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

Proposal: K40KR-D D20 LD LIC MEDFORD, OR
File number: BLDTL20140221ACL
Facility ID: 182420
Station data: User record
Record ID: 32
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	K19GL-D	D19	LD	LIC	YREKA, CA
	BLDTT20080826AAQ			99.6 km	
No	K19HS-D	D19	LD	LIC	GRANTS PASS, OR
	BLDTT20080714ACF			21.0	
No	K19HS-D	D19	LD	CP	GRANTS PASS, OR
	BPDTT20111107ALN			18.9	
Yes	KFBI-LD	D19	LD	APP	MEDFORD, OR
	BLANK0000029258			30.1	
No	K19HH-D	D19	LD	LIC	MIDLAND, ETC., OR
	BLDTT20131101AGB			123.2	
No	KPIC	D19	DT	LIC	ROSEBURG, OR
	BLCDT20120423ABP			90.3	
No	K20DE-D	D20	LD	LIC	ALTURAS/LIKELY, CA
	BLDTT20080826AAS			251.6	
No	KNVN	D20	DT	CP	CHICO, CA
	BLANK0000034865			256.2	
No	K20CN	N20z	TX	LIC	FORTUNA, RIO DELL, CA
	BLTTL19891012JL			241.0	
No	KCVU	D20	DT	LIC	PARADISE, CA
	BLCDT20081222AAV			298.2	
No	KAME-TV	D20	DT	LIC	RENO, NV
	BLANK0000001059			419.3	
No	KAME-TV	D20	DT	APP	RENO, NV
	BLANK0000035790			419.3	
No	K20DD-D	D20	LD	LIC	ALBANY, ETC., OR
	BLDTL20120524AIN			228.9	
No	KQRE-LD	D20	LD	LIC	BEND, OR
	BLDTL20120523ACJ			278.9	
No	K20IR-D	D20	LD	LIC	COTTAGE GROVE, OR
	BLDTT20090303ACH			148.0	
No	DK20BI-D	D20	LD	APP	NESIKA BEACH, OR
	BLDTT20120607ADI			107.5	
No	KOXI-CD	D20	DC	LIC	PORTLAND, OR
	BLANK0000001497			342.8	

No	K20LL-D	D20	LD	LIC	REEDSPORT, OR
	BLDTT20120613AAT		165.0		
No	K20HT-D	D20	LD	LIC	ROCKAWAY BEACH, OR
	BLDTT20120514ABZ		373.2		
No	K38LQ-D	D20	LD	APP	ROSEBURG, OR
	BLANK0000033809		88.0		
No	K21LW-D	D21	LD	LIC	GAZELLE, CA
	BLDTT20130912ADD		83.2		
No	KTVZ	D21	DT	LIC	BEND, OR
	BLCDT20100122ABM		228.9		
No	K21KE-D	D21	LD	LIC	CANYONVILLE, OR
	BLDTL20120606AAJ		53.9		
No	K21JI-D	D21	LD	LIC	CAVE JUNCTION, ETC., OR
	BLDTT20091118ACE		53.8		
No	K21KO-D	D21	LD	CP	GRANTS PASS, OR
	BNPDTL20090825BGL		31.0		
Yes	K21BG-D	D21	LD	LIC	JACKSONVILLE, OR
	BLDTT20090521AFG		30.1		
No	K21MB-D	D21	LD	LIC	SCOTTSBURG, OR
	BLDTT20120607ADE		147.3		

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20
 Mask: Stringent
 Latitude: 42 26 47.00 N (NAD83)
 Longitude: 123 3 26.30 W
 Height AMSL: 771.3 m
 HAAT: 0.0 m
 Peak ERP: 1.00 kW
 Antenna: PSI-PSIUCB4EC (ID 95158) 85.0 deg
 Elev Pattn: Generic
 Elec Tilt: 1.75

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.951 kW	134.8 m	33.5 km
45.0	0.666	288.3	40.0
90.0	0.946	371.2	45.9
135.0	0.666	329.8	41.9
180.0	0.967	21.6	18.4
225.0	0.109	181.0	25.4
270.0	0.002	171.2	9.4
315.0	0.257	237.4	32.7

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 217 m

Distance to Canadian border: 643.4 km

Distance to Mexican border: 1200.7 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 167.7 degrees Distance: 536.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 93.7 degrees Distance: 1505.5 km

No land mobile station failures found

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.