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

Proposal: K43MK-D D35 LD LIC ROSEBURG, OR
File number: BLDTL20140221ACJ
Facility ID: 182662
Station data: User record
Record ID: 55
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	K47DV-D	D34	LD	APP	SOUTH YREKA, CA	
	BLANK0000053626	175.5	km			
No	KHWB-LD	D34	LD	APP	EUGENE, OR	
	BLANK0000029286	106.0				
No	K48GC-D	D34	LD	APP	FLORENCE, OR	
	BLANK0000029589	100.8				
Yes	K34IC-D	D34	LD	LIC	GLIDE, OR	
	BLDTL20120605ABA	31.8				
No	K44JB-D	D34	LD	APP	GRANTS PASS, OR	
	BLANK0000049196	83.8				
No	K34KJ-D	D34	LD	LIC	HARBOR, OR	
	BLANK0000013881	152.2				
No	K34AI-D	D34	LD	LIC	LA PINE, OR	
	BLDTT20090821ABT	168.5				
No	K34DJ	D34-	LD	CP	PHOENIX, ETC., OR	
	BLANK0000002386	112.9				
No	K34DJ	N34-	TX	LIC	PHOENIX, ETC., OR	
	BLTT19920408IC	112.9				
No	K34KL-D	D34	LD	LIC	POWERS, OR	
	BLDTT20120503ADQ	65.1				
No	K35LF-D	D35	LD	LIC	EUREKA, CA	
	BLDTT20140829ACM	279.6				
No	K35LB-D	D35	LD	LIC	LAKESHORE, CA	
	BLDTL20120319AAY	265.8				
Yes	K43DI-D	D35	LD	APP	CANYONVILLE, ETC, OR	
	BLANK0000032657	34.3				
No	K35HW-D	D35	LD	LIC	FLORENCE, OR	
	BLDTT20100114AEE	100.8				
No	K35JH-D	D35	LD	LIC	LONDON SPRINGS, OR	
	BLDTT20091109AAY	53.5				
No	KMCW-LD	D35	LD	CP	MEDFORD, OR	
	BDCCDTL20131220GOK	112.9				
No	K35LW-D	D35	LD	CP	PHILOMATH, OR	
	BNPDTL20100514AIO	147.1				
No	K39KR-D	D35	LD	APP	PORT ORFORD, OR	
	BLANK0000035520	104.6				

No	KORK-CD	D35	DC	LIC	PORTLAND, OR
	BLANK0000001496		262.7		
No	K35LD-D	D35	LD	LIC	PRINEVILLE, OR
	BLDTT20120622AAT		238.1		
No	K35CR-D	D35	LD	LIC	TILLAMOOK, ETC., OR
	BLDTL20130220AAR		225.5		
No	K35LQ-D	D35	LD	CP	CENTERVILLE, WA
	BNPDTL20100513ADW		337.8		
No	K35HU-D	D35	LD	LIC	GRAYS RIVER, WA
	BLDTT20111031AEM		362.4		
No	K36HM-D	D36	LD	LIC	FORT DICK, CA
	BLDTT20090810ACY		141.6		
No	K49IG-D	D36	LD	APP	YREKA, CA
	BLANK0000035593		170.9		
No	K36BX-D	D36	LD	LIC	COOS BAY, OR
	BLDTL20100402ACG		64.4		
No	K50CT-D	D36	LD	APP	COTTAGE GROVE, OR
	BLANK0000029358		69.5		
No	K47GI-D	D36	DC	CP	GRANTS PASS, OR
	BLANK0000027790		91.6		
No	K36KF-D	D36	LD	CP	MEDFORD, OR
	BNPDTL20090825BFO		88.1		
No	K36IB-D	D36	LD	LIC	MIDLAND, ETC., OR
	BLDTT20090921ACY		169.8		
No	K38DT-D	D36	LD	APP	NORTH LA PINE, OR
	BLANK0000052548		168.5		
Yes	KTCW	D36	DT	CP	ROSEBURG, OR
	BLANK0000034586		1.3		
No	K36JZ-D	D36	LD	LIC	ROSEBURG, OR
	BLDTL20140221ACK		0.0		
No	KJWY-LD	D36	LD	LIC	SALEM, OR
	BLDTL20130730ALY		198.2		

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35
 Mask: Full Service
 Latitude: 43 12 9.20 N (NAD83)
 Longitude: 123 22 48.30 W
 Height AMSL: 400.9 m
 HAAT: 0.0 m
 Peak ERP: 1.00 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.00 kW	188.3 m	35.3 km
45.0	1.00	85.9	27.6
90.0	1.00	150.6	33.1

135.0	1.00	1.0	17.0
180.0	1.00	191.1	35.5
225.0	1.00	175.3	34.6
270.0	1.00	72.1	25.7
315.0	1.00	199.6	36.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 133 m

Distance to Canadian border: 558.3 km

Distance to Mexican border: 1287.8 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 166.7 degrees Distance: 624.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 96.5 degrees Distance: 1539.2 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.