

tvstudy v2.2.5 (4uoc83)  
Database: 127.0.0.1, Study: BLDTA20100914AHF #268, Model: Longley-Rice  
Start: 2023.05.09 15:27:31

Study created: 2023.05.09 15:27:31

Study build station data: LMS TV 2023-05-09

Proposal: KKPM-CD D28 DC LIC YUBA CITY, CA  
File number: BLDTA20100914AHF  
Facility ID: 51930  
Station data: User record  
Record ID: 243  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	76.9 km
Yes	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	170.3
No	KBVU	D28	DT	LIC	EUREKA, CA	BLCDT20130607AAU	249.4
No	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	297.4
Yes	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	170.3
No	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLANK0000200287	382.2
Yes	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLANK0000212264	170.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28  
Mask: Full Service  
Latitude: 39 12 20.00 N (NAD83)  
Longitude: 121 49 14.00 W  
Height AMSL: 699.8 m  
HAAT: 0.0 m  
Peak ERP: 30.0 kW  
Antenna: SUP-CUSTOM PANEL ARRAY (ID 99017) 0.0 deg  
Elev Pattn: Generic

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	29.6 kW	626.2 m	74.2 km
45.0	8.32	622.7	65.4
90.0	0.778	645.8	50.6
135.0	18.5	668.2	71.9
180.0	24.3	682.8	74.2
225.0	2.05	672.3	57.3
270.0	0.029	670.4	30.8
315.0	6.32	659.5	64.5

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 656 m

Distance to Canadian border: 1011.9 km

Distance to Mexican border: 833.1 km

Conditions at FCC monitoring station: Livermore CA  
Bearing: 178.0 degrees Distance: 164.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 80.5 degrees Distance: 1419.1 km

Study cell size: 2.00 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 BLANK0000108410 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPKJ	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	
Undesireds:	KKPM-CD	D28	DC	BL	YUBA CITY, CA	DTVBL51930	170.3 km
	KKPM-CD	D28	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000159177	139.3
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	99.2
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000190993	277.3
	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33248.8	7,884,411	28020.0	6,955,179	25949.2	6,642,007	25949.2 6,642,007	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KKPM-CD	D28 DC BL	20.1	13,445	0.0	0		
KKPM-CD	D28 DC LIC	72.4	14,096			0.0 0	
KDJT-CD	D26 DC LIC	20.0	3,592	8.0	2,811	8.0 2,811	
KTFK-DT	D26 DT LIC	1451.9	274,088	86.9	2,420	86.9 2,420	
KNSO	D27 DT LIC	1324.3	281,375	186.6	21,797	186.6 21,797	
KBTB-CD	D27 DC LIC	1025.6	133,037	112.0	9,023	112.0 9,023	
KMMD-CD	D28 DC LIC	304.4	5,431	228.3	3,509	228.3 3,509	

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 Interference to BLANK0000112987 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	
Undesireds:	KKPM-CD	D28	DC	BL	YUBA CITY, CA	DTVBL51930	170.3 km
	KKPM-CD	D28	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLANK0000200287	338.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
39466.5	8,227,562	33733.2	7,375,199	28912.0	6,792,217	28848.7 6,784,044	0.22 0.12
Undesired		Total IX		Unique IX, before		Unique IX, after	
KKPM-CD	D28 DC BL	2783.7	516,744	1582.7	169,523		
KKPM-CD	D28 DC LIC	2914.6	536,875			1646.0 177,696	
KBTB-CD	D27 DC LIC	20.1	3,082	0.0	0	0.0 0	
KMMD-CD	D28 DC LIC	1998.2	51,785	1854.6	19,443	1850.6 19,443	
KMPH-TV	D28 DT LIC	1327.6	390,829	139.0	45,272	75.4 33,314	

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 Interference to BLANK0000212264 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLANK0000212264	
Undesireds:	KKPM-CD	D28	DC	BL	YUBA CITY, CA	DTVBL51930	170.3 km
	KKPM-CD	D28	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KQMM-CD	D29	DC	CP	SANTA MARIA, CA	BLANK0000127506	375.7
	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	0.0

  

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	39367.1	8,226,463	33582.3	7,360,625	33105.7	7,336,657	33029.3	7,318,324	0.23 0.25

  

Undesired				Total IX		Unique IX, before		Unique IX, after
KKPM-CD D28 DC BL			8.0	81		8.0	81	
KKPM-CD D28 DC LIC			84.4	18,414			84.4	18,414
KMMD-CD D28 DC LIC			452.6	6,883		452.6	6,883	452.6 6,883
KQED D30 DT LIC			15.9	17,004		15.9	17,004	15.9 17,004

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KKPM-CD	D28	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	
Undesireds:	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	76.9 km
	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	170.3

  

	Service area		Terrain-limited		IX-free		Percent IX
	12551.4	1,173,954	12259.8	1,170,433	12223.8	1,169,141	0.29 0.11

  

Undesired				Total IX		Unique IX		Prcnt Unique IX
KBTB-CD D27 DC LIC			4.0	684		0.0	0	0.00 0.00
KBCW D28 DT LIC			36.0	1,292		32.0	608	0.26 0.05