Study created: 2018.05.28 14:33:52

Study build station data: LMS TV 2018-05-25

Proposal: K38LL-D D24 LD LIC WEED, CA
File number: BLDTL20140221ACQ
Facility ID: 182431
Station data: User record
Record ID: 65
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KXVU-LP	N17-	TX	LIC	CHICO, CA	BLTTL20060303AAJ	173.7 km
No	K44JF-D	D23	LD	APP	CRESCENT CITY, CA	BLANK0000035560	160.0
No	KRDT-CD	D23	DC	CP	REDDING, CA	BLANK0000036140	94.9
No	KRDT-CD	D23	DC	LIC	REDDING, CA	BLDTA20110620AEA	87.5
No	K13LO	D23	LD	CP	YREKA, ETC., CA	BDISDTT20110812ACR	43.0
No	K23KS-D	D23	LD	CP	GRANTS PASS, OR	BNPDTL20090825BGN	152.2
No	K23EX-D	D23	DC	LIC	MEDFORD, OR	BLDTA20131125BZO	113.0
No	K24KX-D	D24	LD	LIC	CEDARVILLE, CA	BLDTT20120730AKG	193.1
No	KNVN	D24	DT	LIC	CHICO, CA	BLCDT20090105AFH	133.3
No	K44KG-D	D24	LD	APP	REDDING, CA	BLANK0000034990	87.8
No	KMAX-TV	D24	DT	CP	SACRAMENTO, CA	BLANK0000029627	363.3
No	KRJR-LP	D24	LD	CP	SACRAMENTO, CA	BDISDTL20110126ADX	360.8
No	K50MR-D	D24	LD	APP	SOUTH EUREKA, LOLETA, CA	BLANK0000054401	171.1
No	K24FF-D	D24	LD	LIC	LOVELOCK, NV	BLDTT20091030ADJ	341.8
No	K24KP-D	D24	LD	CP	SILVER SPRINGS, NV	BNPDTL20090825BOB	339.9
No	K38FW	D24+	LD	APP	STATELINE, NV	BLANK0000053623	345.3
No	K24IB-D	D24	LD	LIC	VERDI/MOGUL, NV	BLDTT20081006AFB	292.9
No	K44JP-D	D24	LD	APP	COTTAGE GROVE, OR	BLANK0000029346	265.7

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No   K40IT-D   D24        LD  APP     FLORENCE, OR
BLANK0000031360         312.0
No   K24FH-D   D24        LD  LIC     GLIDE, ETC., OR
BLDTT20091125AAS        222.1
No   K24KG-D   D24        LD  LIC     MADRAS, OR
BLDTT20120430ACW        363.8
No   K24LN-D   D24        LD  CP      MEDFORD, OR
BDCCDTT20130322AIK      131.2
No   KATU      D24        DT  CP      PORTLAND, OR
BLANK0000033626         454.4
No   K38LB-D   D24        LD  APP     POWERS, OR
BLANK0000034553         215.1
No   K24JE-D   D24        LD  LIC     SUNRIVER, OR
BLANK0000004689         280.7
No   KPWC-LD   D24        LD  LIC     TILLAMOOK, OR
BLANK0000007284         402.0
No   K25NO-D   D25        LD  LIC     GASQUET, CA
BLDTL20120606ABM        130.6
No   KRHT-LD   D25        LD  APP     REDDING, CA
BLANK0000030608          87.4
No   K25JW-D   D25        LD  LIC     HUGO, ETC., OR
BLDTT20091118ACD        139.1
No   K25LW-D   D25        LD  CP      MEDFORD, OR
BNPDTL20090825BFN       124.9
No   K25IM-D   D25        LD  LIC     MEDFORD, OR
BLDTL20110125ACR         70.3
No   KEUV-LP   N31z       TX  LIC     EUREKA, CA
BLTTL20050729AMX        153.9
No   K31GP-D   N31-       TX  LIC     BROOKINGS, ETC., OR
BLTT20051214ACA         170.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D24
       Mask: Full Service
   Latitude:  41 26  6.80 N (NAD83)
  Longitude: 122 23 51.00 W
Height AMSL: 1181.0 m
       HAAT: 0.0 m
   Peak ERP: 1.00 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
  Elec Tilt: 1.75

49.8 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   1.00 kW   305.5 m   42.5 km
 45.0       1.00       33.6     19.0
 90.0       1.00     -763.5     18.1
135.0       1.00     -205.0     18.1
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180.0	1.00	-103.9	18.1
225.0	1.00	-538.0	18.1
270.0	1.00	-175.8	18.1
315.0	1.00	310.0	42.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -142 m

Distance to Canadian border: 760.0 km

Distance to Mexican border: 1075.8 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 172.2 degrees Distance: 416.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 90.0 degrees Distance: 1447.2 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

No IX check failures found.