

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000035603 #36, Model: Longley-Rice

Start: 2018.07.21 13:13:05

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Study build station data: LMS TV 2018-07-20

Proposal: K47HT D14- LD APP ROSEBURG, OR

File number: BLANK0000035603

Facility ID: 5007

Station data: User record

Record ID: 37

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	K15HV-D	D14	LD	APP	CHICO, CA	BLANK0000052531	386.3 km
No	KVIQ-LD	D14	LD	LIC	Eureka, ca, CA	BLANK0000034113	278.7
No	K14HX-D	D14	LD	LIC	LAKEHEAD, CA	BLD TT20080826AAP	265.8
No	K39EF-D	D14	LD	APP	ASHLAND, OR	BLANK0000054583	112.9
No	KBND-LP	D14	LD	CP	BEND, OR	BDCCDTL20141008AAV	191.4
No	K14QH-D	D14	LD	LIC	BUTTE FALLS, OR	BLANK0000016527	96.2
No	K14MQ-D	D14	LD	LIC	COOS BAY, OR	BLD TL20101122ADP	64.2
No	K14GW-D	D14	LD	LIC	CORVALLIS, OR	BLD TL20100611AFN	160.1
Yes	K14LP-D	D14	LD	LIC	COTTAGE GROVE, OR	BLD TT20090706AGJ	69.6
Yes	K14PJ-D	D14	LD	CP	EUGENE, OR	BNPDTL20100716ADA	91.6
Yes	K38LJ-D	D14	LD	APP	GRANTS PASS, OR	BLANK0000054585	83.7
No	KODT-LP	N14-	TX	LIC	SALT CREEK, OR	BLTTL20050309ACO	197.6
No	KRHP-CD	D14	DC	LIC	THE DALLES, OR	BLDTA20090819AFR	325.1
Yes	K04JP	D14	LD	CP	WILLIAMS, OR	BDCCDTT20141002AAL	115.3
No	KAPP	D14	DT	LIC	YAKIMA, WA	BLCDT20130829AEQ	433.7
No	K15JZ-D	D15	LD	LIC	APPLEGATE VALLEY, OR	BLANK0000024546	112.9
No	KFXO-CD	D15	DC	CP	BEND, OR	BLANK0000034082	191.6
No	K15IM-D	D15	LD	LIC	BROOKINGS, ETC, OR	BLD TT20111103AKT	141.5

No	K15KF-D	D15	LD	LIC	COOS BAY, OR	BLANK0000005167	64.4
Yes	KORY-CD	D15	DC	LIC	EUGENE, OR	BLDTA20120222AAU	91.6
Yes	K15JI-D	D15	LD	CP	EUGENE, OR	BNPDTL20100716ADB	91.6
No	K46CH-D	D15	LD	APP	GOLD HILL, OR	BLANK00000029923	91.5
No	K15BP-D	D15	LD	LIC	GRANTS PASS, OR	BLDTT20090615AFL	83.7
No	K45KE-D	D15	LD	APP	JACKSONVILLE, OR	BLANK00000034875	103.1
No	K15KE-D	D15	LD	LIC	KLAMATH FALLS, ETC, OR	BLANK00000011186	169.9
Yes	K51GJ-D	D15	LD	APP	ROSEBURG, OR	BLANK00000029043	0.0
No	K15JG-D	D15	LD	LIC	SCOTTSBURG, OR	BLDTT20120511ABH	61.0
No	K15KB-D	D15	LD	LIC	SQUAW VALLEY, OR	BLANK00000011191	120.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14-
Mask: Stringent
Latitude: 43 12 7.40 N (NAD83)
Longitude: 123 22 58.30 W
Height AMSL: 437.4 m
HAAT: 0.0 m
Peak ERP: 3.38 kW
Antenna: SCA-SL-8 (ID 1002628) 50.0 deg
Elev Pattn: Generic
Elec Tilt: 2.00

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.81 kW	220.2 m	45.0 km
45.0	3.38	144.4	41.4
90.0	3.08	185.1	43.5
135.0	1.73	48.4	26.7
180.0	1.51	218.8	41.7
225.0	1.77	217.7	42.5
270.0	1.46	100.3	33.7
315.0	1.57	221.1	42.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 169 m

Distance to Canadian border: 558.4 km

Distance to Mexican border: 1287.9 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 166.7 degrees Distance: 624.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 96.5 degrees Distance: 1539.4 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%

Interference to BLDTT20090706AGJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K14LP-D	D14	LD	LIC	COTTAGE GROVE, OR	BLDTT20090706AGJ	
Undesireds:	K47HT	D14-	LD	APP	ROSEBURG, OR	BLANK0000035603	69.6 km
	K14GW-D	D14	LD	LIC	CORVALLIS, OR	BLDTL20100611AFN	97.6
	K14PJ-D	D14	LD	CP	EUGENE, OR	BNPDTL20100716ADA	25.6
	KORY-CD	D15	DC	LIC	EUGENE, OR	BLDTA20120222AAU	25.6
	K15JI-D	D15	LD	CP	EUGENE, OR	BNPDTL20100716ADB	25.6
	K51GJ-D	D15	LD	APP	ROSEBURG, OR	BLANK0000029043	69.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX

1569.3	133,300	1175.7	72,872	1065.5	54,973	1056.4	54,930	0.86	0.08
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Undesired		Total IX	Unique IX, before	Unique IX, after
K47HT D14- LD APP	20.3	43		9.1 43
K14GW-D D14 LD LIC	65.7	6,126	35.4 261	30.4 261
K14PJ-D D14 LD CP	33.3	16,644	0.0 0	0.0 0
KORY-CD D15 DC LIC	72.7	17,606	0.0 0	0.0 0
K15JI-D D15 LD CP	72.7	17,606	0.0 0	0.0 0
K51GJ-D D15 LD APP	1.0	0	0.0 0	0.0 0

Interference to BNPDTL20100716ADA CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K14PJ-D	D14	LD	CP	EUGENE, OR	BNPDTL20100716ADA	

Undesireds:	K47HT	D14-	LD	APP	ROSEBURG, OR	BLANK0000035603	91.6 km
	K14GW-D	D14	LD	LIC	CORVALLIS, OR	BLDTL20100611AFN	72.0
	K14LP-D	D14	LD	LIC	COTTAGE GROVE, OR	BLD TT20090706AGJ	25.6
	KORY-CD	D15	DC	LIC	EUGENE, OR	BLDTA20120222AAU	0.0
	K15JI-D	D15	LD	CP	EUGENE, OR	BNPDTL20100716ADB	0.0

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1039.1	275,191	991.7 270,981	142.1 13,853	142.1 13,853	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
K47HT D14- LD APP	5.0	0		0.0 0
K14GW-D D14 LD LIC	495.7	188,473	0.0 0	0.0 0
K14LP-D D14 LD LIC	88.7	8,595	0.0 0	0.0 0
KORY-CD D15 DC LIC	849.6	257,128	0.0 0	0.0 0
K15JI-D D15 LD CP	849.6	257,128	0.0 0	0.0 0

Interference to BLANK0000054585 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K38LJ-D	D14	LD	APP	GRANTS PASS, OR	BLANK0000054585	

Undesireds:	K47HT	D14-	LD	APP	ROSEBURG, OR	BLANK0000035603	83.7 km
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KVIQ-LD	D14	LD	LIC	Eureka, ca, CA	BLANK0000034113	198.9
K39EF-D	D14	LD	APP	ASHLAND, OR	BLANK0000054583	48.0
K14QH-D	D14	LD	LIC	BUTTE FALLS, OR	BLANK0000016527	61.0
K14MQ-D	D14	LD	LIC	COOS BAY, OR	BLDTL20101122ADP	124.7
K14GW-D	D14	LD	LIC	CORVALLIS, OR	BLDTL20100611AFN	243.3
K04JP	D14	LD	CP	WILLIAMS, OR	BDCCDTT20141002AAL	31.7
K46CH-D	D15	LD	APP	GOLD HILL, OR	BLANK0000029923	24.4
K45KE-D	D15	LD	APP	JACKSONVILLE, OR	BLANK0000034875	34.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7123.9	242,637	5279.0	143,873	5188.6	143,709	5186.5	143,709	0.04	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K47HT D14- LD APP	9.0	0	2.0
KVIQ-LD D14 LD LIC	1.0	0	1.0
K39EF-D D14 LD APP	73.4	84	55.4
K14QH-D D14 LD LIC	2.0	0	0.0
K14MQ-D D14 LD LIC	1.0	0	0.0
K14GW-D D14 LD LIC	3.0	0	0.0
K04JP D14 LD CP	18.0	80	11.0
K46CH-D D15 LD APP	1.0	0	0.0
K45KE-D D15 LD APP	11.0	50	1.0

Interference to BDCCDTT20141002AAL CP scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K04JP	D14	LD	CP	WILLIAMS, OR	BDCCDTT20141002AAL	
Undesireds: K47HT	D14-	LD	APP	ROSEBURG, OR	BLANK0000035603	115.3 km
K39EF-D	D14	LD	APP	ASHLAND, OR	BLANK0000054583	47.4
K38LJ-D	D14	LD	APP	GRANTS PASS, OR	BLANK0000054585	31.7
K15BP-D	D15	LD	LIC	GRANTS PASS, OR	BLDTT20090615AFL	31.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1201.9	69,713	782.7	14,826	735.7	14,577	735.7	14,577	0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K47HT D14- LD APP	1.0	0	0.0

K39EF-D D14 LD APP	25.0	39	17.0	39	17.0	39
K38LJ-D D14 LD APP	30.1	210	19.1	210	19.1	210
K15BP-D D15 LD LIC	5.0	0	0.0	0	0.0	0

Interference to BLDTA20120222AAU LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	KORY-CD	D15	DC	LIC	EUGENE, OR	BLDTA20120222AAU			
Undesireds:	K47HT	D14-	LD	APP	ROSEBURG, OR	BLANK0000035603	91.6 km		
	KFXO-CD	D15	DC	CP	BEND, OR	BLANK0000034082	142.7		
	KOXO-CD	D15	DC	LIC	PORTLAND, OR	BLANK0000054912	171.4		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
9045.9	361,198	7422.2	338,451	7404.1	338,280	7403.1	338,280	0.01	0.00
Undesired				Total IX	Unique IX, before	Unique IX, after			
K47HT D14- LD APP				1.0	0	1.0		0	
KOXO-CD D15 DC LIC				18.1	171	18.1		171	

Interference to BNPDTL20100716ADB CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K15JI-D	D15	LD	CP	EUGENE, OR	BNPDTL20100716ADB	
Undesireds:	K47HT	D14-	LD	APP	ROSEBURG, OR	BLANK0000035603	91.6 km
	K14GW-D	D14	LD	LIC	CORVALLIS, OR	BLDTL20100611AFN	72.0
	K14LP-D	D14	LD	LIC	COTTAGE GROVE, OR	BLDTT20090706AGJ	25.6
	KORY-CD	D15	DC	LIC	EUGENE, OR	BLDTA20120222AAU	0.0
	K15DS-D	D15	LD	LIC	NEWPORT, ETC., OR	BLDTL20130130AIS	111.9
	KOXO-CD	D15	DC	LIC	PORTLAND, OR	BLANK0000054912	171.4
	K51GJ-D	D15	LD	APP	ROSEBURG, OR	BLANK0000029043	91.6
	K15JG-D	D15	LD	LIC	SCOTTSBURG, OR	BLDTT20120511ABH	69.3
	K48MP-D	D16	LD	CP	CORVALLIS, OR	BLANK0000054539	57.1
	K40IS-D	D16	LD	CP	COTTAGE GROVE, OR	BLANK0000029342	25.6
	K16IG-D	D16	LD	LIC	COTTAGE GROVE, OR	BLDTL20140221ACI	33.4
	K16JS-D	D16	LD	CP	EUGENE, OR	BNPDTL20091221AIJ	0.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
9084.3 355,188	7471.5 336,011	3386.7 37,138	3386.7 37,138	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K47HT D14- LD APP	1.0 0	0.0 0	0.0 0
K14GW-D D14 LD LIC	73.2 1,799	0.0 0	0.0 0
K14LP-D D14 LD LIC	59.8 1,729	0.0 0	0.0 0
KORY-CD D15 DC LIC	4084.8 298,873	3867.8 295,000	3867.8 295,000
K15DS-D D15 LD LIC	5.0 0	0.0 0	0.0 0
KOXO-CD D15 DC LIC	18.1 385	0.0 0	0.0 0
K51GJ-D D15 LD APP	21.3 14	0.0 0	0.0 0
K15JG-D D15 LD LIC	29.4 0	0.0 0	0.0 0
K48MP-D D16 LD CP	4.0 171	0.0 0	0.0 0
K40IS-D D16 LD CP	30.4 414	0.0 0	0.0 0
K16IG-D D16 LD LIC	52.7 123	0.0 0	0.0 0
K16JS-D D16 LD CP	2.0 1	0.0 0	0.0 0

Interference to BLANK0000029043 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K51GJ-D	D15	LD	APP	ROSEBURG, OR	BLANK0000029043	
Undesireds:	K47HT	D14-	LD	APP	ROSEBURG, OR	BLANK0000035603	0.0 km
	KORY-CD	D15	DC	LIC	EUGENE, OR	BLDTA20120222AAU	91.6
	K15JI-D	D15	LD	CP	EUGENE, OR	BNPDTL20100716ADB	91.6
	K16IF-D	D16	LD	CP	GRANTS PASS, OR	BNPDTL20090825BGI	67.5
	KPIC	D16	LD	LIC	ROSEBURG, OR	BLCDT20131205AIL	1.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
4378.4 91,266	3089.7 75,105	3011.7 74,747	3009.7 73,905	0.07 1.13

Undesired	Total IX	Unique IX, before	Unique IX, after
K47HT D14- LD APP	2.0 842	2.0 842	2.0 842
KORY-CD D15 DC LIC	42.0 20	0.0 0	0.0 0
K15JI-D D15 LD CP	42.0 20	0.0 0	0.0 0
K16IF-D D16 LD CP	1.0 0	0.0 0	0.0 0
KPIC D16 LD LIC	37.0 343	36.0 338	36.0 338

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K47HT	D14-	LD	APP	ROSEBURG, OR	BLANK0000035603	
Undesireds:	K14GW-D	D14	LD	LIC	CORVALLIS, OR	BLDTL20100611AFN	160.1 km
	K14LP-D	D14	LD	LIC	COTTAGE GROVE, OR	BLDTT20090706AGJ	69.6
	K38LJ-D	D14	LD	APP	GRANTS PASS, OR	BLANK0000054585	83.7
	KORY-CD	D15	DC	LIC	EUGENE, OR	BLDTA20120222AAU	91.6
	K15JI-D	D15	LD	CP	EUGENE, OR	BNPDTL20100716ADB	91.6
	K51GJ-D	D15	LD	APP	ROSEBURG, OR	BLANK0000029043	0.0

	Service area		Terrain-limited		IX-free		Percent IX
	5167.7	93,132	3714.5	77,544	3700.5	77,536	0.38 0.01

Undesired			Total IX		Unique IX	Prcnt Unique IX
K14GW-D D14 LD LIC	9.0	8	7.0	8	0.19 0.01	
K14LP-D D14 LD LIC	3.0	0	1.0	0	0.03 0.00	
K38LJ-D D14 LD APP	1.0	0	1.0	0	0.03 0.00	
KORY-CD D15 DC LIC	2.0	0	0.0	0	0.00 0.00	
K15JI-D D15 LD CP	2.0	0	0.0	0	0.00 0.00	
K51GJ-D D15 LD APP	2.0	0	2.0	0	0.05 0.00	