Study created: 2018.05.28 11:24:04

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

Proposal: K49DM-D D29 LD LIC COOS BAY, OR
File number: BLDTL20090226AAO
Facility ID: 71077
Station data: User record
Record ID: 53
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	KODT-LP	N14-	TX	LIC	SALT CREEK, OR	BLTTL20050309ACO	194.2 km
No	NEW	D28	LD	APP	: EUGENE, OR	BNPDTL20090825BHT	125.1
No	NEW	D28	LD	APP	EUGENE, OR	BNPDTL20090825BFA	116.2
No	K51JB-D	D28	LD	APP	FLORENCE, OR	BLANK0000031429	68.4
No	K28GG-D	D28	LD	LIC	MEDFORD, OR	BLDTL20130710ACA	169.0
No	K42IS-D	D28	LD	APP	POWERS, OR	BLANK0000034555	50.5
No	K03BZ	D28	LD	CP	ROGUE RIVER, OR	BLANK0000029596	131.1
No	K28KI-D	D28	LD	LIC	ROSEBURG, OR	BLDTL20130710ACC	75.6
No	KECA-LD	D29	LD	LIC	EUREKA, CA	BLDTL20130211ACK	292.8
No	K29JD-D	D29	LD	LIC	REDDING, CA	BLDTL20140221ACS	341.4
No	K29KU-D	D29	LD	CP	BEND, OR	BLANK0000022168	232.6
Yes	K29KR-D	D29	LD	LIC	CAMAS VALLEY, OR	BLDTT20121025ABP	54.4
No	K51BV-D	D29	LD	APP	CAVE JUNCTION, OR	BLANK0000053724	130.7
Yes	KEPB-TV	D29	DT	LIC	EUGENE, OR	BLEDT20050127AHY	115.8
No	K29JN-D	D29	LD	LIC	GOLD BEACH, OR	BLDTT20110513AAO	102.6
No	KDKF	D29	DT	LIC	KLAMATH FALLS, OR	BLCDT20080215APO	254.8
Yes	K29AZ-D	D29	LD	LIC	NEWPORT, OR	BLDTT20111208ABT	156.6
No	K47LD-D	D29	LD	APP	PHOENIX, TALENT, OR	BLANK0000030037	169.1

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No   K51FK-D   D29        LD  APP     ROCKAWAY BEACH, OR
BLANK0000053711         266.7
No   K29IA-D   D29        LD  LIC     CENTRALIA, ETC., WA
BLDTT20090618ABC        367.8
No   K29IB-D   D29        LD  LIC     GRAYS RIVER, ETC., WA
BLDTT20100511ACN        349.6
Yes  K30BN-D   D30        LD  LIC     COOS BAY, OR
BLDTL20101122ADU         10.0
No   K47AV-D   D30        LD  APP     COTTAGE GROVE, OR
BLANK0000029354         107.5
No   K30MO-D   D30        LD  CP      EUGENE, OR
BNPDTL20100728ADJ       122.5
No   KBLN-TV   D30        DT  LIC     GRANTS PASS, OR
BLCDT20090224AAX        133.7
No   K30LH-D   D30        LD  CP      ROSEBURG, OR
BNPDTL20090825BHI        71.9
No   KPDX      D30        DT  LIC     VANCOUVER, WA
BLCDT20090612ADJ        268.5
No   K33CP-D   N33-       TX  LIC     GOLD BEACH, OR
BLTT19900329JJ          103.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D29
       Mask: Full Service
   Latitude:  43 21 14.40 N (NAD83)
  Longitude: 124 14 36.40 W
Height AMSL: 206.7 m
       HAAT: 0.0 m
   Peak ERP: 10.0 kW
    Antenna: SCA-SL-8 (ID 23503) 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.75

50.2 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   10.0 kW   194.2 m   48.3 km
 45.0        8.56      140.9     44.1
 90.0        4.62      142.2     41.1
135.0        4.49      119.4     39.4
180.0        5.18      137.5     41.4
225.0        4.16      133.0     40.0
270.0        4.76      199.6     44.8
315.0        8.28      203.1     47.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 159 m

Distance to Canadian border: 544.1 km
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Distance to Mexican border: 1334.6 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 11.2 degrees   Distance: 636.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 96.3 degrees   Distance: 1610.5 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%

---- Below is IX received by proposal BLDTL20090226AAO ----

**MX with BLANK0000034555 APP scenario 1, 2.44% interference received