

Study created: 2020.04.24 09:58:57 JMc

Study build station data: LMS TV 2020-04-24

Proposal: KOXI-CD D20 DC APP PORTLAND, OR
File number: BLANK0000112414
Facility ID: 71074
Station data: User record
Record ID: 848
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K19GH-D	D19	DC	LIC	EUGENE, ETC., OR	BLDTA20091211AEO	157.6 km
No	K19EC-D	D19	LD	LIC	MAPLETON, OR	BLDTL20100223ACV	176.2
No	K19EI-D	D19	LD	LIC	PACIFIC C/CLOVERDALE, OR	BLDTT20091124AGX	85.9
No	K19LT-D	D19	LD	LIC	PRINEVILLE, ETC., OR	BLANK0000074507	185.4
No	KPIC	D19	DT	LIC	ROSEBURG, OR	BLCDT20120423ABP	258.3
Yes	K19MI-D	D19	LD	LIC	SALEM, OR	BLANK0000068888	67.3
Yes	KCKA	D19	DT	APP	CENTRALIA, WA	BLANK0000035737	117.2
Yes	KCKA	D19	DT	LIC	CENTRALIA, WA	BLEDT20101217ABA	117.2
No	K19JX-D	D19	LD	LIC	YAKIMA, WA	BLDTL20141016ADC	205.5
Yes	K20DD-D	D20	LD	LIC	ALBANY, ETC., OR	BLDTL20120524AIN	114.3
No	KQRE-LD	D20	LD	LIC	BEND, OR	BLDTL20120523ACJ	185.4
Yes	K20IR-D	D20	LD	LIC	COTTAGE GROVE, OR	BLDTT20090303ACH	195.3
Yes	K20EH-D	D20	LD	LIC	HOOD RIVER, OR	BLDTL20130311AAW	93.9
No	K20KV-D	D20	LD	CP	MEDFORD, OR	BLANK0000068882	342.8
No	K20MJ-D	D20	LD	LIC	MILTON-FREEWATER, OR	BLANK0000063052	350.0
No	DK20BI-D	D20	LD	APP	NESIKA BEACH, OR	BLDTT20120607ADI	370.7
No	K20ES	N20z	TX	LIC	PENDLETON, ETC., OR	BLTTL19960301JC	271.7
No	K20LL-D	D20	LD	LIC	REEDSPORT, OR	BLDTT20120613AAT	226.7
Yes	K20HT-D	D20	LD	LIC	ROCKAWAY BEACH, OR	BLDTT20120514ABZ	96.0
No	K20MK-D	D20	LD	LIC	ROSEBURG, OR	BLANK0000058770	263.0
No	K20JL-D	D20	LD	LIC	ELLENSBURG, ETC., WA	BLDTT20090506ACI	233.3
Yes	K20NL-D	D20	LD	LIC	GRAYS RIVER, LEBAM, WA	BLANK0000064254	121.4
No	K20KG-D	D20	LD	LIC	PASCO, WA	BLDTL20140224ABY	276.6
No	K23KI-D	D20	LD	CP	Seattle, WA	BLANK0000052239	216.7
No	KREM	D20	DT	LIC	SPOKANE, WA	BLCDT20050623ABG	475.7
No	K20LY-D	D20	LD	CP	WENATCHEE, WA	BNPDTL20100624ABA	279.4
No	K20LQ-D	D20	LD	LIC	YAKIMA, WA	BLDTT20141016ADB	205.5
No	KTVZ	D21	DT	LIC	BEND, OR	BLCDT20100122ABM	195.6
No	K21FS-D	D21	LD	LIC	EUGENE, OR	BLDTT20101029ACP	148.5
No	K21LB-D	D21	LD	CP	LINCOLN CITY, OR	BNPDTL20100324ACD	117.6
No	KPXG-LD	D21	LD	CP	PORTLAND, OR	BLANK0000051710	0.0
No	K21DE-D	D21	LD	LIC	SEASIDE-ASTORIA, OR	BLDTL20130415ACG	123.0
No	KTBW-TV	D21	DT	LIC	TACOMA, WA	BLANK0000087359	225.1
No	KYVE	D21	DT	LIC	YAKIMA, WA	BLEDT20030910ACL	205.9

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:

Channel: D20
Mask: Full Service
Latitude: 45 31 20.50 N (NAD83)
Longitude: 122 44 49.50 W
Height AMSL: 598.3 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.00

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	566.9 m	68.8 km
45.0	15.0	571.5	69.0
90.0	15.0	537.9	67.9
135.0	15.0	508.7	67.0
180.0	15.0	523.9	67.4
225.0	15.0	495.7	66.6
270.0	15.0	535.4	67.8
315.0	15.0	441.1	64.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 523 m

Distance to Canadian border: 306.3 km

Distance to Mexican border: 1507.2 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 2.1 degrees Distance: 381.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 106.6 degrees Distance: 1541.6 km

No land mobile station failures found

Study cell size: 0.50 km
Profile point spacing: 0.10 km

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

No IX check failures found.