

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KPMC 15 KW, Model: Longley-Rice
Start: 2021.10.04 14:47:16

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Study build station data: LMS TV 2021-10-04

Proposal: KPMC-LD D32 LD CP BAKERSFIELD, CA
File number: BLANK0000053774
Facility ID: 130502
Station data: User record
Record ID: 67
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	K26MW-D	N17	TX	LIC	LUCERNE VALLEY, CA	BLTT20120112AFA	201.3 km
No	K24GS	N24+	TX	LIC	BAKERSFIELD, CA	BLTTL20050118ADI	30.0
No	K25AD-D	N25	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IE	161.1
No	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLANK0000127171	0.0
No	KTFE-LD	D31	LD	LIC	FRESNO, CA	BLANK0000106073	192.0
No	KCBS-TV	D31	DT	LIC	LOS ANGELES, CA	BLANK0000071647	147.3
No	K31MB-D	D31	LD	LIC	RIDGECREST, CA	BLANK0000004746	98.8
No	K31KE-D	D31	LD	LIC	San Luis Obispo, ETC, CA	BLDTT20121220AAO	173.8
No	KBAB-LD	D31	LD	LIC	SANTA BARBARA, CA	BLANK0000117112	150.4
No	K31AD-D	N31	TX	LIC	VICTORVILLE, ETC., CA	BLTT19900108IL	161.1
No	K31AD-D	D31	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143998	161.1
No	K320S-D	D32	LD	CP	DESERT CENTER, CA	BNPDTL20100514ACN	340.0
No	K43AG-D	D32	LD	CP	EDWARDS, CA	BLANK0000054794	132.2
Yes	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	153.3
No	KNLA-CD	D32	DC	LIC	LOS ANGELES, CA	BLANK0000068695	147.3
No	K320X-D	D32-	LD	LIC	LUCERNE VALLEY, CA	BLANK0000152267	161.1
Yes	K10N-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	286.3
Yes	K10N-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	286.3
No	K32EM-D	D32	LD	CP	MORONGO VALLEY, CA	BLANK0000107157	252.0
No	K32EM-D	D32	LD	LIC	MORONGO VALLEY, CA	BLANK0000004554	252.0
No	K32OR-D	D32	LD	CP	PALM SPRINGS, CA	BNPDTL20090825ANU	273.8
No	K32NA-D	D32	LD	LIC	Ridgecrest, CA	BLANK0000068890	95.9
No	KSTV-LD	D32-	LD	LIC	SACRAMENTO, CA	BLANK0000071667	413.5
No	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	419.5
Yes	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	173.7
No	KSBT-LD	D32	LD	LIC	SANTA BARBARA, CA	BLDTL20110711ABK	137.7
No	KFKK-LD	D32	LD	LIC	STOCKTON, CA	BLANK0000068461	319.4
No	KRMV-LD	D32	LD	LIC	WALNUT, CA	BLANK0000098026	211.8
No	KMCC	D32	DD	LIC	LAUGHLIN, NV	BLANK0000048103	401.2
No	K32NW-D	D32	LD	LIC	MINA / LUNING, NV	BLANK0000071519	334.3
No	KCCF-LD	D33	LD	LIC	ATASCADERO, CA	BLANK0000158082	188.5
Yes	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	13.7
No	KVVB-LP	D33	LD	LIC	LUCERNE VALLEY, CA	BLANK0000063260	161.2
No	K33ID-D	D33	LD	LIC	RIDGECREST, CA	BLDTT20080401AUW	95.9
No	KTBN-TV	D33	DT	CP	SANTA ANA, CA	BLANK0000144774	148.4
No	KTBN-TV	D33	DT	LIC	SANTA ANA, CA	BLCDT20091019ABG	148.4
No	K33MO-D	D33	LD	CP	SANTA BARBARA, CA	BNPDTL20100429ADB	137.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
Mask: Full Service
Latitude: 35 26 16.00 N (NAD83)
Longitude: 118 44 29.10 W
Height AMSL: 1091.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: KAT-K723147 (ID 94728) 250.0 deg
Elev Pattn: Generic

50.5 dBu contour:
Azimuth ERP HAAT Distance
0.0 deg 0.037 kW 229.1 m 21.0 km
45.0 0.024 16.7 6.9
90.0 0.054 -384.8 8.4
135.0 0.037 249.0 21.9
180.0 0.254 647.4 43.1
225.0 9.13 775.5 68.8
270.0 11.1 869.7 71.8
315.0 0.600 599.1 47.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 375 m

Distance to Canadian border: 1475.0 km

Distance to Mexican border: 337.7 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 314.3 degrees Distance: 370.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 62.3 degrees Distance: 1292.3 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 BLANK0000063002 LIC scenario 1

Desired:	Call KVPT	Chan D32	Svc DT	Status LIC	City, State FRESNO, CA	File Number BLANK0000063002	Distance	
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	153.3 km	
	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLANK0000127171	153.3	
	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	210.0	
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	302.1	
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	197.4	
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	156.5	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
34447.1	1,746,027	30234.0	1,723,137	29679.6	1,716,709	29471.2	1,710,143	
Undesired					Total IX	Unique IX, before	Unique IX, after	
KPMC-LD	D32	LD	CP	219.5	6,566	208.4	6,566	
KBTF-CD	D31	DC	LIC	1.0	0	0.0	0	
KION-TV	D32	DT	CP	273.7	935	107.6	359	
KCNS	D32	DT	LIC	154.4	1,403	73.4	827	
K32LT-D	D32	DC	LIC	295.4	1,683	164.9	1,672	
KBAK-TV	D33	DT	LIC	29.3	2,994	19.2	2,986	

Interference to BLANK0000063002 LIC scenario 2

Desired:	Call KVPT	Chan D32	Svc DT	Status LIC	City, State FRESNO, CA	File Number BLANK0000063002	Distance	
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	153.3 km	
	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLANK0000127171	153.3	
	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	210.0	
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	302.1	
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	197.4	
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	156.5	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
34447.1	1,746,027	30234.0	1,723,137	29706.8	1,716,780	29498.4	1,710,214	0.70 0.38
Undesired				Total IX	Unique IX, before		Unique IX, after	
KPMC-LD	D32	LD	CP	219.5	6,566	208.4		6,566
KBTF-CD	D31	DC	LIC	1.0	0	0.0		0
KION-TV	D32	DT	LIC	207.3	864	80.4		288
KCNS	D32	DT	LIC	154.4	1,403	91.6		827
K32LT-D	D32	DC	LIC	295.4	1,683	182.9		1,672
KBAK-TV	D33	DT	LIC	29.3	2,994	19.2		2,986

Interference to BLANK0000035685 CP scenario 1

Desired:	Call K10N-TV	Chan D32	Svc DT	Status CP	City, State MONTEREY, CA	File Number BLANK0000035685	Distance			
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	286.3 km			
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	154.4			
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	210.0			
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	154.4			
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	156.8			
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	147.0			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
29114.5	2,608,851	19355.9		934,725	17784.9	826,871	17784.9	826,871	0.00	0.00
Undesired				Total IX	Unique IX, before	Unique IX, after				
KPMC-LD	D32	LD	CP	2.0	0	0.0		0		
KTVU	D31	DT	LIC	102.8	65,894	0.0		0	0	0
KVPT	D32	DT	LIC	337.4	140	195.3		30	194.3	30
KCNS	D32	DT	LIC	1243.8	107,347	984.9		36,403	984.9	36,403
K32LT-D	D32	DC	LIC	161.2	2,409	110.8		38	110.8	38
KKPX-TV	D33	DT	LIC	102.7	68,862	8.0		439	8.0	439

Interference to BLCDT20030604ACO LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	286.3 km
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	154.4
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	210.0

	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	154.4							
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	156.8							
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	147.0							
Service area	24776.4	2,398,351	Terrain-limited	16688.7	860,287	IX-free, before	15661.4	805,553	IX-free, after	15661.4	805,553	Percent New IX	0.00	0.00
Undesired					Total IX	Unique IX, before	Unique IX, after							
KPMC-LD D32 LD CP					0		0.0	0						
KTVU D31 DT LIC					16,925	0.0	0.0	0						
KVPT D32 DT LIC					335	169.9	167.9	292						
KCNS D32 DT LIC					740.7	53,928	578.1	30,352						
K32LT-D D32 DC LIC					146.8	6,067	96.6	75						
KKPX-TV D33 DT LIC					64.2	17,223	5.0	439						
Interference to BLANK0000068200 LIC scenario 1														
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance							
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200								
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	173.7 km							
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	197.4							
	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	156.8							
Service area	10370.6	381,717	Terrain-limited	8640.4	361,124	IX-free, before	8539.8	361,094	IX-free, after	8530.9	361,084	Percent New IX	0.10	0.00
Undesired					Total IX	Unique IX, before	Unique IX, after							
KPMC-LD D32 LD CP					14		8.9	10						
KVPT D32 DT LIC					21	76.6	68.7	21						
KION-TV D32 DT CP					9	23.0	21.0	5						
Interference to BLANK0000068200 LIC scenario 2														
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance							
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200								
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	173.7 km							
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	197.4							
	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	156.8							
Service area	10370.6	381,717	Terrain-limited	8640.4	361,124	IX-free, before	8545.8	361,094	IX-free, after	8535.9	361,084	Percent New IX	0.12	0.00
Undesired					Total IX	Unique IX, before	Unique IX, after							
KPMC-LD D32 LD CP					14		9.9	10						
KVPT D32 DT LIC					21	76.6	68.7	21						
KION-TV D32 DT LIC					9	17.0	16.0	5						
Interference to BLCDT20060628ABK LIC scenario 1														
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance							
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK								
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	13.7 km							
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	156.5							
	KNLA-CD	D32	DC	LIC	LOS ANGELES, CA	BLANK0000068695	143.7							
	KTBN-TV	D33	DT	CP	SANTA ANA, CA	BLANK0000144774	144.8							
	KGPE	D34	DT	LIC	FRESNO, CA	BLCDT20030702ABJ	194.7							
	KMEX-DT	D34	DT	CP	LOS ANGELES, CA	BLANK0000035668	144.4							
Service area	36232.9	1,506,525	Terrain-limited	24919.4	1,277,610	IX-free, before	24515.0	1,263,283	IX-free, after	24493.1	1,263,259	Percent New IX	0.09	0.00
Undesired					Total IX	Unique IX, before	Unique IX, after							
KPMC-LD D32 LD CP					24		21.9	24						
KVPT D32 DT LIC					3,659	59.5	59.5	3,659						
KNLA-CD D32 DC LIC					0	0.0	0.0	0						
KTBN-TV D33 DT CP					334.8	10,668	321.8	10,668						
KGPE D34 DT LIC					4.0	0	0.0	0						
KMEX-DT D34 DT CP					17.1	0	6.0	0						
Interference to BLCDT20060628ABK LIC scenario 2														
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance							
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK								
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	13.7 km							
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	156.5							
	KNLA-CD	D32	DC	LIC	LOS ANGELES, CA	BLANK0000068695	143.7							
	KTBN-TV	D33	DT	CP	SANTA ANA, CA	BLANK0000144774	144.8							
	KGPE	D34	DT	LIC	FRESNO, CA	BLCDT20030702ABJ	194.7							
	KMEX-DT	D34	DT	LIC	LOS ANGELES, CA	BLCDT20121203ASI	144.4							
Service area	36232.9	1,506,525	Terrain-limited	24919.4	1,277,610	IX-free, before	24515.0	1,263,283	IX-free, after	24493.1	1,263,259	Percent New IX	0.09	0.00
Undesired					Total IX	Unique IX, before	Unique IX, after							
KPMC-LD D32 LD CP					24		21.9	24						
KVPT D32 DT LIC					3,659	59.5	59.5	3,659						
KNLA-CD D32 DC LIC					0	0.0	0.0	0						

KTBN-TV D33 DT CP	334.8	10,668	321.8	10,668	321.8	10,668
KGPE D34 DT LIC	4.0	0	0.0	0	0.0	0
KMEX-DT D34 DT LIC	17.1	0	6.0	0	6.0	0

Interference to BLCDT20060628ABK LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	13.7 km
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	156.5
	KNLA-CD	D32	DC	LIC	LOS ANGELES, CA	BLANK0000068695	143.7
	KTBN-TV	D33	DT	LIC	SANTA ANA, CA	BLCDT20091019ABG	144.8
	KGPE	D34	DT	LIC	FRESNO, CA	BLCDT20030702ABJ	194.7
	KMEX-DT	D34	DT	CP	LOS ANGELES, CA	BLANK0000035668	144.4
Service area		Terrain-limited		IX-free, before		IX-free, after	
36232.9	1,506,525	24919.4	1,277,610	24799.7	1,273,489	24777.8	1,273,465
						Percent New IX	
						0.09	
						0.00	
Undesired		Total IX		Unique IX, before		Unique IX, after	
KPMC-LD D32 LD CP		21.9	24			21.9	24
KVPT D32 DT LIC		64.5	3,659	60.5	3,659	60.5	3,659
KNLA-CD D32 DC LIC		2.0	0	0.0	0	0.0	0
KTBN-TV D33 DT LIC		49.1	462	37.1	462	37.1	462
KGPE D34 DT LIC		4.0	0	0.0	0	0.0	0
KMEX-DT D34 DT CP		17.1	0	6.0	0	6.0	0

Interference to BLCDT20060628ABK LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	
Undesireds:	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	13.7 km
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	156.5
	KNLA-CD	D32	DC	LIC	LOS ANGELES, CA	BLANK0000068695	143.7
	KTBN-TV	D33	DT	LIC	SANTA ANA, CA	BLCDT20091019ABG	144.8
	KGPE	D34	DT	LIC	FRESNO, CA	BLCDT20030702ABJ	194.7
	KMEX-DT	D34	DT	LIC	LOS ANGELES, CA	BLCDT20121203ASI	144.4
Service area		Terrain-limited		IX-free, before		IX-free, after	
36232.9	1,506,525	24919.4	1,277,610	24799.7	1,273,489	24777.8	1,273,465
						Percent New IX	
						0.09	
						0.00	
Undesired		Total IX		Unique IX, before		Unique IX, after	
KPMC-LD D32 LD CP		21.9	24			21.9	24
KVPT D32 DT LIC		64.5	3,659	60.5	3,659	60.5	3,659
KNLA-CD D32 DC LIC		2.0	0	0.0	0	0.0	0
KTBN-TV D33 DT LIC		49.1	462	37.1	462	37.1	462
KGPE D34 DT LIC		4.0	0	0.0	0	0.0	0
KMEX-DT D34 DT LIC		17.1	0	6.0	0	6.0	0

Interference to proposal scenario 1
6.47% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPMC-LD	D32	LD	CP	BAKERSFIELD, CA	BLANK0000053774	
Undesireds:	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLANK0000127171	0.0 km
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	153.3
	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	286.3
	K32EM-D	D32	LD	CP	MORONGO VALLEY, CA	BLANK0000107157	252.0
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	13.7
Service area		Terrain-limited		IX-free		Percent IX	
5669.2	630,273	5460.2	630,113	4135.6	589,318	24.26	6.47
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KBTF-CD D31 DC LIC		506.5	210	275.4	43	5.04	0.01
KVPT D32 DT LIC		1038.2	40,748	813.1	40,585	14.89	6.44
KBAK-TV D33 DT LIC		24.9	45	3.0	0	0.05	0.00