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Study build station data: LMS TV 2018-06-24

Proposal: K41FJ-D D30 LD LIC COEUR D'ALENE, ID  
File number: K41FJ-D Channel 30  
Facility ID: 34861  
Station data: User record  
Record ID: 3272  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K42JA-D	D29	LD	APP	HOT SPRINGS, MT	BLANK0000054284	164.7 km
No	K29ID-D	D29	LD	LIC	WEEKSVILLE, MT	BLD TT20130919ABX	146.0
Yes	K43GZ-D	D29	LD	APP	SPOKANE, WA	BLANK0000029604	45.8
Yes	K30MC-D	D30	LD	CP	LEWISTON, ID	BDISDTL20110301ABR	143.3
No	K42JX-D	D30	LD	APP	SALMON, ID	BLANK0000054043	355.0
No	K30LS-D	D30	LD	LIC	SANDPOINT, ID	BLD TT20110927ADN	66.7
No	K15GP-D	D30	LD	APP	KALISPELL & LAKESIDE, MT	BLANK0000052144	179.1
No	K30MJ-D	D30	LD	LIC	LIBBY, MT	BLD TT20111114AUF	119.0
No	K30LX-D	D30	LD	CP	MISSOULA, MT	BNPDTL20100505AFS	230.9
No	K30KY-D	D30	LD	LIC	PHILIPSBURG, MT	BLANK0000007423	310.1
No	K30II-D	D30	LD	LIC	POLSON, MT	BLD TT20110701ABM	193.7
No	K30MW-D	D30	LD	LIC	SWEETGRASS, ETC., MT	BLD TT20120730AMX	378.9
No	K46AM-D	D30	LD	CP	BAKER VALLEY, OR	BLANK0000029895	357.5
No	K45ME-D	D30	LD	CP	LA GRANDE, OR	BLANK0000029901	270.1
No	K50FX-D	D30	LD	CP	MILTON-FREEWATER, OR	BLANK0000029073	241.2
No	K30EW-D	D30	LD	LIC	MONUMENT, ETC., OR	BLD TL201301115ABJ	341.9
No	K30IV-D	D30	LD	LIC	WALLOWA, OR	BLD TT20120524AAU	264.1
No	K51KY-D	D30	LD	APP	HERMISTON, WA	BLANK0000054610	275.6
No	KOMO-TV	D30	DT	CP	SEATTLE, WA	BLANK0000034249	420.8
No	K30KA-D	D30	LD	CP	WENATCHEE, WA	BDCCDTT20061030AGI	280.6
No	KUNW-CD	D30	DC	LIC	YAKIMA, WA	BLD TL20090923ACQ	315.3
No	K40MT-D	D31	LD	APP	BONNERS FERRY, ID	BLANK0000042866	103.8
No	KMNZ-LD	D31	LD	APP	COEUR D'ALENE, ID	BLANK0000052665	0.0
No	K31DS-D	D31	LD	LIC	COOLIN, ID	BLD TT20090807AAM	89.1
No	K31KQ-D	D31	LD	LIC	PLAINS, MT	BLD TT20110425AAV	146.0
No	K38OE-D	D31	LD	APP	WHITEFISH, ETC., MT	BLANK0000053219	179.0
No	CHKL-DT-1	D30	DT	LIC	PENTICTON, BC	BLANKCANADA75	298.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30  
Mask: Full Service  
Latitude: 47 43 53.60 N (NAD83)  
Longitude: 116 43 50.60 W  
Height AMSL: 1261.0 m  
HAAT: 464.1 m  
Peak ERP: 2.70 kW  
Antenna: SWR SWEDL4MLS/30 0.0 deg  
Elev Pattern: Generic  
Elec Tilt: 0.75

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	502.8 m	16.3 km
45.0	0.003	397.6	14.2
90.0	0.003	152.1	9.0

135.0	0.003	433.0	14.9
180.0	1.69	520.0	52.7
225.0	2.70	565.0	56.6
270.0	1.69	576.2	53.9
315.0	0.003	566.0	17.1

Proposal 25.32 dBu contour does not cross Canadian border  
Distance to Canadian border: 141.0 km

Distance to Mexican border: 1677.1 km

Conditions at FCC monitoring station: Ferndale WA  
Bearing: 289.7 degrees Distance: 451.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 128.4 degrees Distance: 1243.9 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 K41FJ-D Channel 30 ----

\*\*MX with scenario 1, 13.03% interference received