

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Bakers8d2kwSAM0T, Model: Longley-Rice

Start: 2021.09.16 11:29:46

Study created: 2021.09.16 11:29:46

Study build station data: LMS TV 2021-09-16

Proposal: K44LZ-D D8 LD APP BAKERSFIELD, CA

Facility ID: 186657

Station data: User record

Record ID: 436

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
Yes	NEW	D7	LD	CP	BAKERSFIELD, CA	BNPDTL20090825APG	28.9 km
No	KAIL	D7	DT	LIC	FRESNO, CA	BLANK0000146860	208.1
Yes	KABC-TV	D7	DT	CP	LOS ANGELES, CA	BLANK0000035672	148.6
Yes	KABC-TV	D7	DT	LIC	LOS ANGELES, CA	BLANK0000058534	148.6
No	K07AAN-D	D7	LD	CP	SANTA MARIA, CA	BLANK0000153629	122.0
Yes	K24GS	D8	LD	CP	BAKERSFIELD, CA	BDISDVL20121010AAW	58.3
No	KILA-LD	D8	LD	LIC	CHERRY VALLEY, CA	BLANK0000010869	220.6
No	KILA-LD	D8	LD	CP	CHERRY VALLEY, CA	BLANK0000120350	211.3
No	KVPS-LD	D8+	LD	LIC	INDIO, CA	BLANK0000124912	291.5
No	KFLA-LD	D8	LD	LIC	LOS ANGELES, CA	BLANK0000010497	148.6
No	KTAV-LD	D8	LD	APP	Los Angeles, CA	BLANK0000054684	114.1
No	K08IA	N8	TX	LIC	NEWBERRY SPRINGS, CA	BLTTV5051	230.1
Yes	KSBW	D8	DT	LIC	SALINAS, CA	BLCDT20090901ACY	271.3
No	KFMB-TV	D8	DT	CP	SAN DIEGO, CA	BLANK0000035772	317.5
No	KFMB-TV	D8	DT	LIC	SAN DIEGO, CA	BLCDT20100520ACV	317.5
No	KZDF-LD	D8	LD	LIC	SANTA BARBARA, CA	BLANK0000001085	95.3
No	KKDJ-LD	D8	LD	LIC	SANTA MARIA, CA	BLANK0000152363	98.8
No	KKDJ-LD	N8z	TX	LIC	SANTA MARIA, CA	BLTVL20070508AAI	98.8

No	K08PG-D	D8	LD	LIC	INDIAN SPRINGS, NV	BLDTV20130214ADF	348.5
No	KOLO-TV	D8	DT	LIC	RENO, NV	BLCDT20090612ABN	460.2
No	NEW	D9	LD	CP	BAKERSFIELD, CA	BNPDVL20100119ABF	21.1
No	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	148.5
No	KVVG-LD	D9	LD	LIC	PORTERVILLE, CA	BLANK0000156659	124.9
No	KVVG-LD	D9	LD	CP	PORTERVILLE, CA	BLANK0000158412	170.7
No	KJOU-LP	N12z	TX	LIC	BAKERSFIELD, CA	BLTVL20080819ABF	45.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D8
 Mask: Stringent
 Latitude: 35 12 45.70 N (NAD83)
 Longitude: 119 9 57.00 W
 Height AMSL: 104.0 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 2.00 kW
 Antenna: SAM-SAM-160 (ID 1005900) 0.0 deg
 Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.00 kW	0.1 m	26.8 km
45.0	0.451	-2.1	19.5
90.0	0.002	7.6	4.9
135.0	0.018	16.0	8.8
180.0	0.039	-7.0	10.7
225.0	0.018	8.6	8.8
270.0	0.002	14.2	4.9
315.0	0.451	8.8	19.5

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 6 m

Distance to Canadian border: 1490.5 km

Distance to Mexican border: 331.1 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 321.1 degrees Distance: 362.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 61.8 degrees Distance: 1338.0 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 BNPDTL20090825APG CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	NEW	D7	LD	CP	BAKERSFIELD, CA	BNPDTL20090825APG	
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		28.9 km
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK0000146860	197.3
	KABC-TV	D7	DT	CP	LOS ANGELES, CA	BLANK0000035672	146.1
	KOTR-LD	D7	LD	CP	MONTEREY, CA	BLANK0000122307	278.8
	KKDJ-LD	D8	LD	LIC	SANTA MARIA, CA	BLANK0000152363	127.1
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1063.7	509,150	1041.8	509,123	581.1	470,322	581.1 470,322	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K44LZ-D D8 LD APP	17.9			11		0.0 0	
KAIL D7 DT LIC	460.7			38,801	455.8 37,277	437.8 37,266	

KABC-TV D7 DT CP 5.0 1,524 0.0 0 0.0 0

Interference to BNPDTL20090825APG CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	NEW	D7	LD	CP	BAKERSFIELD, CA	BNPDTL20090825APG			
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		28.9 km		
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK00000146860	197.3		
	KABC-TV	D7	DT	LIC	LOS ANGELES, CA	BLANK00000058534	146.1		
	KOTR-LD	D7	LD	CP	MONTEREY, CA	BLANK00000122307	278.8		
	KKDJ-LD	D8	LD	LIC	SANTA MARIA, CA	BLANK00000152363	127.1		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
1063.7 509,150		1041.8 509,123		581.1 470,322		581.1 470,322	0.00 0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
K44LZ-D D8 LD APP				17.9 11	0.0 0				
KAIL D7 DT LIC				460.7 38,801	457.8 37,319	439.8 37,308			
KABC-TV D7 DT LIC				3.0 1,482	0.0 0	0.0 0			

Interference to BLANK0000035672 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	KABC-TV	D7	DT	CP	LOS ANGELES, CA	BLANK0000035672			
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		148.6 km		
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK00000146860	339.4		
	KLAS-TV	D7	DT	LIC	LAS VEGAS, NV	BLANK00000112828	334.8		
	KFMB-TV	D8	DT	CP	SAN DIEGO, CA	BLANK0000035772	171.9		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
58165.3 17,978,044		51745.8 17,629,703		50949.7 17,431,398		50949.7 17,431,398	0.00 0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
K44LZ-D D8 LD APP				2.0 0	0.0 0				

KAIL D7 DT LIC	123.2	811	121.2	811	119.2	811
KLAS-TV D7 DT LIC	264.0	12,025	262.0	12,025	262.0	12,025
KFMB-TV D8 DT CP	410.9	185,469	410.9	185,469	410.9	185,469

Interference to BLANK0000035672 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KABC-TV	D7	DT	CP	LOS ANGELES, CA	BLANK0000035672	
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		148.6 km
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK0000146860	339.4
	KLAS-TV	D7	DT	LIC	LAS VEGAS, NV	BLANK0000112828	334.8
	KFMB-TV	D8	DT	LIC	SAN DIEGO, CA	BLCDT20100520ACV	171.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
58165.3	17,978,044	51745.8	17,629,703	51131.8	17,538,985	51131.8 17,538,985	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
K44LZ-D D8 LD APP		2.0		0		0.0 0	
KAIL D7 DT LIC		123.2		811		119.2 811	
KLAS-TV D7 DT LIC		264.0		12,025		262.0 12,025	
KFMB-TV D8 DT LIC		228.8		77,882		228.8 77,882	

Interference to BLANK0000058534 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KABC-TV	D7	DT	LIC	LOS ANGELES, CA	BLANK0000058534	
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		148.6 km
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK0000146860	339.4
	KLAS-TV	D7	DT	LIC	LAS VEGAS, NV	BLANK0000112828	334.8
	KFMB-TV	D8	DT	CP	SAN DIEGO, CA	BLANK0000035772	171.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
52893.2	17,790,628	46388.3	17,283,792	45706.0	17,103,034	45705.0 17,103,034	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
K44LZ-D D8 LD APP	3.0	0		1.0 0
KAIL D7 DT LIC	106.2	1,572	106.2 1,572	104.2 1,572
KLAS-TV D7 DT LIC	216.1	5,557	216.1 5,557	216.1 5,557
KFMB-TV D8 DT CP	360.1	173,629	360.1 173,629	360.1 173,629

Interference to BLANK0000058534 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KABC-TV	D7	DT	LIC	LOS ANGELES, CA	BLANK0000058534	
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		148.6 km
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK00000146860	339.4
	KLAS-TV	D7	DT	LIC	LAS VEGAS, NV	BLANK00000112828	334.8
	KFMB-TV	D8	DT	LIC	SAN DIEGO, CA	BLCDT20100520ACV	171.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
52893.2 17,790,628	46388.3 17,283,792	45844.2 17,175,618	45843.2 17,175,618	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
K44LZ-D D8 LD APP	3.0	0		1.0 0
KAIL D7 DT LIC	106.2	1,572	106.2 1,572	104.2 1,572
KLAS-TV D7 DT LIC	216.1	5,557	216.1 5,557	216.1 5,557
KFMB-TV D8 DT LIC	221.8	101,045	221.8 101,045	221.8 101,045

Interference to BDISDVL20121010AAW CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K24GS	D8	LD	CP	BAKERSFIELD, CA	BDISDVL20121010AAW	
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		58.3 km
	KABC-TV	D7	DT	CP	LOS ANGELES, CA	BLANK0000035672	144.6
	KILA-LD	D8	LD	LIC	CHERRY VALLEY, CA	BLANK0000010869	203.9
	KFLA-LD	D8	LD	LIC	LOS ANGELES, CA	BLANK0000010497	144.6
	KTAV-LD	D8	LD	APP	Los Angeles, CA	BLANK0000054684	106.6
	KFMB-TV	D8	DT	CP	SAN DIEGO, CA	BLANK0000035772	315.9

KKDJ-LD	D8	LD	LIC	SANTA MARIA, CA	BLANK0000152363	156.7
KVVG-LD	D9	LD	LIC	PORTERVILLE, CA	BLANK0000156659	111.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
6590.4	621,479	6255.5	617,445	6230.6	617,426	5788.7	616,023	7.09 0.23

Undesired		Total IX		Unique IX, before		Unique IX, after	
K44LZ-D D8 LD APP	449.8	1,403			441.9	1,403	
KFLA-LD D8 LD LIC	14.9	0		7.0 0	2.0	0	
KTAV-LD D8 LD APP	17.9	19		9.9 19	7.0	19	

Interference to BLCDT20090901ACY LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSBW	D8	DT	LIC	SALINAS, CA	BLCDT20090901ACY	
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		271.3 km
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK0000146860	187.3
	KRON-TV	D7	DT	LIC	SAN FRANCISCO, CA	BLANK0000112902	139.3
	KQSL	D8	DD	LIC	FORT BRAGG, CA	BLANK0000138052	373.4
	KOLO-TV	D8	DT	LIC	RENO, NV	BLCDT20090612ABN	317.6
	KVIE	D9	DT	CP	SACRAMENTO, CA	BLANK0000035686	168.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
47642.4	5,098,539	40289.0	4,488,282	36655.3	3,771,409	36647.2	3,771,409	0.02 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K44LZ-D D8 LD APP	8.1	0			8.1	0	
KAIL D7 DT LIC	2074.1	129,844		2050.1 129,501	2050.1	129,501	
KRON-TV D7 DT LIC	727.3	485,741		661.4 439,818	661.4	439,818	
KQSL D8 DD LIC	83.1	33,762		16.2 5,373	16.2	5,373	
KOLO-TV D8 DT LIC	708.5	103,221		314.4 10,332	314.4	10,332	
KVIE D9 DT CP	501.7	83,230		160.1 15,637	160.1	15,637	

Interference to BLCDT20090901ACY LIC scenario 2

Desired:	Call KSBW	Chan D8	Svc DT	Status LIC	City, State SALINAS, CA	File Number BLCDT20090901ACY	Distance
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		271.3 km
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK00000146860	187.3
	KRON-TV	D7	DT	LIC	SAN FRANCISCO, CA	BLANK00000112902	139.3
	KQSL	D8	DD	APP	FORT BRAGG, CA	BLANK00000147332	373.4
	KOLO-TV	D8	DT	LIC	RENO, NV	BLCDT20090612ABN	317.6
	KVIE	D9	DT	CP	SACRAMENTO, CA	BLANK00000035686	168.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
47642.4 5,098,539		40289.0		4,488,282		36647.2 3,771,409	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K44LZ-D D8 LD APP	8.1 0		8.1 0
KAIL D7 DT LIC	2074.1 129,844	2050.1 129,501	2050.1 129,501
KRON-TV D7 DT LIC	727.3 485,741	659.4 438,056	659.4 438,056
KQSL D8 DD APP	85.1 35,524	16.2 5,373	16.2 5,373
KOLO-TV D8 DT LIC	708.5 103,221	314.4 10,332	314.4 10,332
KVIE D9 DT CP	501.7 83,230	160.1 15,637	160.1 15,637

Interference to BLCDT20090901ACY LIC scenario 3

Desired:	Call KSBW	Chan D8	Svc DT	Status LIC	City, State SALINAS, CA	File Number BLCDT20090901ACY	Distance
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		271.3 km
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK00000146860	187.3
	KRON-TV	D7	DT	LIC	SAN FRANCISCO, CA	BLANK00000112902	139.3
	KQSL	D8	DD	LIC	FORT BRAGG, CA	BLANK00000138052	373.4
	KOLO-TV	D8	DT	LIC	RENO, NV	BLCDT20090612ABN	317.6
	KVIE	D9	DT	LIC	SACRAMENTO, CA	BMLEDT20100913ABV	168.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
47642.4 5,098,539		40289.0		4,488,282		36650.2 3,771,593	0.02 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after				

K44LZ-D D8 LD APP	8.1	0			8.1	0
KAIL D7 DT LIC	2074.1	129,844	2050.1	129,501	2050.1	129,501
KRON-TV D7 DT LIC	727.3	485,741	661.4	439,818	661.4	439,818
KQSL D8 DD LIC	83.1	33,762	16.2	5,373	16.2	5,373
KOLO-TV D8 DT LIC	708.5	103,221	316.4	10,408	316.4	10,408
KVIE D9 DT LIC	496.7	82,970	157.0	15,453	157.0	15,453

Interference to BLCDT20090901ACY LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSBW	D8	DT	LIC	SALINAS, CA	BLCDT20090901ACY	
Undesireds:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		271.3 km
	KAIL	D7	DT	LIC	FRESNO, CA	BLANK0000146860	187.3
	KRON-TV	D7	DT	LIC	SAN FRANCISCO, CA	BLANK0000112902	139.3
	KQSL	D8	DD	APP	FORT BRAGG, CA	BLANK0000147332	373.4
	KOLO-TV	D8	DT	LIC	RENO, NV	BLCDT20090612ABN	317.6
	KVIE	D9	DT	LIC	SACRAMENTO, CA	BMLEDT20100913ABV	168.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	
	47642.4	5,098,539	40289.0	4,488,282	36658.3	3,771,593	36650.2 3,771,593
							Percent New IX
							0.02 0.00

			Total IX	Unique IX, before	Unique IX, after
Undesired					
K44LZ-D D8 LD APP	8.1	0		8.1	0
KAIL D7 DT LIC	2074.1	129,844	2050.1	129,501	2050.1
KRON-TV D7 DT LIC	727.3	485,741	659.4	438,056	659.4
KQSL D8 DD APP	85.1	35,524	16.2	5,373	16.2
KOLO-TV D8 DT LIC	708.5	103,221	316.4	10,408	316.4
KVIE D9 DT LIC	496.7	82,970	157.0	15,453	157.0

Interference to proposal scenario 1
100.00% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K44LZ-D	D8	LD	APP	BAKERSFIELD, CA		

Undesireds:	K24GS	D8	LD	CP	BAKERSFIELD, CA	BDISDVL20121010AAW	58.3 km
	KILA-LD	D8	LD	LIC	CHERRY VALLEY, CA	BLANK00000010869	220.6
	KKDJ-LD	D8	LD	LIC	SANTA MARIA, CA	BLANK00000152363	98.8
	NEW	D9	LD	CP	BAKERSFIELD, CA	BNPDVL20100119ABF	21.1
	KVVG-LD	D9	LD	LIC	PORTERVILLE, CA	BLANK00000156659	124.9

Service area	Terrain-limited	IX-free	Percent IX
682.1 265,033	637.4 255,637	21.9 11	96.56 100.00

Undesired	Total IX	Unique IX	Prcnt Unique IX
K24GS D8 LD CP	615.4 255,626	607.5 241,327	95.31 94.40
NEW D9 LD CP	8.0 14,299	0.0 0	0.00 0.00