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Study build station data: LMS TV 2018-04-27

Proposal: K39CT D15 LD APP COTTONWOOD, ETC., ID
File number: K39CT Chan 15 1.1kW
Facility ID: 48495
Station data: User record
Record ID: 14
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	KQUP-LD	D14	LD	APP	SPOKANE, WA	BLANK0000034960	182.8 km
No	K14HT	N14	TX	LIC	WALLA WALLA, ETC., WA	BLTT19910213IG	143.1
No	KKJB	D15	DT	CP	BOISE, ID	BLANK0000028176	259.9
No	KIWG-LD	D15	LD	CP	BOISE, ID	BNPDTL20091026ABP	270.8
No	K15HR-D	D15	LD	LIC	MACKAY, ID	BLANK0000012101	323.5
No	K15HR-D	N15	TX	LIC	MACKAY, ID	BLTT20060908AAH	323.5
Yes	K15IO-D	D15	LD	LIC	MCCALL & NEW MEADOWS, ID	BLDTT20110831AAN	121.1
No	KPIF	D15	DT	LIC	POCATELLO, ID	BLANK0000001051	473.8
No	KPIF	D15	DT	APP	POCATELLO, ID	BLANK0000035740	473.8
No	KSAW-LD	D15	LD	LIC	TWIN FALLS, ID	BLDTL20140325AEJ	405.0
No	K15JQ-D	D15	LD	CP	CLANCY, MT	BNPDTL20100609AIV	353.2
No	K15KA-D	D15	LD	CP	GREAT FALLS, MT	BNPDTL20101014ABK	426.5
No	K15IY-D	D15	LD	LIC	HERON, MT	BLDTT20111011AFI	218.3
No	KUKL-TV	D15	DT	CP	KALISPELL, MT	BLANK0000034545	268.4
No	K15GP-D	D15	LD	LIC	KALISPELL & LAKESIDE, MT	BLDTT20120402ASG	268.3
No	K40LF-D	D15	LD	APP	PHILIPSBURG, MT	BLANK0000052363	242.3
No	K15KH-DT	D15	LD	CP	SUPERIOR, MT	BNPDTT20140312ACA	170.6
No	K15IL-D	D15	LD	LIC	JOHN DAY, OR	BLDTL20120531ABD	266.5
No	K15DY-D	D15	LD	LIC	ONTARIO, ETC., OR	BLDTT20100219ABD	225.4
No	KVVK-CD	D15	DC	LIC	KENNEWICK, ETC., WA	BLDTA20100125ACB	210.4
Yes	KHQ-TV	D15	DT	LIC	SPOKANE, WA	BLCDT20100406AAP	179.9
No	K15KC-D	D15	LD	CP	YAKIMA, WA	BNPDTL20100422ADC	315.2
Yes	K43CI-D	D16	LD	APP	GRANGEVILLE, ETC., ID	BLANK0000044488	0.3
No	K41GW-D	D16	LD	APP	JULIAETTA, ID	BLANK0000052101	59.5
No	K16KN-D	D16	LD	CP	MISSOULA, MT	BNPDTL20101019ABS	210.2
No	KUNP	D16	DT	LIC	LA GRANDE, OR	BLANK0000001679	129.6
No	KORX-CD	D16	DC	LIC	WALLA WALLA, WA	BLANK0000001386	132.0
No	KORX-CD	D16	DC	CP	WALLA WALLA, WA	BLANK0000035656	132.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Mask: Full Service
Latitude: 46 4 0.12 N (NAD83)
Longitude: 116 27 51.12 W
Height AMSL: 1760.0 m
HAAT: 0.0 m
Peak ERP: 1.10 kW
Antenna: MCX 6939 Wide Cardioid 60.0 deg
Elev Pattn: Generic
Elec Tilt: 1.50

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.736 kW	556.7 m	50.6 km
45.0	1.10	608.7	54.0
90.0	0.931	672.7	54.2
135.0	0.892	657.1	53.6
180.0	1.07	722.8	56.0
225.0	0.922	669.1	54.0
270.0	0.387	561.2	46.7
315.0	0.297	443.5	41.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 611 m

Distance to Canadian border: 326.0 km

Distance to Mexican border: 1491.0 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 307.3 degrees Distance: 558.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 121.9 degrees Distance: 1120.6 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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.