

tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: K48LA STA at 470w DA 3107C, Model: Longley-Rice  
 Start: 2021.04.20 17:45:49

Study created: 2021.04.20 17:45:49

Study build station data: LMS TV 2021-04-20

Proposal: K48LA-D D14 LD STA SOUTH LAKE TAHOE, CA  
 File number: K48LA STA at 470w DA 3107C  
 Facility ID: 168232  
 Station data: User record  
 Record ID: 1383  
 Country: U.S.

Build options:  
 Protect pre-transition records not on baseline channel  
 Protect baseline records from LPTV

Search options:  
 Non-U.S. records included  
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KVIQ-LP	D14	LD	LIC	Eureka, ca, CA	BLANK0000034113	375.3 km
No	KJEO-LD	D14	LD	LIC	FRESNO, CA	BLANK0000093724	292.2
No	K14HX-D	D14	LD	LIC	LAKEHEAD, CA	BLDTT20080826AAP	276.6
No	K14PC-D	D14	LD	CP	MONTEREY, CA	BNPDTL20100728AEU	351.8
No	K14TG-D	D14	LD	CP	MONTEREY, CA	BLANK0000143021	347.8
No	K14SI-D	D14	LD	LIC	MONTEREY, CA	BLANK0000105351	316.3
No	KSAO-LD	D14	LD	LIC	SACRAMENTO, CA	BLANK0000112334	124.8
No	KQTA-LD	D14	LD	CP	San Francisco, CA	BLANK0000075058	279.2
No	KDTS-LD	D14	LD	CP	SAN FRANCISCO, CA	BLANK0000115857	279.2
No	KMMC-LD	D14	LD	CP	SAN FRANCISCO, CA	BLANK0000074648	279.2
No	KMMW-LD	D14	LD	LIC	STOCKTON, CA	BLANK0000125019	150.0
No	K14NU-D	D14	LD	LIC	BEOWAWE, NV	BLDTT20100323AAE	312.5
No	K44AM	D14	LD	CP	CARLIN, NV	BLANK0000054858	349.1
No	K14OB-D	D14	LD	LIC	EUREKA, NV	BLDTT20111230AAL	342.3
No	K14KQ-D	D14	LD	LIC	LOVELOCK, NV	BLDTL20120530AOO	157.4
No	K14SE-D	D14	LD	LIC	MCDERMITT, NV	BLANK0000085799	317.1
No	K14ST-D	D14	LD	CP	SILVER SPRINGS, NV	BLANK0000071884	58.5
Yes	KNRC-LD	D14	LD	LIC	SPARKS, NV	BLDTL20100910AEI	31.5
No	K14JY-D	D14	LD	LIC	WALKER LAKE, NV	BLDTT20111128DZW	144.8
No	K15HV-D	D15	LD	LIC	CHICO, CA	BLDTL20080805AAT	167.2
No	K15CX-D	D15	LD	LIC	OROVILLE, CA	BLANK0000069527	141.5
No	KRCR-TV	D15	DT	APP	REDDING, CA	BLANK0000127639	270.9
No	KYUB-LD	D15	LD	CP	Yuba City, CA	BLANK0000054788	162.0
No	K15LG-D	D15	LD	LIC	HAWTHORNE, NV	BLANK0000063682	140.3
No	KNPB	D15	LD	APP	RENO, NV	BDRTEDT20090825BIO	0.0
Yes	KNPB	D15	DT	LIC	RENO, NV	BLEDT20031023AAU	31.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14  
 Mask: Stringent  
 Latitude: 39 19 23.70 N (NAD83)  
 Longitude: 119 56 38.70 W  
 Height AMSL: 3110.4 m (Adjusted based on actual ground elevation calculation)  
 HAAT: 0.0 m  
 Peak ERP: 0.470 kW  
 Antenna: KAT-CL-1469B (ID 1007708) 180.0 deg  
 Elev Pattern: Generic

48.7 dBu contour:  
 Azimuth ERP HAAT Distance

0.0 deg	0.000 kW	406.6 m	4.4 km
45.0	0.000	932.8	5.1
90.0	0.000	1125.1	5.2
135.0	0.023	1074.2	36.9
180.0	0.470	1070.7	56.4
225.0	0.023	823.9	33.9
270.0	0.000	999.9	5.1
315.0	0.000	1106.5	5.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 942 m

Distance to Canadian border: 1030.3 km

Distance to Mexican border: 780.9 km

Conditions at FCC monitoring station: Livermore CA  
Bearing: 222.1 degrees Distance: 237.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 81.1 degrees Distance: 1257.6 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%

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Interference to BLDTL20100910AEI LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNRC-LD	D14	LD	LIC	SPARKS, NV	BLDTL20100910AEI	
Undesireds:	K48LA-D	D14	LD	STA	SOUTH LAKE TAHOE, CA	K48LA STA at 470w DA 3	31.5 km
	K14ST-D	D14	LD	CP	SILVER SPRINGS, NV	BLANK0000071884	44.3
	KNPB	D15	LD	APP	RENO, NV	BDRTEDT20090825BIO	31.5
	KNPB	D15	DT	LIC	RENO, NV	BLEDT20031023AAU	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5452.0	509,971	3293.5	416,786	3260.8	416,696	3244.9 416,696	0.49 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
K48LA-D	D14 LD STA	18.9	0			15.9 0	
K14ST-D	D14 LD CP	24.8	0	22.8	0	21.8 0	
KNPB	D15 LD APP	2.0	0	1.0	0	0.0 0	
KNPB	D15 DT LIC	7.9	90	6.9	90	6.9 90	

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Interference to BLEDT20031023AAU LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNPB	D15	DT	LIC	RENO, NV	BLEDT20031023AAU	
Undesireds:	K48LA-D	D14	LD	STA	SOUTH LAKE TAHOE, CA	K48LA STA at 470w DA 3	31.5 km
	KBSV	D15	DT	APP	CERES, CA	BLANK0000072220	243.5
	KRCR-TV	D15	DT	APP	REDDING, CA	BLANK0000127639	267.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
12604.8	604,932	6137.9	457,255	6109.0	457,252	6095.1 456,855	0.23 0.09
Undesired		Total IX		Unique IX, before		Unique IX, after	
K48LA-D	D14 LD STA	19.9	397			13.9 397	
KRCR-TV	D15 DT APP	28.9	3	28.9	3	22.9 3	

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Interference to BLEDT20031023AAU LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNPB	D15	DT	LIC	RENO, NV	BLEDT20031023AAU	
Undesireds:	K48LA-D	D14	LD	STA	SOUTH LAKE TAHOE, CA	K48LA STA at 470w DA 3	31.5 km
	KBSV	D15	DT	LIC	CERES, CA	BLEDT20090213AAZ	268.2
	KRCR-TV	D15	DT	APP	REDDING, CA	BLANK0000127639	267.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
12604.8	604,932	6137.9		457,255	6107.0	457,252	6093.1 456,855 0.23 0.09
Undesired		Total IX		Unique IX, before		Unique IX, after	
K48LA-D	D14 LD STA	19.9		397		13.9	397
KBSV	D15 DT LIC	3.0		0	2.0 0	2.0	0
KRCR-TV	D15 DT APP	28.9		3	27.9 3	21.9	3

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Interference to proposal scenario 1

\*\*MX: 14.29% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K48LA-D	D14	LD	STA	SOUTH LAKE TAHOE, CA	K48LA STA at 470w DA 3	
Undesireds:	K14ST-D	D14	LD	CP	SILVER SPRINGS, NV	BLANK0000071884	58.5 km
	KNRC-LD	D14	LD	LIC	SPARKS, NV	BLDTL20100910AEI	31.5
	KNPB	D15	LD	APP	RENO, NV	BDRTEDT20090825BIO	0.0
Service area		Terrain-limited		IX-free		Percent IX	
2093.1	131,917	1645.5		79,253	1560.1	67,928	5.19 14.29
Undesired		Total IX		Unique IX		Prcnt Unique IX	
K14ST-D	D14 LD CP	19.9		5,782	16.9	5,782	1.03 7.30
KNRC-LD	D14 LD LIC	23.9		0	21.9	0	1.33 0.00
KNPB	D15 LD APP	46.7		5,543	41.7	5,543	2.53 6.99