireds:	KEVO-LD	D16	LD	LIC	SUN VALLEY, NV	BLDTL20110601AKT	10.5 km
	KBSV	D15	DT	LIC	CERES, CA	BLEDT20090213AAZ	268.2
	KRCR-TV	D15	DT	APP	REDDING, CA	BLANK0000127639	267.6
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	12604.8	604,932	6137.9	457,255	6107.0	457,252	0.08 0.10
Undesired			Total IX		Unique IX, before	Unique IX, after	
KEVO-LD D16 LD LIC		6.1	458		5.0	458	
KBSV D15 DT LIC		3.0	0		2.0	0	
KRCR-TV D15 DT APP		28.9	3		27.9	3	

135 -----
136 Interference to proposal scenario 1
137

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEVO-LD	D16	LD	LIC	SUN VALLEY, NV	BLDTL20110601AKT	
Undesireds:	KNPB	D15	DT	LIC	RENO, NV	BLEDT20031023AAU	10.5 km
	K16IW-D	D16	LD	LIC	REDDING, CA	BLANK0000001146	249.6
	Service area		Terrain-limited		IX-free	Percent IX	
	100.5	30,856	100.5	30,856	98.5	30,856	1.96 0.00
Undesired			Total IX		Unique IX	Prcnt Unique IX	
KNPB D15 DT LIC		2.0	0		2.0	0	1.96 0.00

149