

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Centerville17d10kwCL1469at270F, Model: Longley-Rice

Start: 2021.07.14 11:21:30

Study created: 2021.07.14 11:21:30

Study build station data: LMS TV 2021-07-14

Proposal: K40NJ-D D17 LD APP CENTERVILLE, WA

Facility ID: 186693

Station data: User record

Record ID: 530

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	BLANK0000140200	181.4 km
No	KOAB-TV	D16	LD	LIC	BEND, OR	BLEDT20120427AAO	123.8
No	K49MI-D	D16	LD	LIC	PENDLETON, OR	BLANK0000062876	136.5
No	KORS-CD	D16	DC	LIC	PORTLAND, OR	BLANK0000108949	143.6
No	K16EM-D	D16	LD	LIC	PRINEVILLE, ETC., OR	BLDTT20091124AHA	138.4
No	KFFV	D16	DT	LIC	SEATTLE, WA	BLANK0000087122	240.0
No	KNDO	D16	DT	LIC	YAKIMA, WA	BLCDDT20090217ACI	99.8
No	K17KF-D	D17	LD	LIC	CAMBRIDGE, ID	BLDTT20110516ADP	357.5
No	K17ED-D	D17	DC	LIC	PAYETTE, ID	BLDTA20141002AAE	363.2
No	K17ED-D	D17	DC	CP	PAYETTE, ID	BLANK0000127573	363.2
Yes	K17GK-D	D17	LD	LIC	ARLINGTON, OR	BLDTT20100910ADG	52.8
No	K17HA-D	D17	LD	LIC	ASTORIA, OR	BLDTT20120713ADN	240.0
No	K17HA-D	D17	LD	APP	ASTORIA, OR	BPDTT20121012ACV	240.0
No	K17LY-D	D17	LD	CP	BEND, OR	BNPDTL20100716ACU	181.4
No	KABH-CD	D17	DC	LIC	BEND, OR	BLDTA20131029ABN	181.4
No	K17DU-D	D17	LD	LIC	CHRISTMAS VALLEY, OR	BLDTL20120605AAZ	279.5
No	KMTR	D17	DT	LIC	EUGENE, OR	BLCDDT20030618AAY	239.1
No	KMTR	D17	DT	CP	EUGENE, OR	BLANK0000035793	254.7

No	K17GV-D	D17	LD	LIC	Ranier, OR	BLANK0000049611	159.1
No	K17NJ-D	D17	LD	LIC	Rockaway Beach, OR	BLANK0000066996	235.0
No	K17NX-D	D17	LD	LIC	CENTRALIA/CHEHALIS, WA	BLANK0000087286	191.6
No	KVBI-CD	D17	DC	LIC	CLARKSTON, WA	BLANK0000099493	310.3
No	K17IL-D	D17	LD	LIC	ELLENSBURG, ETC., WA	BLDTT20090506ACN	139.0
No	K17EV-D	D17	LD	LIC	OMAK, WA	BLDTT20120530AOX	331.4
No	KELZ-LD	D17	LD	CP	PASCO, WA	BNPDTL20101001AAE	141.1
No	KCTS-TV	D17	DT	APP	SEATTLE, WA	BLANK0000130792	240.0
No	K49KV-D	D17	LD	CP	STEMILT, ECT, WA	BLANK0000054432	181.4
No	K17KR-D	D17	LD	LIC	WINTHROP, WA	BLDTT20120614ABY	321.0
No	KOHD	D18	DT	LIC	BEND, OR	BLANK0000002204	181.1
No	K18EL-D	D18	LD	LIC	NEWBERG/TIGARD, OR	BLDTT20140521ACS	165.6
Yes	K18HH-D	D18	LD	LIC	THE DALLES, OR	BLDTT20120621ABT	16.1
No	KEPR-TV	D18	DT	CP	PASCO, WA	BLANK0000035749	141.1
No	KEPR-TV	D18	DT	LIC	PASCO, WA	BLCDDT20140717ABN	141.1
No	K18NL-D	D18	LD	CP	YAKIMA, WA	BLANK0000071977	118.8
No	DK24DX	N24z	TX	LIC	PENDLETON, ETC, OR	BLTTL19960301JB	136.5

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 40 48.00 N (NAD83)
Longitude: 120 54 53.00 W
Height AMSL: 911.0 m
HAAT: 0.0 m
Peak ERP: 10.0 kW
Antenna: KAT-CL-1469B (ID 1007708) 270.0 deg
Elev Pattn: Generic

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.001 kW	412.3 m	11.7 km
45.0	0.001	340.6	10.8

90.0	0.001	718.6	15.0
135.0	0.001	612.6	14.1
180.0	0.001	637.2	14.3
225.0	0.500	694.5	50.2
270.0	10.0	426.4	62.0
315.0	0.500	378.3	42.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 528 m

Distance to Canadian border: 339.2 km

Distance to Mexican border: 1484.7 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 341.8 degrees Distance: 384.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 110.2 degrees Distance: 1411.9 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%

Interference to BLDTT20100910ADG LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
------	------	-----	--------	-------------	-------------	----------

Desired: K17GK-D D17 LD LIC ARLINGTON, OR BLDTT20100910ADG

Undesireds: K40NJ-D D17 LD APP CENTERVILLE, WA 52.8 km
K17ED-D D17 DC LIC PAYETTE, ID BLDTA20141002AAE 323.7
K17HA-D D17 LD LIC ASTORIA, OR BLDTT20120713ADN 287.7
KMTR D17 DT LIC EUGENE, OR BLCDT20030618AAY 283.8
KEPR-TV D18 DT CP PASCO, WA BLANK0000035749 89.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2140.4 1,367	1976.3 1,298	1964.3 1,298	1963.3 1,298	0.05 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K40NJ-D D17 LD APP 1.0	0	1.0 0	
KEPR-TV D18 DT CP 12.0	0	12.0 0	

Interference to BLDTT20100910ADG LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K17GK-D	D17	LD	LIC	ARLINGTON, OR	BLDTT20100910ADG	
Undesireds: K40NJ-D	D17	LD	APP	CENTERVILLE, WA		52.8 km
K17ED-D	D17	DC	LIC	PAYETTE, ID	BLDTA20141002AAE	323.7
K17HA-D	D17	LD	LIC	ASTORIA, OR	BLDTT20120713ADN	287.7
KMTR	D17	DT	LIC	EUGENE, OR	BLCDT20030618AAY	283.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
2140.4 1,367	1976.3 1,298	1976.3 1,298	1975.3 1,298	0.05 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K40NJ-D D17 LD APP 1.0	0	1.0 0	

Interference to BLDTT20120621ABT LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K18HH-D	D18	LD	LIC	THE DALLES, OR	BLDTT20120621ABT	

Undesireds:	K40NJ-D	D17	LD	APP	CENTERVILLE, WA		16.1 km
	KOHD	D18	DT	LIC	BEND, OR	BLANK0000002204	182.4
	KTVK	D18	DT	CP	ROSEBURG, OR	BLANK00000036020	331.8
	KEPR-TV	D18	DT	CP	PASCO, WA	BLANK00000035749	154.9
	K18NL-D	D18	LD	CP	YAKIMA, WA	BLANK00000071977	118.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
8429.8	67,540	6584.8	50,518	6129.8	49,957	6122.8	49,957	0.11 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K40NJ-D D17 LD APP	8.0	0			7.0	0	
KOHD D18 DT LIC	50.6	162		34.5 162	34.5	162	
KEPR-TV D18 DT CP	416.4	399		398.3 399	397.3	399	
K18NL-D D18 LD CP	7.1	0		4.1 0	4.1	0	

Interference to BLDTT20120621ABT LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K18HH-D	D18	LD	LIC	THE DALLES, OR	BLDTT20120621ABT	
Undesireds:	K40NJ-D	D17	LD	APP	CENTERVILLE, WA		16.1 km
	KOHD	D18	DT	LIC	BEND, OR	BLANK0000002204	182.4
	KTVK	D18	DT	CP	ROSEBURG, OR	BLANK00000036020	331.8
	KEPR-TV	D18	DT	LIC	PASCO, WA	BLCDT20140717ABN	154.9
	K18NL-D	D18	LD	CP	YAKIMA, WA	BLANK00000071977	118.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
8429.8	67,540	6584.8	50,518	6353.0	50,320	6346.0	50,320	0.11 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K40NJ-D D17 LD APP	8.0	0			7.0	0	
KOHD D18 DT LIC	50.6	162		37.5 162	37.5	162	
KEPR-TV D18 DT LIC	190.2	36		175.1 36	174.1	36	
K18NL-D D18 LD CP	7.1	0		4.1 0	4.1	0	

Interference to proposal scenario 1

2.35% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K40NJ-D	D17	LD	APP	CENTERVILLE, WA		
Undesireds:	K17GK-D	D17	LD	LIC	ARLINGTON, OR	BLDTT20100910ADG	52.8 km
	K17HA-D	D17	LD	LIC	ASTORIA, OR	BLDTT20120713ADN	240.0
	KABH-CD	D17	DC	LIC	BEND, OR	BLDTA20131029ABN	181.4
	KMTR	D17	DT	LIC	EUGENE, OR	BLCDT20030618AAY	239.1
	K18HH-D	D18	LD	LIC	THE DALLES, OR	BLDTT20120621ABT	16.1

Service area	Terrain-limited	IX-free	Percent IX
3350.0 54,300	2687.9 33,991	2417.0 33,193	10.08 2.35

Undesired	Total IX	Unique IX	Prcnt Unique IX
K17GK-D D17 LD LIC 6.0 2 3.0 0 0.11 0.00			
KABH-CD D17 DC LIC 2.0 0 2.0 0 0.07 0.00			
K18HH-D D18 LD LIC 265.9 798 262.8 796 9.78 2.34			

Interference to proposal scenario 2
2.35% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K40NJ-D	D17	LD	APP	CENTERVILLE, WA		
Undesireds:	K17GK-D	D17	LD	LIC	ARLINGTON, OR	BLDTT20100910ADG	52.8 km
	K17HA-D	D17	LD	LIC	ASTORIA, OR	BLDTT20120713ADN	240.0
	KABH-CD	D17	DC	LIC	BEND, OR	BLDTA20131029ABN	181.4
	KMTR	D17	DT	CP	EUGENE, OR	BLANK0000035793	254.7
	K18HH-D	D18	LD	LIC	THE DALLES, OR	BLDTT20120621ABT	16.1

Service area	Terrain-limited	IX-free	Percent IX
3350.0 54,300	2687.9 33,991	2416.0 33,193	10.12 2.35

Undesired	Total IX	Unique IX	Prcnt Unique IX
K17GK-D D17 LD LIC 6.0 2 2.0 0 0.07 0.00			
KABH-CD D17 DC LIC 2.0 0 2.0 0 0.07 0.00			

KMTR D17 DT CP	2.0	0	1.0	0	0.04	0.00
K18HH-D D18 LD LIC	265.9	798	262.8	796	9.78	2.34