

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Centerville17d0.2kwincEltiat270fG1, Model: Longley-Rice

Start: 2022.06.20 18:28:23

Study created: 2022.06.20 18:28:23

Study build station data: LMS TV 2022-06-20

Proposal: K17OY-D D17 LD CP CENTERVILLE, WA

Facility ID: 186693

Station data: User record

Record ID: 2157

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	K16KI-D	D16	LD	LIC	BEND, OR	BLANK00000140200	169.6 km
No	KOAB-TV	D16	LD	LIC	BEND, OR	BLEDT20120427AAO	112.9
No	K49MI-D	D16	LD	LIC	PENDLETON, OR	BLANK00000062876	149.3
No	KORS-CD	D16	DC	LIC	PORTLAND, OR	BLANK00000108949	126.1
No	K16EM-D	D16	LD	LIC	PRINEVILLE, ETC., OR	BLDTT20091124AHA	129.6
No	KFFV	D16	DT	LIC	SEATTLE, WA	BLANK00000087122	242.0
No	KNDO	D16	DT	LIC	YAKIMA, WA	BLCDT20090217ACI	114.8
No	K17KF-D	D17	LD	LIC	CAMBRIDGE, ID	BLDTT20110516ADP	370.4
No	K17ED-D	D17	DC	LIC	PAYETTE, ID	BLDTA20141002AAE	373.8
No	K17ED-D	D17	DC	CP	PAYETTE, ID	BLANK00000127573	373.8
No	K17GK-D	D17	LD	LIC	ARLINGTON, OR	BLDTT20100910ADG	71.2
No	K17HA-D	D17	LD	LIC	ASTORIA, OR	BLDTT20120713ADN	227.3
No	K17HA-D	D17	LD	APP	ASTORIA, OR	BPDTT20121012ACV	227.3
No	K17LY-D	D17	LD	CP	BEND, OR	BNPDTL20100716ACU	169.6
No	KABH-CD	D17	DC	LIC	BEND, OR	BLDTA20131029ABN	169.6
No	K17DU-D	D17	LD	LIC	CHRISTMAS VALLEY, OR	BLDTL20120605AAZ	270.7
No	KMTR	D17	DT	LIC	EUGENE, OR	BLCDT20030618AAY	220.8
No	KMTR	D17	DT	CP	EUGENE, OR	BLANK00000179226	236.4
No	K17GV-D	D17	LD	LIC	Ranier, OR	BLANK00000049611	147.5
No	K17NJ-D	D17	LD	LIC	Rockaway Beach, OR	BLANK00000066996	219.0
No	K17EZ-D	D17	LD	CP	ROGUE RIVER, OR	BPDTL20130325AFT	379.3

No	K17NX-D	D17	LD	LIC	CENTRALIA/CHEHALIS, WA	BLANK0000087286	183.0
No	KVBI-CD	D17	DC	LIC	CLARKSTON, WA	BLANK0000099493	329.1
No	K17IL-D	D17	LD	LIC	ELLENSBURG, ETC., WA	BLDTT20090506ACN	153.1
No	K17EV-D	D17	LD	CP	OMAK, WA	BLANK0000177211	346.0
No	K17EV-D	D17	LD	LIC	OMAK, WA	BLDTT20120530AOX	346.4
No	KCTS-TV	D17	DT	APP	SEATTLE, WA	BLANK0000130792	242.0
No	K49KV-D	D17	LD	CP	STEMILT, ECT, WA	BLANK0000054432	194.7
No	K17KR-D	D17	LD	LIC	WINTHROP, WA	BLDTT20120614ABY	333.0
No	KOHD	D18	DT	LIC	BEND, OR	BLANK0000002204	169.3
No	K18EL-D	D18	LD	LIC	NEWBERG/TIGARD, OR	BLDTT20140521ACS	147.4
No	K18HH-D	D18	LD	LIC	THE DALLES, OR	BLDTT20120621ABT	13.1
No	KEPR-TV	D18	DT	CP	PASCO, WA	BLANK0000035749	160.1
No	KEPR-TV	D18	DT	LIC	PASCO, WA	BLCDT20140717ABN	160.1
No	DDK24DX	N24z	TX	APP	PENDLETON, ETC, OR	BLTTL19960301JB	149.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17
Mask: Full Service
Latitude: 45 35 40.00 N (NAD83)
Longitude: 121 7 47.00 W
Height AMSL: 126.9 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 0.200 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 270.0 deg
Elev Pattn: Generic

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-310.6 m	2.2 km
45.0	0.002	-153.1	3.8
90.0	0.000	-142.3	2.9
135.0	0.001	-211.6	3.5
180.0	0.000	-234.4	2.2
225.0	0.043	-279.5	8.6
270.0	0.200	-156.9	12.5
315.0	0.040	49.4	10.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -180 m

Distance to Canadian border: 339.4 km

Distance to Mexican border: 1479.2 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 344.5 degrees Distance: 388.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 109.5 degrees Distance: 1424.4 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: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K17OY-D	D17	LD	CP	CENTERVILLE, WA		
Undesireds:	K17HA-D	D17	LD	LIC	ASTORIA, OR	BLDTT20120713ADN	227.3 km
	KMTR	D17	DT	LIC	EUGENE, OR	BLCDT20030618AAY	220.8
	Service area			Terrain-limited			
139.5	19,348	139.5		19,348	139.5	IX-free 19,348	Percent IX 0.00 0.00