

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: aaSalinas33d15kw750Kat5F, Model: Longley-Rice

Start: 2021.03.15 10:40:36

Study created: 2021.03.15 10:40:36

Study build station data: LMS TV 2021-03-15

Proposal: K33QN-D D33 LD APP SALINAS, CA

Facility ID: 182665

Station data: User record

Record ID: 1956

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	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	209.9 km
Yes	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	0.1
Yes	KION-TV	D32	DT	LIC	MONTEREY, CA	BLC DT20030604ACO	0.1
Yes	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	154.4
No	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	156.7
No	KFKK-LD	D32	LD	LIC	STOCKTON, CA	BLANK0000068461	134.7
No	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLC DT20060628ABK	297.7
No	KGOF-LD	D33-	LD	LIC	FRESNO, CA	BLANK0000093725	203.7
No	K33MZ-D	D33	LD	CP	GUSTINE, CA	BNPDTL20100513ADO	87.9
No	KCCF-LD	D33	LD	CP	Los osos, CA	BLANK0000053000	157.1
No	KSRW-LP	N33-	TX	LIC	MAMMOTH LAKES, ETC., CA	BLTTTL20000121ABA	301.4
No	K33NA-D	D33	LD	CP	ORLAND, CA	BNPDTL20100514AAE	350.1
No	K33ID-D	D33	LD	LIC	RIDGECREST, CA	BLDTT20080401AUW	372.9
No	KMSX-LD	D33	LD	CP	SACRAMENTO, CA	BLANK0000052053	241.9
Yes	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	147.1
No	KTBN-TV	D33	DT	LIC	SANTA ANA, CA	BLC DT20091019ABG	412.1
No	K33MO-D	D33	LD	CP	SANTA BARBARA, CA	BNPDTL20100429ADB	289.4
No	K33GZ-D	D33	LD	LIC	HAWTHORNE, NV	BLDTT20110630AAM	330.6

No	KNPB	D33	LD	LIC	RENO, NV	BLEDT20111026AAC	317.9
No	K33ER-D	D33	LD	LIC	VERDI/MOGUL, NV	BLDTT20140618ABM	368.7
No	K33ER-D	D33	LD	CP	VERDI/MOGUL, NV	BDFCDTT20080922AEY	368.7
No	KGPE	D34	DT	LIC	FRESNO, CA	BLCDT20030702ABJ	204.1
No	KACA-LD	D34	LD	LIC	MODESTO, CA	BLDTL20140602AAB	137.9
No	KEZT-CD	D34	DC	LIC	SACRAMENTO, CA	BLANK0000115780	226.2
Yes	K34LR-D	D34	LD	LIC	SALINAS, CA	BLDTL20140221AAB	0.7
No	KTAS	D34	DT	LIC	SAN LUIS OBISPO, CA	BLCDT20070222AAX	156.7
No	KFSF-DT	D34	DT	LIC	VALLEJO, CA	BLCDT20100513ABB	154.4
Yes	KFSF-DT	D34	DT	CP	VALLEJO, CA	BLANK0000035847	154.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33
 Mask: Full Service
 Latitude: 36 32 5.00 N (NAD83)
 Longitude: 121 37 12.70 W
 Height AMSL: 1053.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: KAT 750 5.0 deg
 Elev Pattnr: Generic

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.5 kW	995.8 m	76.3 km
45.0	3.90	986.2	66.4
90.0	0.078	934.2	40.1
135.0	0.004	211.9	11.5
180.0	0.000	555.1	2.4
225.0	0.002	636.1	16.1
270.0	0.028	777.4	31.6
315.0	1.71	808.0	57.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 738 m

Distance to Canadian border: 1308.7 km

Distance to Mexican border: 580.4 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 354.9 degrees Distance: 132.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 69.4 degrees Distance: 1479.2 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 BLANK0000035685 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	
Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		0.1 km
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK00000107584	154.4
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK00000063002	210.0
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK00000108769	154.4
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK00000068200	156.8
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK00000108766	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	
K33QN-D D33 LD APP	2.0	0			0.0	0
KTVU D31 DT LIC	102.8	65,894	0.0	0	0.0	0
KVPT D32 DT LIC	337.4	140	195.3	30	195.3	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	109.8	38
KKPX-TV D33 DT LIC	102.7	68,862	8.0	439	8.0	439

Interference to BLCDT20030604ACO LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	
Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		0.1 km
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK00000107584	154.4
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	210.0
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK00000108769	154.4
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	156.8
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK00000108766	147.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	24776.4	2,398,351	16688.7	860,287	15661.4	805,553	0.03 0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
K33QN-D D33 LD APP	10.0	0			5.0	0
KTVU D31 DT LIC	61.2	16,925	0.0	0	0.0	0
KVPT D32 DT LIC	256.3	335	169.9	292	166.9	292
KCNS D32 DT LIC	740.7	53,928	578.1	30,352	577.1	30,352
K32LT-D D32 DC LIC	146.8	6,067	96.6	75	96.6	75
KKPX-TV D33 DT LIC	64.2	17,223	5.0	439	5.0	439

Interference to BLANK00000108769 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK00000108769	

Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		154.4 km
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	302.1
	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	154.4
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	310.8
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	7.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
37137.4 8,273,034	31277.1 7,345,338	27009.8 6,951,330	27009.8 6,951,330	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K33QN-D D33 LD APP 9.0	96		0.0 0
KVPT D32 DT LIC 1032.8	301,794	880.8 266,957	880.8 266,957
KION-TV D32 DT CP 3169.8	96,349	2993.7 61,301	2988.7 61,205
K32LT-D D32 DC LIC 5.0	0	0.0 0	0.0 0
KKPX-TV D33 DT LIC 241.8	30,913	214.7 30,702	214.7 30,702

Interference to BLANK0000108769 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	

Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		154.4 km
	KVPT	D32	DT	LIC	FRESNO, CA	BLANK0000063002	302.1
	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	154.4
	K32LT-D	D32	DC	LIC	SAN LUIS OBISPO, CA	BLANK0000068200	310.8
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	7.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
37137.4 8,273,034	31277.1 7,345,338	27671.8 6,970,484	27671.8 6,970,484	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K33QN-D D33 LD APP 9.0	96		0.0 0
KVPT D32 DT LIC 1032.8	301,794	943.4 290,524	943.4 290,524
KION-TV D32 DT LIC 2438.2	53,628	2331.7 42,147	2326.7 42,051
K32LT-D D32 DC LIC 5.0	0	0.0 0	0.0 0
KKPX-TV D33 DT LIC 241.8	30,913	220.7 30,702	220.7 30,702

Interference to BLANK0000108766 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	
Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		147.1 km
	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	147.0
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	7.7
	KEZT-CD	D34	DC	LIC	SACRAMENTO, CA	BLANK0000115780	128.5
	KFSF-DT	D34	DT	LIC	VALLEJO, CA	BLCDT20100513ABB	7.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	28950.8	7,593,388	24077.3	6,758,943	22882.5	6,607,761	22248.0 6,580,286 2.77 0.42
Undesired					Total IX	Unique IX, before	Unique IX, after
K33QN-D D33 LD APP		982.6			34,448	634.5	27,475
KION-TV D32 DT CP		182.7			3,598	182.7	3,598 1.0 0
KCNS D32 DT LIC		674.2			128,912	191.4	56,675 163.5 56,675
KEZT-CD D34 DC LIC		309.7			11,474	298.6	11,425 287.6 8,094
KFSF-DT D34 DT LIC		512.1			79,435	39.3	7,247 36.3 7,247

Interference to BLANK0000108766 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	
Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		147.1 km
	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	147.0
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	7.7
	KEZT-CD	D34	DC	LIC	SACRAMENTO, CA	BLANK0000115780	128.5
	KFSF-DT	D34	DT	LIC	VALLEJO, CA	BLCDT20100513ABB	7.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	28950.8	7,593,388	24077.3	6,758,943	22982.3	6,609,163	22249.0 6,580,286 3.19 0.44

Undesired			Total IX	Unique IX, before		Unique IX, after	
K33QN-D D33 LD APP	982.6		34,448			733.3	28,877
KION-TV D32 DT LIC	82.9		2,196	82.9	2,196	0.0	0
KCNS D32 DT LIC	674.2		128,912	191.4	56,675	163.5	56,675
KEZT-CD D34 DC LIC	309.7		11,474	298.6	11,425	287.6	8,094
KFSF-DT D34 DT LIC	512.1		79,435	39.3	7,247	36.3	7,247

Interference to BLANK0000108766 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	
Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		147.1 km
	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	147.0
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	7.7
	KEZT-CD	D34	DC	LIC	SACRAMENTO, CA	BLANK0000115780	128.5
	KFSF-DT	D34	DT	CP	VALLEJO, CA	BLANK0000035847	7.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	28950.8	7,593,388	24077.3	6,758,943	22826.2	6,552,944	2.77 0.42

Undesired			Total IX	Unique IX, before		Unique IX, after	
K33QN-D D33 LD APP	982.6		34,448			631.5	27,475
KION-TV D32 DT CP	182.7		3,598	182.7	3,598	1.0	0
KCNS D32 DT LIC	674.2		128,912	91.7	36,797	81.7	36,797
KEZT-CD D34 DC LIC	309.7		11,474	298.6	11,425	287.6	8,094
KFSF-DT D34 DT CP	670.2		126,662	95.7	34,589	89.6	34,589

Interference to BLANK0000108766 LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	
Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		147.1 km
	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDDT20030604ACO	147.0
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	7.7

KEZT-CD	D34	DC	LIC	SACRAMENTO, CA	BLANK0000115780	128.5
KFSF-DT	D34	DT	CP	VALLEJO, CA	BLANK0000035847	7.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28950.8	7,593,388	24077.3	6,758,943	22926.0	6,581,821	22195.7	6,552,944	3.19 0.44

Undesired		Total IX		Unique IX, before		Unique IX, after
K33QN-D D33 LD APP	982.6	34,448			730.3	28,877
KION-TV D32 DT LIC	82.9	2,196	82.9	2,196	0.0	0
KCNS D32 DT LIC	674.2	128,912	91.7	36,797	81.7	36,797
KEZT-CD D34 DC LIC	309.7	11,474	298.6	11,425	287.6	8,094
KFSF-DT D34 DT CP	670.2	126,662	95.7	34,589	89.6	34,589

Interference to BLDTL20140221AAB LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K34LR-D	D34	LD	LIC	SALINAS, CA	BLDTL20140221AAB	
Undesireds: K33QN-D	D33	LD	APP	SALINAS, CA		0.7 km
KGPE	D34	DT	LIC	FRESNO, CA	BLCDT20030702ABJ	204.5
KACA-LD	D34	LD	LIC	MODESTO, CA	BLDTL20140602AAB	137.7
KTAS	D34	DT	LIC	SAN LUIS OBISPO, CA	BLCDT20070222AAX	157.3
KFSF-DT	D34	DT	LIC	VALLEJO, CA	BLCDT20100513ABB	153.8
K14SI-D	D35	LD	CP	MONTEREY, CA	BLANK0000127704	26.6
KGO-TV	D35	LD	LIC	SAN FRANCISCO, CA	BLCDT20111201NYO	109.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
5726.7	516,729	4302.8	397,688	4177.7	396,010	4172.6	395,996	0.12 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
K33QN-D D33 LD APP	5.0	14			5.0	14
KGPE D34 DT LIC	42.0	0	33.0	0	33.0	0
KACA-LD D34 LD LIC	6.0	0	2.0	0	2.0	0
KTAS D34 DT LIC	15.1	0	9.0	0	9.0	0
KFSF-DT D34 DT LIC	73.1	1,678	63.1	1,678	63.1	1,678
K14SI-D D35 LD CP	4.0	0	4.0	0	4.0	0
KGO-TV D35 LD LIC	1.0	0	1.0	0	1.0	0

Interference to BLDTL20140221AAB LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K34LR-D	D34	LD	LIC	SALINAS, CA	BLDTL20140221AAB	
Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		0.7 km
	KGPE	D34	DT	LIC	FRESNO, CA	BLCDT20030702ABJ	204.5
	KACA-LD	D34	LD	LIC	MODESTO, CA	BLDTL20140602AAB	137.7
	KTAS	D34	DT	LIC	SAN LUIS OBISPO, CA	BLCDT20070222AAX	157.3
	KFSF-DT	D34	DT	CP	VALLEJO, CA	BLANK0000035847	153.8
	K14SI-D	D35	LD	CP	MONTEREY, CA	BLANK0000127704	26.6
	KGO-TV	D35	LD	LIC	SAN FRANCISCO, CA	BLCDT20111201NYO	109.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	5726.7	516,729	4302.8	397,688	4151.6	391,164	0.12 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K33QN-D D33 LD APP		5.0		14		5.0	14
KGPE D34 DT LIC		42.0		0	33.0 0	33.0	0
KACA-LD D34 LD LIC		6.0		0	2.0 0	2.0	0
KTAS D34 DT LIC		15.1		0	8.0 0	8.0	0
KFSF-DT D34 DT CP		100.1		6,524	89.1 6,524	89.1	6,524
K14SI-D D35 LD CP		4.0		0	4.0 0	4.0	0
KGO-TV D35 LD LIC		1.0		0	1.0 0	1.0	0

Interference to BLANK0000035847 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KFSF-DT	D34	DT	CP	VALLEJO, CA	BLANK0000035847	
Undesireds:	K33QN-D	D33	LD	APP	SALINAS, CA		154.4 km
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	7.7
	KGPE	D34	DT	LIC	FRESNO, CA	BLCDT20030702ABJ	277.8
	KEZT-CD	D34	DC	LIC	SACRAMENTO, CA	BLANK0000115780	123.9
	KTAS	D34	DT	LIC	SAN LUIS OBISPO, CA	BLCDT20070222AAX	310.7

KCRA-TV D35 DT LIC SACRAMENTO, CA BMLCDT20110630AGB 101.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
35313.7 7,676,263	29404.5 6,699,618	27478.9 6,413,096	27478.9 6,413,096	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K33QN-D D33 LD APP 1.0	0	0.0	0
KKPX-TV D33 DT LIC 155.2	29,648	141.1 29,648	141.1 29,648
KGPE D34 DT LIC 647.8	79,618	86.4 16,926	85.4 16,926
KEZT-CD D34 DC LIC 1285.9	168,195	60.5 15,988	60.5 15,988
KTAS D34 DT LIC 15.1	165	7.0 165	7.0 165
KCRA-TV D35 DT LIC 1595.2	222,939	331.5 65,897	331.5 65,897

Interference to proposal scenario 1
5.77% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: K33QN-D	D33	LD	APP	SALINAS, CA		
Undesireds: KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	0.1 km
KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	154.4
KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	297.7
KGOF-LD	D33-	LD	LIC	FRESNO, CA	BLANK0000093725	203.7
K33MZ-D	D33	LD	CP	GUSTINE, CA	BNPDTL20100513ADO	87.9
KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	147.1
K33ER-D	D33	LD	LIC	VERDI/MOGUL, NV	BLDTT20140618ABM	368.7
K34LR-D	D34	LD	LIC	SALINAS, CA	BLDTL20140221AAB	0.7
KFSF-DT	D34	DT	LIC	VALLEJO, CA	BLCDT20100513ABB	154.4

Service area	Terrain-limited	IX-free	Percent IX
6538.5 722,207	5070.8 587,359	4648.8 553,482	8.32 5.77

Undesired	Total IX	Unique IX	Prcnt Unique IX
KION-TV D32 DT CP 281.2	27,129	257.2 26,344	5.07 4.49
KCNS D32 DT LIC 1.0	0	0.0 0	0.00 0.00
KBAK-TV D33 DT LIC 2.0	0	0.0 0	0.00 0.00
KGOF-LD D33- LD LIC 9.0	0	2.0 0	0.04 0.00

K33MZ-D	D33	LD	CP	1.0	0	0.0	0	0.00	0.00
KKPX-TV	D33	DT	LIC	120.8	6,022	99.8	3,539	1.97	0.60
K34LR-D	D34	LD	LIC	49.0	3,363	28.0	1,357	0.55	0.23
KFSF-DT	D34	DT	LIC	1.0	0	0.0	0	0.00	0.00

Interference to proposal scenario 2
2.84% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K33QN-D	D33	LD	APP	SALINAS, CA		
Undesireds:	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	0.1 km
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK00000108769	154.4
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	297.7
	KGOF-LD	D33-	LD	LIC	FRESNO, CA	BLANK0000093725	203.7
	K33MZ-D	D33	LD	CP	GUSTINE, CA	BNPDTL20100513ADO	87.9
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK00000108766	147.1
	K33ER-D	D33	LD	LIC	VERDI/MOGUL, NV	BLDTT20140618ABM	368.7
	K34LR-D	D34	LD	LIC	SALINAS, CA	BLDTL20140221AAB	0.7
	KFSF-DT	D34	DT	LIC	VALLEJO, CA	BLCDT20100513ABB	154.4

Service area	Terrain-limited	IX-free	Percent IX
6538.5	722,207	570,671	6.05 2.84

Undesired	Total IX	Unique IX	Prcnt Unique IX
KION-TV D32 DT LIC	156.8	9,609	141.7
KKPX-TV D33 DT LIC	1.0	0	0.0
KBAK-TV D33 DT LIC	2.0	0	0.0
KGOF-LD D33- LD LIC	9.0	0	2.0
K33MZ-D D33 LD CP	1.0	0	0.0
KKPX-TV D33 DT LIC	120.8	6,022	103.8
K34LR-D D34 LD LIC	49.0	3,363	32.0
KFSF-DT D34 DT LIC	1.0	0	0.0

Interference to proposal scenario 3
5.77% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K33QN-D	D33	LD	APP	SALINAS, CA		
Undesireds:	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	0.1 km
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	154.4
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	297.7
	KGOF-LD	D33-	LD	LIC	FRESNO, CA	BLANK0000093725	203.7
	K33MZ-D	D33	LD	CP	GUSTINE, CA	BNPDTL20100513ADO	87.9
	KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK0000108766	147.1
	K33ER-D	D33	LD	LIC	VERDI/MOGUL, NV	BLDTT20140618ABM	368.7
	K34LR-D	D34	LD	LIC	SALINAS, CA	BLDTL20140221AAB	0.7
	KFSF-DT	D34	DT	CP	VALLEJO, CA	BLANK0000035847	154.4

Service area	Terrain-limited	IX-free	Percent IX
6538.5 722,207	5070.8 587,359	4648.8 553,482	8.32 5.77

Undesired	Total IX	Unique IX	Prcnt Unique IX
KION-TV D32 DT CP 281.2	27,129	257.2	26,344 5.07 4.49
KCNS D32 DT LIC 1.0	0	0.0	0 0.00 0.00
KBAK-TV D33 DT LIC 2.0	0	0.0	0 0.00 0.00
KGOF-LD D33- LD LIC 9.0	0	2.0	0 0.04 0.00
K33MZ-D D33 LD CP 1.0	0	0.0	0 0.00 0.00
KKPX-TV D33 DT LIC 120.8	6,022	99.8	3,539 1.97 0.60
K34LR-D D34 LD LIC 49.0	3,363	28.0	1,357 0.55 0.23
KFSF-DT D34 DT CP 1.0	0	0.0	0 0.00 0.00

Interference to proposal scenario 4
2.84% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K33QN-D	D33	LD	APP	SALINAS, CA		
Undesireds:	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	0.1 km
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	154.4
	KBAK-TV	D33	DT	LIC	BAKERSFIELD, CA	BLCDT20060628ABK	297.7
	KGOF-LD	D33-	LD	LIC	FRESNO, CA	BLANK0000093725	203.7

K33MZ-D	D33	LD	CP	GUSTINE, CA	BNPDTL20100513ADO	87.9
KKPX-TV	D33	DT	LIC	SAN JOSE, CA	BLANK00000108766	147.1
K33ER-D	D33	LD	LIC	VERDI/MOGUL, NV	BLDTT20140618ABM	368.7
K34LR-D	D34	LD	LIC	SALINAS, CA	BLDTL20140221AAB	0.7
KFSF-DT	D34	DT	CP	VALLEJO, CA	BLANK00000035847	154.4

Service area		Terrain-limited			IX-free		Percent IX
6538.5	722,207	5070.8	587,359	4764.2	570,671	6.05	2.84

Undesired			Total IX		Unique IX	Prcnt Unique IX	
KION-TV D32 DT LIC	156.8		9,609	141.7	9,155	2.80	1.56
KCNS D32 DT LIC	1.0		0	0.0	0	0.00	0.00
KBAK-TV D33 DT LIC	2.0		0	0.0	0	0.00	0.00
KGOF-LD D33- LD LIC	9.0		0	2.0	0	0.04	0.00
K33MZ-D D33 LD CP	1.0		0	0.0	0	0.00	0.00
KKPX-TV D33 DT LIC	120.8		6,022	103.8	3,716	2.05	0.63
K34LR-D D34 LD LIC	49.0		3,363	32.0	1,511	0.63	0.26
KFSF-DT D34 DT CP	1.0		0	0.0	0	0.00	0.00