KEVE – Proposed Allocation Interference Study

Study created: 2018.05.10 10:34:54

Study build station data: LMS TV 2018-05-08

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    Proposal: KEVE-LD D23 LD LIC VANCOUVER, WA
 File number: BLDTL20101028ABP
 Facility ID: 67878
Station data: User record
   Record ID: 44
     Country: U.S.
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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	KMCB	D22	DT	APP	COOS BAY, OR	BLANK0000035789	260.7 km
Yes	KPXG-TV	D22	DT	LIC	SALEM, OR	BLCDT20110715ACN	0.3
No	K22KC-D	D22	LD	LIC	THE DALLES, OR	BLDTT20111202AFS	128.3
No	K22KC-D	D22	LD	CP	THE DALLES, OR	BDISDTT20060330AGF	128.3
Yes	KHPN-LD	D22	LD	CP	WARRENTON, OR	BLANK0000011217	123.3
No	K51JG-D	D22	LD	APP	YAKIMA, WA	BLANK0000028988	204.9
No	K44JF-D	D23	LD	APP	CRESCENT CITY, CA	BLANK0000035560	411.3
Yes	K23GK-D	D23	LD	LIC	ASTORIA, OR	BLDTT20100723AFZ	123.3
Yes	K23GK-D	D23	LD	CP	ASTORIA, OR	BPDTT20120202ABH	123.3
No	K23ME-D	D23	LD	LIC	CAMAS VALLEY, OR	BLDTT20120510ABB	291.7
No	K23KD-D	D23	LD	LIC	COOS BAY, ETC., OR	BLDTT20110524AGT	260.7
Yes	KEVU-CD	D23	DC	CP	EUGENE, OR	BLANK0000035736	171.4
Yes	KEVU-CD	D23	DC	LIC	EUGENE, OR	BLDTA20101029ACH	171.4
Yes	KEZI	D23	LD	LIC	EUGENE, OR	BLCDT20120620AAA	220.2
No	K23KS-D	D23	LD	CP	GRANTS PASS, OR	BNPDTL20090825BGN	329.0
Yes	K38KV-D	D23	LD	APP	HOOD RIVER, OR	BLANK0000053668	93.8
No	K43LQ-D	D23	LD	APP	LONDON SPRINGS, OR	BLANK0000052799	211.2
No	K23EX-D	D23	DC	LIC	MEDFORD, OR	BLDTA20131125BZO	352.2
No	K23FH-D	D23	LD	LIC	MILTON-FREEWATER, OR	BLDTT20110902ABY	349.9
No	K23CU-D	D23	LD	LIC	PRINEVILLE, OR	BLDTL20091014AAG	185.2
Yes	K47CD-D	D23	LD	APP	ROCKAWAY BEACH, OR	BLANK0000053715	96.2
Yes	K51EH-D	D23	LD	APP	THE DALLES, OR	BLANK0000053828	128.3
No	K23MU-D	D23	LD	LIC	BRIDGEPORT, WA	BLDTT20130910ACO	363.6
No	K50KK-D	D23	LD	APP	ELLENSBURG, WA	BLANK0000031967	233.3
No	K23JU-D	D23	LD	LIC	PROSSER, WA	BLDTL20100504ALB	243.0
No	K23KI-D	D23	LD	LIC	Seattle, WA	BLANK0000008201	211.0
No	K23KI-D	D23	LD	CP	Seattle, WA	BLANK0000024400	216.9
Yes	KIRO-TV	D23	DT	CP	SEATTLE, WA	BLANK0000034847	236.7
No	NEW	D23	LD	APP	YAKIMA, WA	BNPDTL20090825ANG	205.1
No	K24KG-D	D24	LD	LIC	MADRAS, OR	BLDTT20120430ACW	163.0
Yes	KATU	D24	DT	CP	PORTLAND, OR	BLANK0000033626	0.9
Yes	KPWC-LD	D24	LD	LIC	TILLAMOOK, OR	BLANK0000007284	79.0
No	KUNS-TV	D24	DT	CP	BELLEVUE, WA	BLANK0000034610	236.6
No	K24IT-D	D24	LD	LIC	HOQUIAM, WA	BLANK0000001697	90.7
No	KRUM-LD	D24	LD	CP	SEATTLE, WA	BLANK0000024401	216.9

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
KUFO 970 L DAN D PORTLAND, OR BL
KUFO 970 L DAN N PORTLAND, OR BL

Record parameters as studied:

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    Channel: D23
       Mask: Stringent
   Latitude:  45 31 13.00 N (NAD83)
  Longitude: 122 44 41.00 W
Height AMSL: 470.9 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
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49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	437.4 m	64.1 km
45.0	15.0	443.8	64.4
90.0	15.0	408.9	62.7
135.0	15.0	388.0	61.6
180.0	15.0	392.3	61.8
225.0	15.0	371.7	60.7
270.0	15.0	409.9	62.7
315.0	15.0	316.8	58.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 396 m

Distance to Canadian border: 306.6 km

Distance to Mexican border: 1506.9 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 2.1 degrees Distance: 382.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 106.6 degrees Distance: 1541.3 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 BLDTL20101028ABP ----

Proposal receives 4.41% interference from scenario 1
Proposal receives 4.41% interference from scenario 2
Proposal receives 4.41% interference from scenario 3
Proposal receives 4.41% interference from scenario 4
No IX check failures found.