

tvstudy v2.2.5 (4uoc83)

Database: localhost,Study: K35GW-D-ch22, Model: Longley-Rice

Start: 2018.04.09 09:49:38

Study created: 2018.04.09 09:49:37

Study build station data: LMS TV 2018-04-09

Proposal: K35GW-D D22 LD LIC MALAD CITY, ID

File number: K35GW-D-ch22

Facility ID: 62399

Station data: User record

Record ID: 77

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	K15FP	N15	TX	LIC	PEOA,OAKLEY, UT	BLTT20030618ABD	166.6 km
No	K21LI-D	D21	LD	CP	IDAHO FALLS, ID	BNPDTL20100507ACO	164.7
Yes	K21HV-D	D21	LD	LIC	MALAD, ID	BLDTT20090610ABV	0.0
No	K21CE-D	D21	LD	LIC	MONTPELIER, ID	BLDTT20111115AGY	76.0
No	K21JC-D	D21	LD	LIC	POCATELLO, ID	BLDTL20090217ACR	90.8
No	K21HH-D	D21	LD	LIC	PRESTON, ID	BLDTT20111116AIE	36.1
No	K49HU-D	D21	LD	APP	SODA SPRINGS, ID	BLANK0000029621	74.6
No	K21ME-D	D21	LD	CP	TWIN FALLS, ID	BNPDTL20100507ACP	194.9
No	K21JM-D	D21	LD	LIC	COALVILLE, UT	BLDTT20090624ABD	145.2
No	K21DY-D	D21	LD	LIC	HEBER CITY, UT	BLDTT20110331ADX	179.5
No	K21IY-D	D21	LD	LIC	PEOA,OAKLEY, UT	BLDTT20090624ADV	166.6
No	KEJT-CD	D21	DC	CP	SALT LAKE CITY, UT	BLANK0000034766	157.9
No	K47HB-D	D21	LD	APP	SUMMIT COUNTY, UT	BLANK0000041673	149.2
No	K21JL-D	D21	LD	LIC	WANSHIP, UT	BLDTT20090624ADP	156.7

No	KRID-LD	D22	LD	LIC	BOISE, ID	BLANK0000001109	367.2
No	K22IM-D	D22	LD	LIC	CHALLIS, ID	BLDTL20100225ACB	313.2
No	K22IK-D	D22	LD	LIC	REXBURG, ETC., ID	BLDTL20090710AEE	183.6
No	KIPT	D22	DD	LIC	TWIN FALLS, ID	BLEDT20120808ABN	194.9
No	K22GW-D	D22	LD	LIC	WELLS, NV	BLDTT20090709AOQ	247.6
No	K22JH-D	D22	LD	LIC	FERRON, UT	BLDTT20100107ABQ	344.0
No	K22JI-D	D22	LD	LIC	HUNTINGTON, UT	BLDTT20100107ABK	322.2
No	K22EC-D	D22	LD	LIC	JUAB, UT	BLDTT20071113ACB	289.5
No	K43OP-D	D22	LD	APP	LAKETOWN, ETC., UT	BLANK0000029365	80.6
No	K22IX-D	D22	LD	LIC	MAYFIELD, UT	BLDTT20091015AAA	332.0
No	K22FW-D	D22	LD	LIC	MOUNT PLEASANT, UT	BLDTT20090710AFC	290.7
No	K22FX	N22	TX	LIC	ORANGEVILLE, ETC., UT	BLTT20030806AAW	331.5
No	K22DM-D	D22	LD	LIC	RURAL SUMMIT COUNTY, UT	BLDTT20100602AAM	149.1
No	K22JZ-D	D22	LD	LIC	SPRING GLEN, UT	BLDTT20100610ACQ	271.0
No	K22DE	D22	LD	CP	TOOELE, UT	BDFCDTT20110217ABM	158.0
No	K22DE	N22	TX	LIC	TOOELE, UT	BLTT19910607IE	158.0
No	K22KP-D	D22	LD	LIC	WENDOVER, UT	BLDTT20110928ADB	213.0
No	K22IY	N22	TX	LIC	BIG PINEY, WY	BLTT20100119AAE	202.5
No	K22CI-D	D22	LD	LIC	LANDER, WY	BLDTT20101203ABR	299.4
No	K23JA-D	D23	LD	LIC	MALAD CITY, ID	BLDTT20080722AEJ	0.0
No	K23DO-D	D23	LD	LIC	MALTA, ID	BLDTT20100915AAZ	107.3
No	K23BV-D	D23	LD	LIC	MONTPELIER, ID	BLDTT20111115AGZ	76.0
Yes	KPVI-DT	D23	DT	LIC	POCATELLO, ID	BLCDT20060706AEF	94.0
No	K23GR-D	D23	LD	LIC	PRESTON, ID	BLDTT20111116AID	36.1
No	K23JS-D	D23	LD	LIC	COALVILLE, UT	BLDTT20090624ABC	145.2
No	K23JR-D	D23	LD	LIC	HENEFER, ETC., UT	BLDTL20090624ADF	138.4
No	K23IC-D	D23	LD	LIC	HUNTSVILLE, ETC., UT	BLDTT20081215AAC	88.6
No	KBTU-LD	N23+	TX	LIC	SALT LAKE CITY, UT	BLTTL20060406AAE	158.7
No	KBTU-LD	D23+	LD	LIC	SALT LAKE CITY, UT	BLANK0000013330	155.4
No	KSL-TV	D23	DT	CP	SALT LAKE CITY, UT	BLANK0000029868	158.0
No	K23IQ-D	D23	LD	LIC	SAMAK, UT	BLDTT20090624ABT	179.4
No	K23IP-D	D23	LD	LIC	WANSHIP, UT	BLDTT20090624ADO	156.7
No	K23DS-D	D23	LD	LIC	EVANSTON, WY	BLDTT20060711AAO	135.2
No	K29EP	N29	TX	LIC	MORGAN, ETC., UT	BLTT20030905ABO	121.4

No non-directional AM stations found within 0.8 km
No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Mask: Stringent
Latitude: 42 4 49.70 N (NAD83)
Longitude: 112 12 31.80 W
Height AMSL: 1555.0 m
HAAT: 0.0 m
Peak ERP: 0.377 kW
Antenna: SCA-4DR-16-2HW (ID 20732) 327.0 deg
Elev Pattn: Generic

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.262 kW	-91.8 m	13.0 km
45.0	0.274	-368.1	13.1
90.0	0.004	-227.5	4.6
135.0	0.000	-194.4	2.1
180.0	0.000	203.7	4.9
225.0	0.105	-54.4	10.4
270.0	0.366	-23.1	14.1
315.0	0.326	200.7	31.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: -69 m

Distance to Canadian border: 769.0 km

Distance to Mexican border: 1063.8 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 242.4 degrees Distance: 946.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 107.9 degrees Distance: 620.3 km

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 BLDDT20090610ABV LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	
Distance							
Desired:	K21HV-D	D21	LD	LIC	MALAD, ID	BLDDT20090610ABV	
Undesireds:	K35GW-D	D22	LD	LIC	MALAD CITY, ID	K35GW-D-ch22	0.0 km
	KEJT-CD	D21	DC	CP	SALT LAKE CITY, UT	BLANK0000034766	157.9
	K47HB-D	D21	LD	APP	SUMMIT COUNTY, UT	BLANK0000041673	149.2
Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX	
835.9	3,616	745.7	3,556	728.7	3,556	707.7	3,492 2.87 1.80

Undesired	Total IX	Unique IX, before	Unique IX, after
K35GW-D D22 LD LIC 20.9	64	20.9	64
KEJT-CD D21 DC CP 17.1	0	16.1	0
K47HB-D D21 LD APP 1.0	0	0.0	0

Interference to BLCDT20060706AEF LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	
Distance							
Desired:	KPVI-DT	D23	DT	LIC	POCATELLO, ID	BLCDT20060706AEF	
Undesireds:	K35GW-D	D22	LD	LIC	MALAD CITY, ID	K35GW-D-ch22	94.0 km
	KSL-TV	D23	DT	CP	SALT LAKE CITY, UT	BLANK0000029868	251.6
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
26541.2	271,492	21429.5		264,083	21273.0	264,008	21268.0 264,008 0.02 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K35GW-D D22 LD LIC		9.1		0		5.0	0
KSL-TV D23 DT CP		156.5		75	156.5	75	152.5 75

Interference to BLCDT20060706AEF LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	
Distance							
Desired:	KPVI-DT	D23	DT	LIC	POCATELLO, ID	BLCDT20060706AEF	
Undesireds:	K35GW-D	D22	LD	LIC	MALAD CITY, ID	K35GW-D-ch22	94.0 km
	KSL-TV	D23	DT	BL	SALT LAKE CITY, UT	DTVBL6359	251.6
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX
26541.2	271,492	21429.5		264,083	21231.7	263,999	21228.7 263,999 0.01 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K35GW-D D22 LD LIC		9.1		0		3.0	0
KSL-TV D23 DT BL		197.8		84	197.8	84	191.8 84

Interference to proposal scenario 1
2.05% interference received

	Call	Chan	Svc	Status	City, State	File Number	
Distance							
Desired:	K35GW-D	D22	LD	LIC	MALAD CITY, ID	K35GW-D-ch22	
Undesireds:	K21HV-D	D21	LD	LIC	MALAD, ID	BLDTT20090610ABV	0.0 km
	K22DE	D22	LD	CP	TOOELE, UT	BDFCDTT20110217ABM	158.0
	K23JA-D	D23	LD	LIC	MALAD CITY, ID	BLDTT20080722AEJ	0.0
Service area		Terrain-limited		IX-free		Percent IX	
848.3	3,564	755.7	3,563	729.8	3,490	3.43	2.05
Undesired				Total IX	Unique IX	Prcnt Unique IX	
K21HV-D D21 LD LIC		7.0	12	1.0	0	0.13	0.00
K23JA-D D23 LD LIC		24.9	73	18.9	61	2.51	1.71