

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Centerville17d1kwinceltiat270fA1, Model: Longley-Rice

Start: 2022.05.06 04:56:27

Study created: 2022.05.06 04:56:27

Study build station data: LMS TV 2022-05-06

Proposal: K17OY-D D17 LD CP CENTERVILLE, WA

Facility ID: 186693

Station data: User record

Record ID: 2052

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	182.7 km
No	KOAB-TV	D16	LD	LIC	BEND, OR	BLEDT20120427AAO	125.9
No	K49MI-D	D16	LD	LIC	PENDLETON, OR	BLANK00000062876	152.4
No	KORS-CD	D16	DC	LIC	PORTLAND, OR	BLANK00000108949	128.4
No	K16EM-D	D16	LD	LIC	PRINEVILLE, ETC., OR	BLDTT20091124AHA	142.5
No	KFFV	D16	DT	LIC	SEATTLE, WA	BLANK00000087122	230.3
No	KNDO	D16	DT	LIC	YAKIMA, WA	BLCDT20090217ACI	102.6
No	K17KF-D	D17	LD	LIC	CAMBRIDGE, ID	BLDTT20110516ADP	373.5
No	K17ED-D	D17	DC	LIC	PAYETTE, ID	BLDTA20141002AAE	378.8
No	K17ED-D	D17	DC	CP	PAYETTE, ID	BLANK00000127573	378.8
No	K17GK-D	D17	LD	LIC	ARLINGTON, OR	BLDTT20100910ADG	67.9
No	K17HA-D	D17	LD	LIC	ASTORIA, OR	BLDTT20120713ADN	223.9
No	K17HA-D	D17	LD	APP	ASTORIA, OR	BPDTT20121012ACV	223.9
No	K17LY-D	D17	LD	CP	BEND, OR	BNPDTL20100716ACU	182.7
No	KABH-CD	D17	DC	LIC	BEND, OR	BLDTA20131029ABN	182.7
No	K17DU-D	D17	LD	LIC	CHRISTMAS VALLEY, OR	BLDTL20120605AAZ	283.7
No	KMTR	D17	DT	LIC	EUGENE, OR	BLCDT20030618AAY	231.2
No	KMTR	D17	DT	CP	EUGENE, OR	BLANK00000179226	246.8
No	K17GV-D	D17	LD	LIC	Ranier, OR	BLANK00000049611	143.2
No	K17NJ-D	D17	LD	LIC	Rockaway Beach, OR	BLANK00000066996	219.1
No	K17NX-D	D17	LD	LIC	CENTRALIA/CHEHALIS, WA	BLANK00000087286	176.4

No	KVBI-CD	D17	DC	LIC	CLARKSTON, WA	BLANK0000099493	324.3
No	K17IL-D	D17	LD	LIC	ELLENSBURG, ETC., WA	BLDTT20090506ACN	140.6
No	K17EV-D	D17	LD	CP	OMAK, WA	BLANK0000177211	333.6
No	K17EV-D	D17	LD	LIC	OMAK, WA	BLDTT20120530AOX	334.1
No	KCTS-TV	D17	DT	APP	SEATTLE, WA	BLANK0000130792	230.3
No	K49KV-D	D17	LD	CP	STEMILT, ECT, WA	BLANK0000054432	182.0
No	K17KR-D	D17	LD	LIC	WINTHROP, WA	BLDTT20120614ABY	320.0
No	KOHD	D18	DT	LIC	BEND, OR	BLANK0000002204	182.4
No	K18EL-D	D18	LD	LIC	NEWBERG/TIGARD, OR	BLDTT20140521ACS	151.1
No	K18HH-D	D18	LD	LIC	THE DALLES, OR	BLDTT20120621ABT	0.0
No	KEPR-TV	D18	DT	CP	PASCO, WA	BLANK0000035749	154.9
No	KEPR-TV	D18	DT	LIC	PASCO, WA	BLCDT20140717ABN	154.9
No	K18NL-D	D18	LD	CP	YAKIMA, WA	BLANK0000071977	118.9
No	DDK24DX	N24z	TX	APP	PENDLETON, ETC, OR	BLTTL19960301JB	152.4

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 42 42.40 N (NAD83)
Longitude: 121 7 2.20 W
Height AMSL: 983.0 m
HAAT: 0.0 m
Peak ERP: 1.00 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	461.8 m	11.5 km
45.0	0.008	414.3	20.4
90.0	0.002	476.5	16.7
135.0	0.005	746.5	24.0
180.0	0.000	791.2	14.8
225.0	0.214	732.5	45.5
270.0	1.00	661.0	54.1
315.0	0.202	467.0	39.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 594 m

Distance to Canadian border: 328.4 km

Distance to Mexican border: 1491.7 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 343.8 degrees Distance: 376.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 110.0 degrees Distance: 1427.8 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
32.15% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K17OY-D	D17	LD	CP	CENTERVILLE, WA		
Undesireds:	K17GK-D	D17	LD	LIC	ARLINGTON, OR	BLDTT20100910ADG	67.9 km
	K17HA-D	D17	LD	LIC	ASTORIA, OR	BLDTT20120713ADN	223.9
	KMTR	D17	DT	LIC	EUGENE, OR	BLCDT20030618AAY	231.2
	K18HH-D	D18	LD	LIC	THE DALLES, OR	BLDTT20120621ABT	0.0

Service area	Terrain-limited		IX-free	Percent IX
3208.4 55,490	2792.0 42,285	2249.8	28,689	19.42 32.15
Undesired	Total IX		Unique IX	Prcnt Unique IX
K17GK-D D17 LD LIC	1.0 0	1.0	0	0.04 0.00
K18HH-D D18 LD LIC	541.2 13,596	541.2	13,596	19.39 32.15