

Study created: 2017.07.13 14:42:02

Study build station data: LMS TV 2017-07-12 (1)

Proposal: K39DL-D D34 LD LIC MOSES LAKE, WA
File number: LONNIEENGLANDPANELS
Facility ID: 67007
Station data: User record
Record ID: 7
Country: U.S.

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number
Distance K32FN	N32	TX	LIC	WENATCHEE, WA	BLTT20030605AEC
45.9 km KWPX-TV	D33	DT	LIC	BELLEVUE, WA	BLCDT20111025AIR
164.4 K11DM	D33	LD	APP	OMAK, ETC., WA	BLANK0000008123
131.3 DK33EH	D33	LD	APP	QUINCY, WA	BDFCDTT20120216AEA
0.0 K33EJ-D	D33	DC	LIC	WALLA WALLA, WA	BLDTA20140917AAZ
193.7 KIMA-TV	D33	DT	LIC	YAKIMA, WA	BLCDT20090811ABV
102.8 K34LW-D	D34	LD	CP	MULLAN, ID	BNPDTL20100505AFE
306.4 K34DC-D	D34	LD	LIC	ASTORIA, OR	BLDTT20100511ACO
332.2 K34DC-D	D34	LD	LIC	ASTORIA, OR	BLDTT20100511ACO
332.2 K34MI-D	D34	LD	CP	BLACK BUTTE RANCH, OR	BDCCDTT20110916ACV
361.0 K34KE-D	D34	LD	LIC	HOOD RIVER, OR	BLDTT20120418ABA
222.0 K34JR-D	D34	LD	LIC	MADRAS, OR	BLDTT20110613ACU
322.1 K34DI-D	D34	LD	LIC	PENDLETON, OR	BLDTT20120614AAJ
237.4 K34LS-D	D34	LD	LIC	SENECA, OR	BLDTT20110415AAH
341.4 K34IF-D	D34	LD	LIC	WALLOWA, OR	BLDTT20120524AGB
282.5 KIRO-TV	D34	LD	LIC	SEATTLE, WA	BLCDT20100908ABY
237.9 KGPX-TV	D34	DT	LIC	SPOKANE, WA	BLANK0000008553
190.5 KWDK	D34	DT	CP	TACOMA, WA	BLANK0000025031
164.4 KWDK	D34	DT	BL	TACOMA, WA	DTVBL35419
164.4					

K35BJ N35+ TX LIC ELLISFORD, ETC., WA BLTTL19861208ID
165.3
K09DG D35 LD APP OMAK, ETC., WA BLANK0000008124
131.3
KDHW-CD D35 DC LIC YAKIMA, WA BLDTA20100902AED
103.1

Data is not available for AM station check

Record parameters as studied:

Channel: D34
Mask: Full Service
Latitude: 47 19 12.50 N (NAD83)
Longitude: 119 48 4.20 W
Height AMSL: 891.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE-TUM-50-C2 CIRCULARLY POLARIZED (ID 93834) 135.0 deg

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.013 kW	263.8 m	16.9 km
45.0	2.98	208.9	42.3
90.0	14.2	191.7	49.4
135.0	11.0	453.1	61.5
180.0	14.9	477.9	64.1
225.0	2.96	432.9	52.7
270.0	0.013	327.4	19.0
315.0	0.014	281.1	18.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 330 m

Distance to Canadian border: 186.7 km

Distance to Mexican border: 1649.2 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 312.7 degrees Distance: 273.4 km
ERP: 0.014 kW Field strength: -47.8 dBu, 0.0 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 119.1 degrees Distance: 1410.5 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.