

Study created: 2018.05.28 16:32:44

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

Proposal: K43MG-D D21 LD LIC HERMISTON, WA
File number: BLDTL20131206AJP
Facility ID: 182504
Station data: User record
Record ID: 72
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	K14HT	N14	TX	LIC	WALLA WALLA, ETC., WA	
	BLTT19910213IG	79.6 km				
No	KQRE-LD	D20	LD	LIC	BEND, OR	
	BLDTL20120523ACJ	215.0				
No	K20EH-D	D20	LD	LIC	HOOD RIVER, OR	
	BLDTL20130311AAW	178.7				
Yes	K40FM-D	D20	LD	APP	MILTON-FREEWATER, OR	
	BLANK0000030149	81.8				
No	K20ES	N20z	TX	LIC	PENDLETON, ETC., OR	
	BLTT19960301JC	85.3				
No	K20JL-D	D20	LD	LIC	ELLENSBURG, ETC., WA	
	BLDTT20090506ACI	133.7				
Yes	K20KG-D	D20	LD	LIC	PASCO, WA	
	BLDTL20140224ABY	28.3				
No	KREM	D20	DT	LIC	SPOKANE, WA	
	BLCDT20050623ABG	235.2				
No	K20LY-D	D20	LD	CP	WENATCHEE, WA	
	BNPDTL20100624ABA	172.9				
No	K20LQ-D	D20	LD	LIC	YAKIMA, WA	
	BLDTT20141016ADB	111.9				
No	KAID	D21	DD	LIC	BOISE, ID	
	BLEDT20120719ABH	352.9				
No	K21CC-D	D21	LD	LIC	LEWISTON, ID	
	BLANK0000005054	180.8				
No	K21CC-D	N21	TX	LIC	LEWISTON, ID	
	BLTT19880525IL	180.8				
No	K48DX-D	D21	LD	APP	SANDPOINT, ID	
	BLANK0000053197	327.1				
No	K21CA-D	D21	LD	LIC	PLAINS, MT	
	BLDTL20091030AIB	372.1				
No	K45LB-D	D21	LD	APP	THOMPSON FALLS, MT	
	BLANK0000052244	354.4				
No	KTVZ	D21	DT	LIC	BEND, OR	
	BLCDT20100122ABM	265.0				
No	K21FS-D	D21	LD	LIC	EUGENE, OR	
	BLDTT20101029ACP	350.8				

Yes	K39FD-D	D21	LD	APP	LA GRANDE, OR
	BLANK0000029891		142.5		
No	K21LB-D	D21	LD	CP	LINCOLN CITY, OR
	BNPDTL20100324ACD		384.7		
No	KPXG-LD	D21	LD	APP	PORTLAND, OR
	BLANK0000051710		272.3		
No	K21DE-D	D21	LD	LIC	SEASIDE-ASTORIA, OR
	BLDTL20130415ACG		355.9		
No	K21LD-D	D21	LD	LIC	MAZAMA, WA
	BLDTT20120614ABW		294.5		
No	K51AE	D21-	LD	APP	MONITOR, ETC., WA
	BLANK0000054486		191.6		
No	KTBW-TV	D21	DT	CP	TACOMA, WA
	BLANK0000027697		318.2		
Yes	K21JQ-D	D21	DC	LIC	WALLA WALLA, WA
	BLDTA20090721ABT		86.6		
Yes	KYVE	D21	DT	LIC	YAKIMA, WA
	BLEDT20030910ACL		111.7		
Yes	K22JJ-D	D22	LD	LIC	MILTON-FREEWATER, OR
	BLDTT20111206BCQ		81.8		
No	KPXG-TV	D22	DT	LIC	SALEM, OR
	BLCDT20110715ACN		272.3		
No	K22KC-D	D22	LD	LIC	THE DALLES, OR
	BLDTT20111202AFS		144.1		
No	K22KC-D	D22	LD	CP	THE DALLES, OR
	BDISDTT20060330AGF		144.1		
No	K22JK-D	D22	LD	LIC	MOSES LAKE, WA
	BLDTL20131206AUD		123.3		
Yes	KTNW	D22	DT	CP	RICHLAND, WA
	BLANK0000034858		18.9		
No	K22JF-D	D22	LD	LIC	STEMILT, ECT, WA
	BLDTT20120123AET		166.9		
No	K51JG-D	D22	LD	APP	YAKIMA, WA
	BLANK0000028988		112.2		
No	K24DX	N24z	TX	LIC	PENDLETON, ETC, OR
	BLTTL19960301JB		85.3		

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21
Mask: Stringent
Latitude: 45 58 48.00 N (NAD83)
Longitude: 119 17 49.30 W
Height AMSL: 389.0 m
HAAT: 0.0 m
Peak ERP: 1.50 kW
Antenna: Omnidirectional
Elev Pattn: Generic

49.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.50 kW	-56.9 m	20.3 km
45.0	1.50	8.3	20.3
90.0	1.50	111.7	34.1
135.0	1.50	246.9	42.3
180.0	1.50	247.6	42.3
225.0	1.50	257.0	42.8
270.0	1.50	176.7	38.4
315.0	1.50	43.9	24.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 129 m

Distance to Canadian border: 335.7 km

Distance to Mexican border: 1496.6 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 324.7 degrees Distance: 411.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 114.6 degrees Distance: 1308.7 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.