

tvstudy v2.2.5 (4uoc83)
 Database: localhost, Study: BLANK0000034944 -- KCNZ Ch21 ATC Twr9 91dRot 59.4mAGL 15.0kW -2 0.5-0.1km
 CPexclBaseline, Model: Longley-Rice
 Start: 2019.07.28 15:09:39

Study created: 2019.07.28 15:09:39

Study build station data: LMS TV 7-28-2019

Proposal: KCNZ-CD D21z DC CP SAN FRANCISCO, CA
 File number: BLANK0000034944 -- KCNZ Ch21 ATC Twr9 91dRot 59.4mAGL 15.0kW -2
 Facility ID: 52887
 Station data: User record
 Record ID: 447
 Country: U.S.

Build options:
 Protect LPTV records from Class A

Search options:
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K2000-D	D20	LD	CP	CERES, CA	BLANK0000072037	139.2 km
No	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	274.5
No	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	161.3
No	K20JX-D	D20	DC	APP	SACRAMENTO, CA	BLANK0000073020	158.3
No	K20JX-D	D20	DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	160.4
Yes	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	53.8
Yes	KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK0000016657	53.8
Yes	KSCZ-LD	D20	LD	APP	SAN JOSE-SAN FRANCIS, CA	BLANK0000056337	53.8
Yes	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	273.9
Yes	KMUV-LD	D21	LD	LIC	MONTEREY, CA	BLANK0000072057	132.3
No	KRVU-LD	D21	LD	LIC	REDDING, CA	BLDTL20091019AAB	329.9
Yes	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	102.8
No	KPMR	D21	DT	LIC	SANTA BARBARA, CA	BLCDDT20110607ABB	415.8
No	KPMR	D21	DT	APP	SANTA BARBARA, CA	BPCDDT20120817ABD	415.1
Yes	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	110.5
No	K2100-D	D21	LD	LIC	SOUTH EUREKA, LOLETA, CA	BLANK0000068040	369.6
No	K21CD-D	D21	LD	LIC	UKIAH, CA	BLDTT20120201ALL	169.0
No	KRXI-TV	D21	LD	LIC	RENO, NV	BLCDDT20140116ABJ	286.0
No	K22LI-D	D22	LD	CP	NEWMAN, CA	BNPDTL20100513ADU	127.2
Yes	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	104.2
Yes	KSPX-TV	D22	DT	BL	SACRAMENTO, CA	DTVBL52953	104.8
No	KLFB-LD	D22	LD	CP	SALINAS, CA	BPDTL20120425AAW	147.0
No	KLFB-LD	D22	LD	LIC	SALINAS, CA	BLDTL20101005ABL	147.9
Yes	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK0000034505	53.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21z
 Mask: Full Service
 Latitude: 37 41 12.30 N (NAD83)
 Longitude: 122 26 7.30 W
 Height AMSL: 449.5 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: RFS PEPL5U-CM4 91.0 deg
 Elev Pattern: Generic
 Elec Tilt: 1.00

49.5 dBu contour:
 Azimuth ERP HAAT Distance
 0.0 deg 2.34 kW 400.1 m 52.0 km

45.0	14.3	441.7	64.3
90.0	10.1	449.4	62.5
135.0	13.9	445.9	64.3
180.0	2.44	264.8	45.8
225.0	0.033	418.3	27.3
270.0	0.017	431.4	24.4
315.0	0.039	430.5	28.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 410 m

Distance to Canadian border: 1174.7 km

Distance to Mexican border: 724.4 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 85.7 degrees Distance: 60.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 74.3 degrees Distance: 1508.1 km

No land mobile station failures found

Study cell size: 0.50 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000034452 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance				
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452					
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km				
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8				
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	307.3				
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	221.5				
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	152.9				
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	293.6				
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	89.3				
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	146.0				
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX			
36503.8		7,941,836		30894.9		7,045,131		29333.1			
								6,743,284			
								29318.4			
								6,744,304			
								0.05			
								-0.02			
Undesired				Total IX	Unique IX, before	Unique IX, after					
KCNZ-CD D21 DC BL				44.0	32,461	31.7	30,401				
KCNZ-CD D21z DC CP				60.4	32,772	46.3	29,381				
KNVN D20 DT CP				428.6	76,179	2.7	1,611				
KSEE D20 DT CP				1331.3	190,776	426.5	22,829				
K20JX-D D20 DC CP				784.4	176,743	39.3	14,359				
KSPX-TV D21 DT CP				1010.8	217,185	50.1	33,813				
KDTV-CD D21 DC CP				27.4	12,487	25.4	11,899				

Interference to BLANK0000034452 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	307.3
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	221.5

K20JX-D	D20	DC	APP	SACRAMENTO, CA	BLANK0000073020	144.5
KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	293.6
KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	89.3
KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	146.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
36503.8	7,941,836	30894.9	7,045,131	29310.4	6,748,135	29295.5	6,749,155	0.05 -0.02

Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	44.0	32,461	34.2	30,401
KCNZ-CD D21z DC CP	60.4	32,772		49.1 29,381
KNVN D20 DT CP	428.6	76,179	3.2	1,973 3.2 1,973
KSEE D20 DT CP	1331.3	190,776	427.2	23,189 426.5 23,189
K20JX-D D20 DC APP	901.7	205,990	62.0	9,508 62.0 9,508
KSPX-TV D21 DT CP	1010.8	217,185	29.1	10,442 29.1 10,442
KDTV-CD D21 DC CP	27.4	12,487	25.4	11,899 24.9 10,568

Interference to BLANK0000034452 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	307.3
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	221.5
	K20JX-D	D20	DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	155.9
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	293.6
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	89.3
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	146.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
36503.8	7,941,836	30894.9	7,045,131	29365.4	6,755,817	29350.5	6,756,837	0.05 -0.02

Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	44.0	32,461	35.2	30,497
KCNZ-CD D21z DC CP	60.4	32,772		50.1 29,477
KNVN D20 DT CP	428.6	76,179	2.7	1,973 2.7 1,973
KSEE D20 DT CP	1331.3	190,776	434.9	23,602 434.2 23,602
K20JX-D D20 DC LIC	343.0	35,689	6.9	1,826 6.9 1,826
KSPX-TV D21 DT CP	1010.8	217,185	73.6	51,700 73.6 51,700
KDTV-CD D21 DC CP	27.4	12,487	25.4	11,899 24.9 10,568

Interference to BLANK0000016657 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK0000016657	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8
	KSTS	D19	DT	CP	SAN JOSE, CA	BLANK0000034597	0.1
	KMBY-LD	D19	LD	LIC	TEMPLETON, CA	BLDTL20100520ADV	109.1
	K2000-D	D20	LD	CP	CERES, CA	BLANK0000072037	88.0
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	307.2
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	221.5
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	152.9
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	0.1
	K20FR-D	D20	LD	CP	HAWTHORNE, NV	BMPDPT20090521ADK	292.7
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	293.5
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	89.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
8627.7	5,132,811	6907.0	4,559,280	4121.8	1,044,737	4121.8	1,044,737	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	2.2	1,488	0.2	0
KCNZ-CD D21z DC CP	2.4	2,203		0.2 0
KSTS D19 DT CP	129.6	121,555	0.0	0 0.0 0

KMBY-LD D19 LD LIC	1.5	0	0.5	0	0.5	0
K2000-D D20 LD CP	2.9	213	0.0	0	0.0	0
KNVN D20 DT CP	0.2	0	0.0	0	0.0	0
KSEE D20 DT CP	5.8	213	0.7	0	0.7	0
K20JX-D D20 DC CP	3.6	11	0.2	11	0.2	11
KDTV-DT D20 DT CP	2783.5	3,514,532	2646.1	3,392,699	2646.1	3,392,699
KSPX-TV D21 DT CP	1.5	0	0.0	0	0.0	0

Interference to BLANK0000016657 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK0000016657	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8
	KSTS	D19	DT	CP	SAN JOSE, CA	BLANK0000034597	0.1
	KMBY-LD	D19	LD	LIC	TEMPLETON, CA	BLDTL20100520ADV	109.1
	K2000-D	D20	LD	CP	CERES, CA	BLANK0000072037	88.0
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	307.2
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	221.5
	K20JX-D	D20	DC	APP	SACRAMENTO, CA	BLANK0000073020	144.5
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	0.1
	K20FR-D	D20	LD	CP	HAWTHORNE, NV	BMPDTT20090521ADK	292.7
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	293.5
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	89.2

	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	8627.7 5,132,811		6907.0 4,559,280		4121.8 1,044,737	4121.8 1,044,737	0.00 0.00
Undesired			Total IX		Unique IX, before	Unique IX, after	
KCNZ-CD D21 DC BL	2.2		1,488		0.2	0	
KCNZ-CD D21z DC CP	2.4		2,203			0.2	0
KSTS D19 DT CP	129.6		121,555		0.0	0.0	0
KMBY-LD D19 LD LIC	1.5		0		0.5	0.5	0
K2000-D D20 LD CP	2.9		213		0.0	0.0	0
KNVN D20 DT CP	0.2		0		0.0	0.0	0
KSEE D20 DT CP	5.8		213		0.7	0.7	0
K20JX-D D20 DC APP	4.1		11		0.2	0.2	11
KDTV-DT D20 DT CP	2783.5		3,514,532		2646.1 3,392,699	2646.1 3,392,699	
KSPX-TV D21 DT CP	1.5		0		0.0	0.0	0

Interference to BLANK0000016657 LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK0000016657	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8
	KSTS	D19	DT	CP	SAN JOSE, CA	BLANK0000034597	0.1
	KMBY-LD	D19	LD	LIC	TEMPLETON, CA	BLDTL20100520ADV	109.1
	K2000-D	D20	LD	CP	CERES, CA	BLANK0000072037	88.0
	KNVN	D20	DT	CP	CHICO, CA	BLANK0000034865	307.2
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	221.5
	K20JX-D	D20	DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	155.9
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	0.1
	K20FR-D	D20	LD	CP	HAWTHORNE, NV	BMPDTT20090521ADK	292.7
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	293.5
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	89.2

	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	8627.7 5,132,811		6907.0 4,559,280		4122.0 1,044,748	4122.0 1,044,748	0.00 0.00
Undesired			Total IX		Unique IX, before	Unique IX, after	
KCNZ-CD D21 DC BL	2.2		1,488		0.2	0	
KCNZ-CD D21z DC CP	2.4		2,203			0.2	0
KSTS D19 DT CP	129.6		121,555		0.0	0.0	0
KMBY-LD D19 LD LIC	1.5		0		0.5	0.5	0
K2000-D D20 LD CP	2.9		213		0.0	0.0	0

KNVN D20 DT CP	0.2	0	0.0	0	0.0	0
KSEE D20 DT CP	5.8	213	0.7	0	0.7	0
K20JX-D D20 DC LIC	2.2	0	0.0	0	0.0	0
KDTV-DT D20 DT CP	2783.5	3,514,532	2647.3	3,392,699	2647.3	3,392,699
KSPX-TV D21 DT CP	1.5	0	0.0	0	0.0	0

Interference to BLANK000056337 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSCZ-LD	D20	LD	APP	SAN JOSE-SAN FRANCIS, CA	BLANK000056337	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK000034944 -- KCN	53.8
	KSTS	D19	DT	CP	SAN JOSE, CA	BLANK000034597	0.1
	KMBY-LD	D19	LD	LIC	TEMPLETON, CA	BLDTL20100520ADV	109.1
	K2000-D	D20	LD	CP	CERES, CA	BLANK000072037	88.0
	KSEE	D20	DT	CP	FRESNO, CA	BLANK000029688	221.5
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK000036141	152.9
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK000034452	0.1
	K20FR-D	D20	LD	CP	HAWTHORNE, NV	BMPDTT20090521ADK	292.7
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK000001059	293.5
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK000068563	89.2

Service area	11742.9	5,645,065	Terrain-limited	8350.2	4,906,157	IX-free, before	4989.8	1,137,937	IX-free, after	4989.5	1,137,937	Percent New IX	0.00	0.00
Undesired			Total IX			Unique IX, before			Unique IX, after					
KCNZ-CD D21 DC BL			3.6		2,876	0.0	0							
KCNZ-CD D21z DC CP			2.2		5,724				0.2		0			
KSTS D19 DT CP			65.5		75,357	0.0	0		0.0		0			
KMBY-LD D19 LD LIC			7.1		237	0.5	30		0.5		30			
K2000-D D20 LD CP			9.7		6	0.0	0		0.0		0			
KSEE D20 DT CP			38.4		1,077	0.7	0		0.7		0			
K20JX-D D20 DC CP			7.2		313	0.5	0		0.5		0			
KDTV-DT D20 DT CP			3357.8		3,768,190	3245.7	3,688,673		3245.5		3,685,825			
KSPX-TV D21 DT CP			1.0		0	0.0	0		0.0		0			

Interference to BLANK000056337 APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSCZ-LD	D20	LD	APP	SAN JOSE-SAN FRANCIS, CA	BLANK000056337	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK000034944 -- KCN	53.8
	KSTS	D19	DT	CP	SAN JOSE, CA	BLANK000034597	0.1
	KMBY-LD	D19	LD	LIC	TEMPLETON, CA	BLDTL20100520ADV	109.1
	K2000-D	D20	LD	CP	CERES, CA	BLANK000072037	88.0
	KSEE	D20	DT	CP	FRESNO, CA	BLANK000029688	221.5
	K20JX-D	D20	DC	APP	SACRAMENTO, CA	BLANK000073020	144.5
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK000034452	0.1
	K20FR-D	D20	LD	CP	HAWTHORNE, NV	BMPDTT20090521ADK	292.7
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK000001059	293.5
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK000068563	89.2

Service area	11742.9	5,645,065	Terrain-limited	8350.2	4,906,157	IX-free, before	4990.0	1,137,926	IX-free, after	4989.8	1,137,926	Percent New IX	0.00	0.00
Undesired			Total IX			Unique IX, before			Unique IX, after					
KCNZ-CD D21 DC BL			3.6		2,876	0.0	0							
KCNZ-CD D21z DC CP			2.2		5,724				0.2		0			
KSTS D19 DT CP			65.5		75,357	0.0	0		0.0		0			
KMBY-LD D19 LD LIC			7.1		237	0.5	30		0.5		30			
K2000-D D20 LD CP			9.7		6	0.0	0		0.0		0			
KSEE D20 DT CP			38.4		1,077	0.7	0		0.7		0			
K20JX-D D20 DC APP			6.5		11	0.2	11		0.2		11			
KDTV-DT D20 DT CP			3357.8		3,768,190	3246.4	3,688,673		3246.2		3,685,825			
KSPX-TV D21 DT CP			1.0		0	0.0	0		0.0		0			

Interference to BLANK0000056337 APP scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	KSCZ-LD	D20	LD	APP	SAN JOSE-SAN FRANCIS, CA	BLANK0000056337			
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km		
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8		
	KSTS	D19	DT	CP	SAN JOSE, CA	BLANK0000034597	0.1		
	KMBY-LD	D19	LD	LIC	TEMPLETON, CA	BLDTL20100520ADV	109.1		
	K2000-D	D20	LD	CP	CERES, CA	BLANK0000072037	88.0		
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	221.5		
	K20JX-D	D20	DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	155.9		
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	0.1		
	K20FR-D	D20	LD	CP	HAWTHORNE, NV	BMPDTT20090521ADK	292.7		
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	293.5		
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	89.2		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
11742.9	5,645,065	8350.2	4,906,157	4990.0	1,137,937	4989.8	1,137,937	0.00	0.00
Undesired				Total IX	Unique IX, before		Unique IX, after		
KCNZ-CD	D21	DC	BL	3.6	2,876	0.0	0		
KCNZ-CD	D21z	DC	CP	2.2	5,724		0.2	0	
KSTS	D19	DT	CP	65.5	75,357	0.0	0	0.0	0
KMBY-LD	D19	LD	LIC	7.1	237	0.5	30	0.5	30
K2000-D	D20	LD	CP	9.7	6	0.0	0	0.0	0
KSEE	D20	DT	CP	38.4	1,077	0.7	0	0.7	0
K20JX-D	D20	DC	LIC	4.1	0	0.2	0	0.2	0
KDTV-DT	D20	DT	CP	3357.8	3,768,190	3246.9	3,688,673	3246.7	3,685,825
KSPX-TV	D21	DT	CP	1.0	0	0.0	0	0.0	0

Interference to BLANK0000034318 CP scenario 1

Desired:	Call KFTV-DT	Chan D21	Svc DT	Status CP	City, State HANFORD, CA	File Number BLANK0000034318	Distance			
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	273.9 km			
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	273.9			
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	0.5			
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	224.1			
	KPMR	D21	DT	LIC	SANTA BARBARA, CA	BLCDT20110607ABB	287.2			
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	332.1			
	KNXT	D22	DT	CP	VISALIA, CA	BLANK0000028226	102.1			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX	
31271.2	1,801,425	29017.8	1,784,585	28320.6	1,771,439	28319.9	1,771,439	0.00	0.00	
Undesired				Total IX	Unique IX, before		Unique IX, after			
KCNZ-CD	D21	DC	BL	37.9	75	10.6	5			
KCNZ-CD	D21z	DC	CP	38.1	142			11.3	5	
KSEE	D20	DT	CP	23.6	3,396	22.8	3,396	22.8	3,396	
KSPX-TV	D21	DT	CP	536.7	2,119	447.5	1,262	446.6	1,205	
KPMR	D21	DT	LIC	19.3	955	4.9	0	4.9	0	
KDTV-CD	D21	DC	CP	28.0	206	2.4	0	2.4	0	
KNXT	D22	DT	CP	165.1	8,236	115.1	6,677	115.1	6,677	

Interference to BLANK0000034318 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	273.9 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	273.9
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	0.5
	KPMR	D21	DT	LIC	SANTA BARBARA, CA	BLCDT20110607ABB	287.2
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	332.1
	KNXT	D22	DT	CP	VISALIA, CA	BLANK0000028226	102.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31271.2 1,801,425	29017.8 1,784,585	28768.2 1,772,701	28766.5 1,772,644	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	37.9 75	23.4 46	
KCNZ-CD D21z DC CP	38.1 142		25.1 103
KSEE D20 DT CP	23.6 3,396	23.3 3,396	23.3 3,396
KPMR D21 DT LIC	19.3 955	9.3 0	9.5 0
KDTV-CD D21 DC CP	28.0 206	14.0 177	15.0 167
KNXT D22 DT CP	165.1 8,236	155.3 7,281	155.5 7,281

Interference to BLANK0000034318 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	273.9 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	273.9
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	0.5
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	224.1
	KPMR	D21	DT	APP	SANTA BARBARA, CA	BPCDT20120817ABD	287.2
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	332.1
	KNXT	D22	DT	CP	VISALIA, CA	BLANK0000028226	102.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31271.2 1,801,425	29017.8 1,784,585	28318.7 1,771,439	28318.2 1,771,439	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	37.9 75	10.6 5	
KCNZ-CD D21z DC CP	38.1 142		11.1 5
KSEE D20 DT CP	23.6 3,396	22.8 3,396	22.8 3,396
KSPX-TV D21 DT CP	536.7 2,119	446.3 1,262	445.3 1,205
KPMR D21 DT APP	27.4 1,309	6.8 0	6.6 0
KDTV-CD D21 DC CP	28.0 206	2.4 0	2.4 0
KNXT D22 DT CP	165.1 8,236	111.2 6,318	111.2 6,318

Interference to BLANK0000034318 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	273.9 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	273.9
	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	0.5
	KPMR	D21	DT	APP	SANTA BARBARA, CA	BPCDT20120817ABD	287.2
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	332.1
	KNXT	D22	DT	CP	VISALIA, CA	BLANK0000028226	102.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31271.2 1,801,425	29017.8 1,784,585	28765.0 1,772,701	28763.6 1,772,644	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	37.9 75	23.4 46	
KCNZ-CD D21z DC CP	38.1 142		24.9 103
KSEE D20 DT CP	23.6 3,396	23.3 3,396	23.3 3,396
KPMR D21 DT APP	27.4 1,309	12.4 0	12.4 0
KDTV-CD D21 DC CP	28.0 206	14.0 177	15.0 167
KNXT D22 DT CP	165.1 8,236	150.4 6,927	150.6 6,927

Interference to BLANK0000072057 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMUV-LD	D21	LD	LIC	MONTEREY, CA	BLANK0000072057	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	132.4 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	132.3

KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	88.8
KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK0000016657	88.9
KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	187.4
KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	165.7
KPMR	D21	DT	LIC	SANTA BARBARA, CA	BLCDT20110607ABB	284.5
KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	234.6
KLFB-LD	D22	LD	CP	SALINAS, CA	BPDTL20120425AAW	26.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
8245.8 787,130	7557.1 750,165	7454.8 736,180	7453.1 736,085	0.02 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	32.6 246	29.2 245	
KCNZ-CD D21z DC CP	33.6 340		30.9 340
KDTV-DT D20 DT CP	0.7 0	0.2 0	0.2 0
KFTV-DT D21 DT CP	14.9 36	6.3 36	6.3 36
KSPX-TV D21 DT CP	1.0 0	0.0 0	0.0 0
KPMR D21 DT LIC	1.7 11	0.2 0	0.2 0
KDTV-CD D21 DC CP	1.5 0	0.0 0	0.0 0
KLFB-LD D22 LD CP	64.8 13,704	53.1 13,692	53.3 13,693

Interference to BLANK0000072057 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMUV-LD	D21	LD	LIC	MONTEREY, CA	BLANK0000072057	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	132.4 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	132.3
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	88.8
	KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK0000016657	88.9
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	187.4
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	165.7
	KPMR	D21	DT	APP	SANTA BARBARA, CA	BPCDT20120817ABD	283.8
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	234.6
	KLFB-LD	D22	LD	CP	SALINAS, CA	BPDTL20120425AAW	26.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
8245.8 787,130	7557.1 750,165	7455.1 736,180	7453.3 736,085	0.02 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	32.6 246	29.2 245	
KCNZ-CD D21z DC CP	33.6 340		30.9 340
KDTV-DT D20 DT CP	0.7 0	0.2 0	0.2 0
KFTV-DT D21 DT CP	14.9 36	6.3 36	6.3 36
KSPX-TV D21 DT CP	1.0 0	0.0 0	0.0 0
KPMR D21 DT APP	1.2 11	0.0 0	0.0 0
KDTV-CD D21 DC CP	1.5 0	0.0 0	0.0 0
KLFB-LD D22 LD CP	64.8 13,704	53.3 13,692	53.6 13,693

Interference to BLANK0000072057 LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMUV-LD	D21	LD	LIC	MONTEREY, CA	BLANK0000072057	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	132.4 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	132.3
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	88.8
	KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK0000016657	88.9
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	187.4
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	165.7
	KPMR	D21	DT	LIC	SANTA BARBARA, CA	BLCDT20110607ABB	284.5
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	234.6
	KLFB-LD	D22	LD	LIC	SALINAS, CA	BLDTL20101005ABL	26.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
8245.8 787,130	7557.1 750,165	7499.8 748,919	7498.4 748,825	0.02 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
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KCNZ-CD D21 DC BL	32.6	246	30.9	246		
KCNZ-CD D21z DC CP	33.6	340			32.4	340
KDTV-DT D20 DT CP	0.7	0	0.2	0	0.2	0
KFTV-DT D21 DT CP	14.9	36	13.2	36	13.2	36
KSPX-TV D21 DT CP	1.0	0	0.0	0	0.0	0
KPMR D21 DT LIC	1.7	11	1.7	11	1.7	11
KDTV-CD D21 DC CP	1.5	0	0.2	0	0.5	0
KLFB-LD D22 LD LIC	9.3	953	8.1	953	8.1	953

Interference to BLANK000072057 LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMUV-LD	D21	LD	LIC	MONTEREY, CA	BLANK000072057	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	132.4 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK000034944 -- KCN	132.3
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK000034452	88.8
	KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK000016657	88.9
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK000034318	187.4
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK000068563	165.7
	KPMR	D21	DT	APP	SANTA BARBARA, CA	BPCDT20120817ABD	283.8
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK000064188	234.6
	KLFB-LD	D22	LD	LIC	SALINAS, CA	BLDTL20101005ABL	26.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
8245.8	787,130	7557.1	748,825	0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	32.6	246	246
KCNZ-CD D21z DC CP	33.6	340	340
KDTV-DT D20 DT CP	0.7	0.2	0
KFTV-DT D21 DT CP	14.9	36	36
KSPX-TV D21 DT CP	1.0	0.0	0
KPMR D21 DT APP	1.2	1.2	11
KDTV-CD D21 DC CP	1.5	0.2	0
KLFB-LD D22 LD LIC	9.3	8.1	953

Interference to BLANK000068563 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK000068563	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	102.7 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK000034944 -- KCN	102.8
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK000036141	63.7
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK000034452	89.3
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK000001059	209.2
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK000034318	224.1
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK000064188	108.9
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK000030659	2.7
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK000034505	89.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36533.4	7,061,099	33567.6	4,793,893	-0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	677.8	77,550	138.6
KCNZ-CD D21z DC CP	675.3	78,091	8,215
K20JX-D D20 DC CP	12.0	629	6.7
KDTV-DT D20 DT CP	96.1	17,395	9.6
KFTV-DT D21 DT CP	1832.9	266,054	1268.5
KDTV-CD D21 DC CP	1741.2	342,088	784.4
KTXL D22 DT CP	314.3	37,610	219.7
KAXT-CD D22 DC CP	1.2	37	0.0

Interference to BLANK000068563 CP scenario 2

Desired:	Call KSPX-TV	Chan D21	Svc DT	Status CP	City, State SACRAMENTO, CA	File Number BLANK0000068563	Distance
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	102.7 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	102.8
	K20JX-D	D20	DC	APP	SACRAMENTO, CA	BLANK0000073020	56.7
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	89.3
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	209.2
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	224.1
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	108.9
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	2.7
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK0000034505	89.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36533.4 7,061,099	33567.6 5,378,990	30135.2 4,794,303	30135.8 4,794,240	-0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	677.8 77,550	138.6 8,152	
KCNZ-CD D21z DC CP	675.3 78,091		138.1 8,215
K20JX-D D20 DC APP	8.3 0	7.0 0	7.0 0
KDTV-DT D20 DT CP	96.1 17,395	9.6 3,767	9.6 3,767
KFTV-DT D21 DT CP	1832.9 266,054	1269.3 192,045	1269.3 191,852
KDTV-CD D21 DC CP	1741.2 342,088	786.9 206,598	787.7 205,903
KTXL D22 DT CP	314.3 37,610	219.7 28,952	219.7 28,952
KAXT-CD D22 DC CP	1.2 37	0.0 0	0.0 0

Interference to BLANK0000068563 CP scenario 3

Desired:	Call KSPX-TV	Chan D21	Svc DT	Status CP	City, State SACRAMENTO, CA	File Number BLANK0000068563	Distance
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	102.7 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	102.8
	K20JX-D	D20	DC	LIC	SACRAMENTO, CA	BLDTA20101006AAS	67.0
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	89.3
	KNSN-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	209.2
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	224.1
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	108.9
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	2.7
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK0000034505	89.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36533.4 7,061,099	33567.6 5,378,990	30140.2 4,794,248	30140.8 4,794,185	-0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	677.8 77,550	138.6 8,152	
KCNZ-CD D21z DC CP	675.3 78,091		138.1 8,215
K20JX-D D20 DC LIC	8.0 636	2.0 55	2.0 55
KDTV-DT D20 DT CP	96.1 17,395	9.6 3,767	9.6 3,767
KFTV-DT D21 DT CP	1832.9 266,054	1269.3 192,045	1269.3 191,852
KDTV-CD D21 DC CP	1741.2 342,088	782.4 206,017	783.2 205,322
KTXL D22 DT CP	314.3 37,610	219.7 28,952	219.7 28,952
KAXT-CD D22 DC CP	1.2 37	0.0 0	0.0 0

Interference to BLANK0000064188 CP scenario 1

Desired:	Call KDTV-CD	Chan D21	Svc DC	Status CP	City, State SANTA ROSA, CA	File Number BLANK0000064188	Distance
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	110.4 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	110.5
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	123.9
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	332.1
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	108.9
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	107.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
14847.7 1,070,336	10932.6 688,442	10666.4 651,830	10658.8 650,672	0.07 0.18

Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	188.4	34,894	121.1	31,937
KCNZ-CD D21z DC CP	196.2	36,052		128.7 33,095
K20JX-D D20 DC CP	0.2	0	0.0	0
KFTV-DT D21 DT CP	2.0	0	0.3	0
KSPX-TV D21 DT CP	143.6	4,675	72.1	1,703 71.8 1,703
KTXL D22 DT CP	4.5	15	1.2	0 1.2 0

Interference to BLANK0000064188 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	110.4 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	110.5
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	123.9
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	332.1
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	107.4
	KSPX-TV	D22	DT	BL	SACRAMENTO, CA	DTVBL52953	108.9
Service area	14847.7	1,070,336	Terrain-limited	10932.6	688,442	IX-free, before	10730.4 652,375
						IX-free, after	Percent New IX 0.07 0.18

Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	188.4	34,894	187.9	34,894
KCNZ-CD D21z DC CP	196.2	36,052		195.7 36,052
K20JX-D D20 DC CP	0.2	0	0.0	0
KFTV-DT D21 DT CP	2.0	0	1.3	0 1.3 0
KTXL D22 DT CP	4.5	15	1.3	0 1.3 0
KSPX-TV D22 DT BL	3.5	15	0.2	0 0.2 0

Interference to BLANK0000064188 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	110.4 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	110.5
	K20JX-D	D20	DC	APP	SACRAMENTO, CA	BLANK0000073020	133.1
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	332.1
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	108.9
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	107.4
Service area	14847.7	1,070,336	Terrain-limited	10932.6	688,442	IX-free, before	10658.6 650,672
						IX-free, after	Percent New IX 0.07 0.18

Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	188.4	34,894	121.1	31,937
KCNZ-CD D21z DC CP	196.2	36,052		128.7 33,095
K20JX-D D20 DC APP	1.3	0	0.3	0 0.3 0
KFTV-DT D21 DT CP	2.0	0	0.3	0 0.3 0
KSPX-TV D21 DT CP	143.6	4,675	71.8	1,703 71.6 1,703
KTXL D22 DT CP	4.5	15	1.2	0 1.2 0

Interference to BLANK0000064188 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	110.4 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	110.5
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	332.1
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	108.9
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	107.4
Service area	14847.7	1,070,336	Terrain-limited	10932.6	688,442	IX-free, before	10658.6 650,672
						IX-free, after	Percent New IX 0.07 0.18

14847.7	1,070,336	10932.6	688,442	10666.4	651,830	10658.8	650,672	0.07	0.18
Undesired			Total IX	Unique IX, before		Unique IX, after			
KCNZ-CD D21 DC BL	188.4		34,894	121.1	31,937				
KCNZ-CD D21z DC CP	196.2		36,052			128.7	33,095		
KFTV-DT D21 DT CP	2.0		0	0.3	0	0.3	0		
KSPX-TV D21 DT CP	143.6		4,675	72.1	1,703	71.8	1,703		
KTXL D22 DT CP	4.5		15	1.2	0	1.2	0		

Interference to BLANK0000064188 CP scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188			
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	110.4 km		
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	110.5		
	K20JX-D	D20	DC	APP	SACRAMENTO, CA	BLANK0000073020	133.1		
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	332.1		
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	107.4		
	KSPX-TV	D22	DT	BL	SACRAMENTO, CA	DTVBL52953	108.9		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
14847.7	1,070,336	10932.6	688,442	10738.0	653,533	10730.2	652,375	0.07	0.18

Undesired			Total IX	Unique IX, before		Unique IX, after			
KCNZ-CD D21 DC BL	188.4		34,894	187.9	34,894				
KCNZ-CD D21z DC CP	196.2		36,052			195.7	36,052		
K20JX-D D20 DC APP	1.3		0	0.3	0	0.3	0		
KFTV-DT D21 DT CP	2.0		0	1.3	0	1.3	0		
KTXL D22 DT CP	4.5		15	1.3	0	1.3	0		
KSPX-TV D22 DT BL	3.5		15	0.0	0	0.0	0		

Interference to BLANK0000064188 CP scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188			
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	110.4 km		
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	110.5		
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	332.1		
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	107.4		
	KSPX-TV	D22	DT	BL	SACRAMENTO, CA	DTVBL52953	108.9		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
14847.7	1,070,336	10932.6	688,442	10738.2	653,533	10730.4	652,375	0.07	0.18

Undesired			Total IX	Unique IX, before		Unique IX, after			
KCNZ-CD D21 DC BL	188.4		34,894	187.9	34,894				
KCNZ-CD D21z DC CP	196.2		36,052			195.7	36,052		
KFTV-DT D21 DT CP	2.0		0	1.3	0	1.3	0		
KTXL D22 DT CP	4.5		15	1.3	0	1.3	0		
KSPX-TV D22 DT BL	3.5		15	0.2	0	0.2	0		

Interference to BLANK0000030659 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659			
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	104.1 km		
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	104.2		
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	2.7		
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	107.4		
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK0000034505	91.7		
	KNXT	D22	DT	CP	VISALIA, CA	BLANK0000028226	322.9		
	KQCA	D23	DT	CP	STOCKTON, CA	BLANK0000034562	1.5		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	

42230.5	8,295,371	38503.7	6,103,970	37593.2	5,952,517	37592.4	5,950,229	0.00	0.04
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Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	9.4	20,870	1.7	325
KCNZ-CD D21z DC CP	10.9	20,446		
KSPX-TV D21 DT CP	10.2	1,006	4.8	597
KDTV-CD D21 DC CP	20.0	445	12.0	20
KAXT-CD D22 DC CP	433.8	124,002	415.1	102,944
KNXT D22 DT CP	426.9	23,538	426.4	23,538
KQCA D23 DT CP	34.0	3,059	27.0	2,604

Interference to BLANK000030659 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK000030659	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	104.1 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK000034944 -- KCN	104.2
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK000064188	107.4
	KSPX-TV	D22	DT	BL	SACRAMENTO, CA	DTVBL52953	1.5
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK000034505	91.7
	KNXT	D22	DT	CP	VISALIA, CA	BLANK000028226	322.9
	KQCA	D23	DT	CP	STOCKTON, CA	BLANK000034562	1.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42230.5 8,295,371	38503.7 6,103,970	15468.5 1,684,192	15468.3 1,684,192	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	9.4	20,870	0.0	0
KCNZ-CD D21z DC CP	10.9	20,446		0.2 0
KDTV-CD D21 DC CP	20.0	445	0.3	0 0
KSPX-TV D22 DT BL	23014.1	4,416,974	22129.4	4,268,922 22128.9 4,266,634
KAXT-CD D22 DC CP	433.8	124,002	10.6	2,215 10.6 2,215
KNXT D22 DT CP	426.9	23,538	8.0	26 8.0 26
KQCA D23 DT CP	34.0	3,059	1.5	0 1.5 0

Interference to DTVBL52953 BL scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSPX-TV	D22	DT	BL	SACRAMENTO, CA	DTVBL52953	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	104.7 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK000034944 -- KCN	104.8
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK000064188	108.9
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK000030659	1.5
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK000034505	91.4
	KNXT	D22	DT	CP	VISALIA, CA	BLANK000028226	321.5
	KQCA	D23	DT	CP	STOCKTON, CA	BLANK000034562	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
35301.6 6,762,330	32479.8 5,230,550	11885.5 1,136,670	11885.2 1,136,670	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KCNZ-CD D21 DC BL	6.5	552	0.0	0
KCNZ-CD D21z DC CP	13.8	1,822		0.2 0
KDTV-CD D21 DC CP	21.5	1,135	0.8	2 0.8 2
KTXL D22 DT CP	20572.8	4,090,662	19784.3	4,051,841 19783.1 4,050,571
KAXT-CD D22 DC CP	387.4	23,282	9.4	2,628 9.4 2,628
KNXT D22 DT CP	204.6	5,133	4.1	0 4.1 0
KQCA D23 DT CP	218.6	12,385	6.2	588 6.2 588

Interference to BLANK000034505 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK000034505	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km

KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8
KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	89.3
KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	91.7
KNXT	D22	DT	CP	VISALIA, CA	BLANK0000028226	301.4
KQCA	D23	DT	CP	STOCKTON, CA	BLANK0000034562	91.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
9593.9	5,395,254	6481.8	4,714,647	6457.1	4,713,841	6457.6	4,713,841	-0.01 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
KCNZ-CD D21 DC BL	0.7	0		0.7	0	
KCNZ-CD D21z DC CP	0.2	0			0.2	0
KTXL D22 DT CP	23.2	806		20.8	806	20.8 806
KNXT D22 DT CP	0.7	0		0.7	0	0.7 0
KQCA D23 DT CP	2.4	0		0.0	0	0.0 0

Interference to BLANK0000034505 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK0000034505	
Undesireds:	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	53.8 km
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	53.8
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	91.7
	KSPX-TV	D22	DT	BL	SACRAMENTO, CA	DTVBL52953	91.4
	KNXT	D22	DT	CP	VISALIA, CA	BLANK0000028226	301.4
	KQCA	D23	DT	CP	STOCKTON, CA	BLANK0000034562	91.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
9593.9	5,395,254	6481.8	4,714,647	6454.7	4,713,767	6455.2	4,713,767	-0.01 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
KCNZ-CD D21 DC BL	0.7	0		0.7	0	
KCNZ-CD D21z DC CP	0.2	0			0.2	0
KTXL D22 DT CP	23.2	806		11.8	112	11.8 112
KSPX-TV D22 DT BL	13.8	768		2.4	74	2.4 74
KNXT D22 DT CP	0.7	0		0.5	0	0.5 0
KQCA D23 DT CP	2.4	0		0.0	0	0.0 0

Interference to proposal scenario 1
2.76% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	
Undesireds:	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	161.3 km
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	53.8
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	273.9
	KSPX-TV	D21	DT	CP	SACRAMENTO, CA	BLANK0000068563	102.8
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	110.5
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	104.2
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK0000034505	53.8

Service area		Terrain-limited		IX-free		Percent IX
7442.5	5,270,628	6007.7	4,612,018	5553.2	4,484,727	7.57 2.76

Undesired		Total IX		Unique IX		Prcnt Unique IX
KDTV-DT D20 DT CP	105.1	28,296		72.0	7,204	1.20 0.16
KFTV-DT D21 DT CP	5.8	1,722		3.9	688	0.06 0.01
KSPX-TV D21 DT CP	65.0	9,968		24.0	2,268	0.40 0.05
KDTV-CD D21 DC CP	347.8	111,887		296.9	92,875	4.94 2.01
KTXL D22 DT CP	4.2	0		0.0	0	0.00 0.00
KAXT-CD D22 DC CP	0.2	0		0.0	0	0.00 0.00

Interference to proposal scenario 2
2.71% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000034944 -- KCN	
Undesireds:	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	161.3 km
	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000034452	53.8
	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000034318	273.9
	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000064188	110.5
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	104.2
	KSPX-TV	D22	DT	BL	SACRAMENTO, CA	DTVBL52953	104.8
	KAXT-CD	D22	DC	CP	SAN FRANCISCO, SAN JO, CA	BLANK0000034505	53.8
Service area		Terrain-limited		IX-free		Percent IX	
7442.5	5,270,628	6007.7	4,612,018	5576.6	4,486,995	7.17	2.71
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KDTV-DT	D20 DT CP	105.1	28,296	75.9	12,138	1.26	0.26
KFTV-DT	D21 DT CP	5.8	1,722	4.1	688	0.07	0.01
KDTV-CD	D21 DC CP	347.8	111,887	316.7	95,315	5.27	2.07
KTXL	D22 DT CP	4.2	0	1.0	0	0.02	0.00
KSPX-TV	D22 DT BL	2.5	0	0.5	0	0.01	0.00
KAXT-CD	D22 DC CP	0.2	0	0.0	0	0.00	0.00