tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Gustine27d9kwELTI0T, Model: Longley-Rice
Start: 2021.07.23 09:55:57

Study created: 2021.07.23 09:55:56

Study build station data: LMS TV 2021-07-22 #29

    Proposal: K41NL-D D27 LD APP GUSTINE, CA
 Facility ID: 186672
Station data: User record
   Record ID: 758
     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	KTVU	D26	LD	LIC	OAKLAND, CA	BLANK0000087000	77.2 km
No	K26MT-D	D26	LD	LIC	PASO ROBLES, CA	BLANK0000088195	174.8
No	KVBC-LP	D26	LD	LIC	REEDLEY, CA	BLDTL20140403ABH	146.2
No	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	61.8
Yes	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	122.1
No	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	257.3
No	KEBK-LD	D27	LD	LIC	BAKERSFIELD, CA	BLANK0000117286	294.6
No	KUCO-LD	D27	LD	LIC	CHICO, CA	BLANK0000069322	312.5
Yes	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	146.3
No	KEDD-LD	D27	LD	CP	LOS ANGELES, CA	BLANK0000054820	412.0
No	KTBV-LD	D27	LD	LIC	LOS ANGELES, CA	BLANK0000133940	345.5
Yes	K27GZ	N27+	TX	LIC	MARIPOSA, CA	BLTT20020221AAJ	100.0
No	KYMB-LD	D27	LD	LIC	MONTEREY, CA	BLANK0000002659	87.9
No	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	428.7
No	K27NX-D	D27	LD	LIC	RIDGECREST, CA	BLANK0000068894	358.6
No	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	156.5
Yes	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	136.5
No	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	313.3

No	K40MV-D	D27	LD	LIC	SUSANVILLE, ETC, CA	BLANK0000063050	366.7
No	K27EE-D	D27	LD	LIC	UKIAH, CA	BLDTL20120509AFS	277.0
Yes	KXNV-LD	D27	LD	CP	INCLINE VILLAGE, NV	BMPDTT20130204AAI	257.1
Yes	KXNV-LD	D27	LD	CP	INCLINE VILLAGE, NV	BDISDTL20110329AAJ	257.0
No	K27OI-D	D27	LD	LIC	MINA / LUNING, NV	BLANK0000071520	297.1
No	K51DJ-D	D27	LD	CP	VERDI/MOGUL, NV	BLANK0000054716	282.7
No	K28MZ-D	D28	LD	CP	NEWMAN, CA	BNPDTL20100513ADV	18.7
No	KQRM-LD	D28z	LD	LIC	PETALUMA, CA	BLANK0000068353	131.9
No	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	87.9
Yes	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	136.5
No	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLCDT20030204AGN	203.7
No	KMPH-TV	D28	DT	CP	VISALIA, CA	BLANK0000035647	203.7
No	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	171.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D27
       Mask: Stringent
   Latitude:  37 11 41.80 N (NAD83)
  Longitude: 121  4 31.30 W
Height AMSL: 81.0 m
       HAAT: 0.0 m
   Peak ERP: 9.00 kW
    Antenna: ELTI-ELTI UHF Panel (ID 1008435) 0.0 deg
Elev Pattrn: Generic
```

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	9.00 kW	34.0 m	29.0 km
45.0	1.81	50.0	25.8
90.0	0.007	51.7	6.8
135.0	0.068	40.9	10.5
180.0	0.022	-31.0	6.9
225.0	0.049	-224.5	8.4

270.0 0.008 -300.0 5.3
315.0 1.93 -59.9 20.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -55 m

Distance to Canadian border: 1242.2 km

Distance to Mexican border: 608.5 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 314.7 degrees Distance: 84.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 71.8 degrees Distance: 1409.1 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 BLCDT20110819ABS LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		122.1 km
	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000147726	0.0
	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV	164.9
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	396.6
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	164.9
	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	184.0

	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	36.3
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	99.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
35381.5	6,977,392	31515.8	5,243,162	30017.4	4,980,411	29943.7	4,974,871	0.25	0.11

Undesired		Total IX	Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	103.7	5,551			73.8	5,540
KOVR D25 DT LIC	33.2	3,286	32.2	3,286	32.2	3,286
KQET D25 DT LIC	5.0	0	0.0	0	0.0	0
KUVI-DT D26 DT LIC	31.0	61	3.0	0	2.0	0
KDJT-CD D26 DC LIC	409.0	17,591	264.9	8,336	264.9	8,336
KREN-TV D26 DT LIC	793.1	213,716	375.7	164,790	360.6	164,783
KBTV-CD D27 DC LIC	101.9	9,118	88.9	8,895	88.9	8,895
KPJK D27 DT LIC	645.4	76,195	275.1	24,474	275.1	24,474

Interference to BLANK0000073456 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		146.3 km
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	356.7
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	244.9
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	277.3
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	287.0
	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLCDT20030204AGN	66.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
34075.1	1,825,003	30391.3	1,806,511	29658.9	1,797,770	29387.9	1,796,967	0.91	0.04

Undesired		Total IX	Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	614.3	1,432			271.0	803
KBTV-CD D27 DC LIC	93.3	182	21.3	0	12.2	0
KPJK D27 DT LIC	416.5	1,032	340.6	850	108.3	408
KEYT-TV D27 DT LIC	4.0	72	1.0	72	1.0	72
KMPH-TV D28 DT LIC	297.5	7,637	290.5	7,637	247.4	7,632

Interference to BLANK0000073456 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		146.3 km
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	356.7
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	244.9
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	277.3
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	287.0
	KMPH-TV	D28	DT	CP	VISALIA, CA	BLANK0000035647	66.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
34075.1	1,825,003	30391.3	1,806,511	29650.9	1,796,155	29380.9	1,795,352	0.91	0.04

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	614.3	1,432		270.0	803		
KBTV-CD D27 DC LIC	93.3	182	21.3	0	12.2	0	
KPJK D27 DT LIC	416.5	1,032	339.6	850	107.3	408	
KEYT-TV D27 DT LIC	4.0	72	1.0	72	1.0	72	
KMPH-TV D28 DT CP	306.5	9,252	298.5	9,252	254.4	9,247	

Interference to BLTT20020221AAJ LIC scenario 1
**IX: 2.73% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K27GZ	N27+	TX	LIC	MARIPOSA, CA	BLTT20020221AAJ	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		100.0 km
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	73.5
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	214.9
	KXNV-LD	D27	LD	CP	INCLINE VILLAGE, NV	BMPDTT20130204AAI	197.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
395.3	2,408	202.2	659	167.6	330	163.5	321	2.43	2.73

Undesired		Total IX	Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	24.4	322			4.1	9
KNSO D27 DT LIC	32.5	329	19.3	16	12.2	16
KPJK D27 DT LIC	15.2	313	2.0	0	0.0	0

Interference to BLANK0000108410 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	139.3
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	99.2
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	277.3
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	135.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
33275.4	7,876,739	27984.8	6,962,343	26047.3	6,668,065	26047.3	6,668,065	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	249.9	104,273			0.0	0
KDJT-CD D26 DC LIC	19.0	4,182	7.0	4,078	7.0	4,078
KTFK-DT D26 DT LIC	1404.0	262,691	86.7	5,512	85.6	5,512
KNSO D27 DT LIC	1238.2	264,612	154.3	19,021	150.2	19,021
KBTV-CD D27 DC LIC	956.9	121,031	94.4	5,663	94.4	5,663
KMMD-CD D28 DC LIC	261.6	2,825	196.7	2,688	196.7	2,688

Interference to BLANK0000108410 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km

	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	139.3
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	99.2
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	277.3
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
33275.4	7,876,739	27984.8	6,962,343	26047.3	6,668,065	26047.3	6,668,065	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	249.9	104,273			0.0	0
KDJT-CD D26 DC LIC	19.0	4,182	7.0	4,078	7.0	4,078
KTFK-DT D26 DT LIC	1404.0	262,691	86.7	5,512	85.6	5,512
KNSO D27 DT LIC	1238.2	264,612	154.3	19,021	150.2	19,021
KBTV-CD D27 DC LIC	956.9	121,031	94.4	5,663	94.4	5,663
KMMD-CD D28 DC LIC	261.6	2,825	196.7	2,688	196.7	2,688
KKPM-CD D28+ DC LIC	20.0	1,957	0.0	0	0.0	0

Interference to BMPDTT20130204AAI CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXNV-LD	D27	LD	CP	INCLINE VILLAGE, NV	BMPDTT20130204AAI	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		257.1 km
	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	0.3
	KUCO-LD	D27	LD	LIC	CHICO, CA	BLANK0000069322	172.4
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	160.9
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	282.4
	K40MV-D	D27	LD	LIC	SUSANVILLE, ETC, CA	BLANK0000063050	132.6
	K51DJ-D	D27	LD	CP	VERDI/MOGUL, NV	BLANK0000054716	30.0
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	153.0
	K28NP-D	D28	LD	CP	RENO, NV	BLANK0000071521	30.3
	K28QI-D	D28	LD	CP	RENO, NV	BNPDTL20090825BON	33.9
	K28PX-D	D28	LD	LIC	STEAD, NV	BLANK0000067486	31.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	

17825.0	645,227	12094.4	514,155	11948.0	507,502	11948.0	507,502	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	2.0	0		0.0		0.0	0
KREN-TV D26 DT LIC	85.7	3,922		72.8	3,432	72.8	3,432
KUCO-LD D27 LD LIC	2.0	0		0.0	0	0.0	0
KBTV-CD D27 DC LIC	12.9	0		3.0	0	3.0	0
KPJK D27 DT LIC	19.9	0		9.0	0	9.0	0
K40MV-D D27 LD LIC	5.0	2		0.0	0	0.0	0
K51DJ-D D27 LD CP	53.7	3,218		30.8	2,092	30.8	2,092
K28NP-D D28 LD CP	1.0	0		0.0	0	0.0	0
K28QI-D D28 LD CP	5.9	637		1.0	3	1.0	3
K28PX-D D28 LD LIC	1.0	0		0.0	0	0.0	0

Interference to BDISDTL20110329AAJ CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXNV-LD	D27	LD	CP	INCLINE VILLAGE, NV	BDISDTL20110329AAJ	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		257.0 km
	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	0.3
	KUCO-LD	D27	LD	LIC	CHICO, CA	BLANK0000069322	172.4
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	160.8
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	282.3
	K40MV-D	D27	LD	LIC	SUSANVILLE, ETC, CA	BLANK0000063050	132.6
	K51DJ-D	D27	LD	CP	VERDI/MOGUL, NV	BLANK0000054716	30.0
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	152.9
	K28NP-D	D28	LD	CP	RENO, NV	BLANK0000071521	30.3
	K28QI-D	D28	LD	CP	RENO, NV	BNPDTL20090825BON	33.9
	K28PX-D	D28	LD	LIC	STEAD, NV	BLANK0000067486	31.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
16114.6	644,051	11140.2	512,072	10961.9	498,121	10961.9	498,121	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	1.0	0		0.0		0.0	0
KREN-TV D26 DT LIC	113.6	6,134		99.7	3,895	99.7	3,895

KUCO-LD D27 LD LIC	1.0	0	0.0	0	0.0	0
KBTV-CD D27 DC LIC	9.0	0	2.0	0	2.0	0
KPJK D27 DT LIC	21.9	0	15.0	0	15.0	0
K40MV-D D27 LD LIC	4.0	2	1.0	0	1.0	0
K51DJ-D D27 LD CP	52.7	9,021	31.8	6,146	31.8	6,146
K28NP-D D28 LD CP	2.0	0	0.0	0	0.0	0
K28QI-D D28 LD CP	7.9	2,159	2.0	1,035	2.0	1,035
K28PX-D D28 LD LIC	1.0	0	0.0	0	0.0	0

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:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KBTV-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	BLCDT20030204AGN	338.6
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	135.9
	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK0000127483	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39447.6	8,226,852	33732.8	7,394,025	29383.2	6,855,502	29383.2	6,855,502	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	4.1	0				0.0	0
KBTV-CD D27 DC LIC	23.1	2,916		0.0	0	0.0	0
KMMD-CD D28 DC LIC	1988.5	55,575		1844.7	23,904	1843.7	23,904
KMPH-TV D28 DT LIC	1283.8	383,662		413.1	111,108	413.1	111,108
KKPM-CD D28+ DC APP	2048.7	403,258		1164.9	122,289	1164.9	122,289

Interference to BLANK0000112987 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	

Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KBTV-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	BLCDT20030204AGN	338.6
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	135.9
	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39447.6	8,226,852	33732.8	7,394,025	29379.2	6,852,665	29379.2	6,852,665	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	4.1	0				0.0	0
KBTV-CD D27 DC LIC	23.1	2,916		0.0	0	0.0	0
KMMD-CD D28 DC LIC	1988.5	55,575		1842.7	23,904	1841.7	23,904
KMPH-TV D28 DT LIC	1283.8	383,662		413.1	111,108	413.1	111,108
KKPM-CD D28+ DC APP	2048.7	403,258		1164.9	122,289	1164.9	122,289
KPIX-TV D29 DT LIC	6.0	2,837		4.0	2,837	4.0	2,837

Interference to BLANK0000112987 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	

Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KBTV-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	BLCDT20030204AGN	338.6
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK0000127483	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39447.6	8,226,852	33732.8	7,394,025	28936.0	6,780,662	28936.0	6,780,662	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	4.1	0				0.0	0
KBTV-CD D27 DC LIC	23.1	2,916		0.0	0	0.0	0
KMMD-CD D28 DC LIC	1988.5	55,575		1840.7	23,945	1839.7	23,945

KMPH-TV D28 DT LIC	1283.8	383,662	151.8	28,681	151.8	28,681
KKPM-CD D28+ DC LIC	2772.2	560,684	1612.1	197,129	1612.1	197,129

Interference to BLANK0000112987 LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KBTV-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	BLCDT20030204AGN	338.6
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39447.6	8,226,852	33732.8	7,394,025	28932.0	6,777,825	28932.0	6,777,825	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	4.1	0				0.0	0
KBTV-CD D27 DC LIC	23.1	2,916		0.0	0	0.0	0
KMMD-CD D28 DC LIC	1988.5	55,575		1838.7	23,945	1837.7	23,945
KMPH-TV D28 DT LIC	1283.8	383,662		151.8	28,681	151.8	28,681
KKPM-CD D28+ DC LIC	2772.2	560,684		1612.1	197,129	1612.1	197,129
KPIX-TV D29 DT LIC	6.0	2,837		4.0	2,837	4.0	2,837

Interference to BLANK0000112987 LIC scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KMPH-TV	D28	DT	CP	VISALIA, CA	BLANK0000035647	338.6
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	135.9

KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA		BLANK0000127483	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39447.6	8,226,852	33732.8	7,394,025	29382.2	6,855,502	29382.2	6,855,502	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	4.1	0				0.0	0
KBTV-CD D27 DC LIC	23.1	2,916		0.0	0	0.0	0
KMMD-CD D28 DC LIC	1988.5	55,575		1845.7	23,937	1844.7	23,937
KMPH-TV D28 DT CP	1320.1	385,361		414.1	111,108	414.1	111,108
KKPM-CD D28+ DC APP	2048.7	403,258		1128.6	120,557	1128.6	120,557

Interference to BLANK0000112987 LIC scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KMPH-TV	D28	DT	CP	VISALIA, CA	BLANK0000035647	338.6
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	135.9
	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39447.6	8,226,852	33732.8	7,394,025	29378.2	6,852,665	29378.2	6,852,665	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	4.1	0				0.0	0
KBTV-CD D27 DC LIC	23.1	2,916		0.0	0	0.0	0
KMMD-CD D28 DC LIC	1988.5	55,575		1843.7	23,937	1842.7	23,937
KMPH-TV D28 DT CP	1320.1	385,361		414.1	111,108	414.1	111,108
KKPM-CD D28+ DC APP	2048.7	403,258		1128.6	120,557	1128.6	120,557
KPIX-TV D29 DT LIC	6.0	2,837		4.0	2,837	4.0	2,837

Interference to BLANK0000112987 LIC scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KMPH-TV	D28	DT	CP	VISALIA, CA	BLANK0000035647	338.6
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK0000127483	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39447.6	8,226,852	33732.8	7,394,025	28936.0	6,780,662	28936.0	6,780,662	0.00	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
K41NL-D D27 LD APP	4.1	0			0.0	0
KBTV-CD D27 DC LIC	23.1	2,916	0.0	0	0.0	0
KMMD-CD D28 DC LIC	1988.5	55,575	1841.7	23,978	1840.7	23,978
KMPH-TV D28 DT CP	1320.1	385,361	151.8	28,681	151.8	28,681
KKPM-CD D28+ DC LIC	2772.2	560,684	1574.8	195,397	1574.8	195,397

Interference to BLANK0000112987 LIC scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	
Undesireds:	K41NL-D	D27	LD	APP	GUSTINE, CA		136.5 km
	KBTV-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KMPH-TV	D28	DT	CP	VISALIA, CA	BLANK0000035647	338.6
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLCDT20091112AIZ	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39447.6	8,226,852	33732.8	7,394,025	28932.0	6,777,825	28932.0	6,777,825	0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after

K41NL-D D27 LD APP	4.1	0			0.0	0
KBTV-CD D27 DC LIC	23.1	2,916	0.0	0	0.0	0
KMMD-CD D28 DC LIC	1988.5	55,575	1839.7	23,978	1838.7	23,978
KMPH-TV D28 DT CP	1320.1	385,361	151.8	28,681	151.8	28,681
KKPM-CD D28+ DC LIC	2772.2	560,684	1574.8	195,397	1574.8	195,397
KPIX-TV D29 DT LIC	6.0	2,837	4.0	2,837	4.0	2,837

Interference to proposal scenario 1
97.86% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K41NL-D	D27	LD	APP	GUSTINE, CA		
Undesireds:	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	146.3 km
	K27GZ	N27+	TX	LIC	MARIPOSA, CA	BLTT20020221AAJ	100.0
	KXNV-LD	D27	LD	CP	INCLINE VILLAGE, NV	BMPDTT20130204AAI	257.1
	K28MZ-D	D28	LD	CP	NEWMAN, CA	BNPDTL20100513ADV	18.7

Service area		Terrain-limited		IX-free		Percent IX	
899.7	22,499	863.8	22,498	212.6	482	75.39	97.86

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KNSO D27 DT LIC	649.2	22,016	622.8	21,827	72.10	97.02
K27GZ N27+ TX LIC	11.1	0	2.0	0	0.23	0.00
K28MZ-D D28 LD CP	17.3	189	0.0	0	0.00	0.00