

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 00937_03112021_K300M_D_34565, Model: Longley-Rice
Start: 2021.03.11 10:46:53

Study created: 2021.03.11 10:46:53

Study build station data: LMS TV 2021-03-11

Proposal: K29AB D30 LD CP MONTEREY, ETC., CA
File number: 00715_12152020_K29AB_34565
Facility ID: 34565
Station data: User record
Record ID: 1175
Country: U.S.

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KMSG-LD	D29	LD	LIC	FRESNO, CA	BLANK0000068538	197.6 km
No	K29KS-D	D29	LD	CP	GUSTINE, CA	BDISDTL20120530AJM	71.5
Yes	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK0000127483	139.3
Yes	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	139.3
No	K30NK-D	D30	LD	CP	BAKERSFIELD, CA	BNPDTL20100514ABT	271.3
No	KKTF-LD	D30	LD	LIC	CHICO, CA	BLDTL20100716AAP	356.9
Yes	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	187.2
No	K29KS-D	D30	LD	CP	GUSTINE, CA	BNPDTL20100910ABU	71.5
No	KSGA-LD	D30	LD	LIC	Los Angeles, CA	BLANK0000029861	419.2
No	KCVU	D30	DT	CP	PARADISE, CA	BLANK0000122335	356.8
No	KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	419.2
No	K30QC-D	D30	LD	LIC	RIDGECREST, CA	BLANK0000068898	371.1
No	KAHC-LD	D30	LD	LIC	SACRAMENTO, CA	BLANK0000114246	210.3
Yes	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	139.3
No	K30MV-D	D30	LD	CP	SANTA BARBARA, CA	BNPDTL20100727ACY	284.5
No	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	222.3
No	KDFS-CD	D30-	DC	CP	SANTA MARIA, CA	BLANK0000127514	222.3
No	K30FS-D	D30	LD	LIC	HAWTHORNE, NV	BLDTT20101122AJR	306.8
No	K30PB-D	D30	LD	LIC	SHURZ, NV	BLANK0000073916	336.0
No	K30HY-D	D30	LD	LIC	VERDI/MOGUL, NV	BLDTT20081006AFE	342.0
No	KTFF-LD	D31	LD	LIC	FRESNO, CA	BLANK0000106073	187.4
No	KFMS-LD	D31	LD	LIC	KEYES, CA	BLANK0000116994	210.3
No	KFMS-LD	D31	LD	CP	KEYES, CA	BLANK0000051634	210.3

Yes	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	139.3
Yes	K31OL-D	D31	LD	LIC	SALINAS, CA	BLANK0000074705	26.6
No	K31KE-D	D31	LD	LIC	San Luis Obispo, ETC, CA	BLDDT20121220AAO	172.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
 Mask: Full Service
 Latitude: 36 45 22.00 N (NAD83)
 Longitude: 121 30 10.00 W
 Height AMSL: 965.0 m
 HAAT: 0.0 m
 Peak ERP: 5.41 kW
 Antenna: DIE TUA_C2_4_8M_1_K_HRP_FCC_FILE 0.0 deg
 Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.06 kW	785.9 m	65.2 km
45.0	2.73	730.5	60.1
90.0	0.002	579.8	16.0
135.0	0.002	241.2	10.4
180.0	0.002	669.6	16.8
225.0	2.66	844.9	61.9
270.0	4.77	814.9	65.3
315.0	5.41	739.7	64.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 676 m

Distance to Canadian border: 1285.5 km

Distance to Mexican border: 592.1 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 348.4 degrees Distance: 110.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 70.2 degrees Distance: 1460.9 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 BLANK0000127483 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK0000127483	
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	139.3 km
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	135.9
	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
39349.9	8,220,157	33582.5	7,371,442	33160.8	7,364,883	33158.8 7,364,883	0.01 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K29AB D30 LD CP	5.0			0		2.0 0	
KMMD-CD D28 DC LIC	409.7			4,370	409.7 4,370	406.7 4,370	
KQED D30 DT LIC	12.1			2,189	12.1 2,189	12.1 2,189	

Interference to BLANK0000127483 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK0000127483	
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	139.3 km
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	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
39349.9	8,220,157	33582.5	7,371,442	33149.8	7,364,041	33147.8 7,364,041	0.01 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	

K29AB D30 LD CP	5.0	0			2.0	0
KMMD-CD D28 DC LIC	409.7	4,370	409.7	4,370	406.7	4,370
KKPM-CD D28+ DC LIC	11.0	842	11.0	842	11.0	842
KQED D30 DT LIC	12.1	2,189	12.1	2,189	12.1	2,189

Interference to BLCDT20091112AIZ LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	139.3 km
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	APP	YUBA CITY, CA	BLANK0000113364	135.9
	KQMM-CD	D29	DC	CP	SANTA MARIA, CA	BLANK0000127506	375.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
37625.3	8,334,642	31885.5	7,442,870	31470.9	7,437,875	31468.9 7,437,630	0.01 0.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
K29AB D30 LD CP	7.0	497			2.0 245		
KMMD-CD D28 DC LIC	414.6	4,995	414.6	4,995	409.6 4,743		

Interference to BLCDT20091112AIZ LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	139.3 km
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
	KQMM-CD	D29	DC	CP	SANTA MARIA, CA	BLANK0000127506	375.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
37625.3	8,334,642	31885.5	7,442,870	31462.9	7,434,475	31460.9 7,434,230	0.01 0.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
K29AB D30 LD CP	7.0	497			2.0 245		
KMMD-CD D28 DC LIC	414.6	4,995	414.6	4,995	409.6 4,743		
KKPM-CD D28+ DC LIC	8.0	3,400	8.0	3,400	8.0 3,400		

Interference to BLANK0000081720 LIC scenario 1

Desired:	Call KFSN-TV	Chan D30	Svc DT	Status LIC	City, State FRESNO, CA	File Number BLANK0000081720	Distance
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	187.2 km
	KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA	BLTTA20101018ACF	195.6
	KCVU	D30	DT	CP	PARADISE, CA	BLANK00000122335	376.9
	KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	340.0
	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	276.9
	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	263.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34757.1 1,838,891	30796.7 1,821,921	30288.0 1,819,945	30155.1 1,819,748	0.44 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
K29AB D30 LD CP 334.5	694	132.9	197
KBFX-CD D29 DC LIC 8.1	515	8.1	515
KCVU D30 DT CP 28.4	57	8.1	10
KXLA D30 DT LIC 1.0	0	1.0	0
KQED D30 DT LIC 490.5	1,451	469.2	1,404
KDFS-CD D30- DC LIC 2.0	0	1.0	0

Interference to BLANK0000081720 LIC scenario 2

Desired:	Call KFSN-TV	Chan D30	Svc DT	Status LIC	City, State FRESNO, CA	File Number BLANK0000081720	Distance
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	187.2 km
	KBFX-CD	D29	DC	LIC	BAKERSFIELD, CA	BLTTA20101018ACF	195.6
	KCVU	D30	DT	CP	PARADISE, CA	BLANK00000122335	376.9
	KXLA	D30	DT	LIC	RANCHO PALOS VERDES, CA	BLANK0000081656	340.0
	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	276.9
	KDFS-CD	D30-	DC	CP	SANTA MARIA, CA	BLANK00000127514	263.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34757.1 1,838,891	30796.7 1,821,921	30288.0 1,819,945	30155.1 1,819,748	0.44 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
K29AB D30 LD CP 334.5	694	132.9	197
KBFX-CD D29 DC LIC 8.1	515	8.1	515
KCVU D30 DT CP 28.4	57	8.1	10
KXLA D30 DT LIC 1.0	0	1.0	0
KQED D30 DT LIC 490.5	1,451	469.2	1,404
KDFS-CD D30- DC CP 2.0	0	1.0	0

Interference to BLANK0000040845 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	139.3 km
	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK00000127483	0.0
	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK00000081720	276.9
	KCVU	D30	DT	CP	PARADISE, CA	BLANK00000122335	253.5
	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK00000001617	358.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	37976.9	8,195,847	32181.1	7,302,085	29908.8	6,838,599	29063.9 6,805,582 2.82 0.48
Undesired				Total IX	Unique IX, before	Unique IX, after	
K29AB D30 LD CP		931.1		33,575		844.8	33,017
KFSN-TV D30 DT LIC		1546.7		394,843	257.6	26,348	190.6
KCVU D30 DT CP		2014.7		437,138	725.5	68,643	718.5
							68,425

Interference to BLANK0000107584 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	139.3 km
	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	0.0
	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK00000035685	154.4
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK00000108769	0.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	37377.5	8,298,887	31571.8	7,377,847	31259.1	7,374,983	31259.1 7,374,983 0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K29AB D30 LD CP		2.0		161		0.0	0
KQED D30 DT LIC		1.0		0	0.0	0	0
KION-TV D32 DT CP		311.7		2,864	311.7	2,864	309.7
KCNS D32 DT LIC		1.0		0	0.0	0	0

Interference to BLANK0000107584 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	

Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	139.3 km
	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	0.0
	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	154.4
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
37377.5	8,298,887	31571.8	7,377,847	31333.1	7,376,170	31333.1	7,376,170	0.00 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
K29AB D30 LD CP	2.0	161			0.0	0
KQED D30 DT LIC	1.0	0	0.0	0	0.0	0
KION-TV D32 DT LIC	237.8	1,677	237.8	1,677	235.8	1,516
KCNS D32 DT LIC	1.0	0	0.0	0	0.0	0

Interference to BLANK0000074705 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31OL-D	D31	LD	LIC	SALINAS, CA	BLANK0000074705	
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	26.6 km
	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLANK0000127171	286.9
	KTFF-LD	D31	LD	LIC	FRESNO, CA	BLANK0000106073	204.1
	KFMS-LD	D31	LD	LIC	KEYES, CA	BLANK0000116994	234.9
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	153.8
	K31KE-D	D31	LD	LIC	San Luis Obispo, ETC, CA	BLDTT20121220AAO	157.3
	KBAB-LD	D31	LD	LIC	SANTA BARBARA, CA	BLANK0000117112	269.8
	K31KH-D	D31	LD	CP	STATELINE, NV	BDFCDTL20090824ABT	304.8
	KION-TV	D32	DT	CP	MONTEREY, CA	BLANK0000035685	0.6
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	153.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
13651.2	803,890	9686.6	668,645	9393.1	660,951	9361.1	650,859	0.34 1.53

Undesired		Total IX		Unique IX, before		Unique IX, after
K29AB D30 LD CP	76.9	12,031			32.0	10,092
KBTF-CD D31 DC LIC	2.0	0	0.0	0	0.0	0
KTFF-LD D31 LD LIC	10.0	0	4.0	0	4.0	0
KTVU D31 DT LIC	144.0	5,042	96.0	4,284	73.0	3,004
K31KE-D D31 LD LIC	14.1	0	11.1	0	11.1	0
KBAB-LD D31 LD LIC	1.0	0	0.0	0	0.0	0
KION-TV D32 DT CP	180.5	3,410	129.4	2,652	119.4	2,562
KCNS D32 DT LIC	1.0	0	0.0	0	0.0	0

Interference to BLANK0000074705 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31OL-D	D31	LD	LIC	SALINAS, CA	BLANK0000074705	
Undesireds:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	26.6 km
	KBTF-CD	D31	DC	LIC	BAKERSFIELD, CA	BLANK0000127171	286.9
	KTFF-LD	D31	LD	LIC	FRESNO, CA	BLANK0000106073	204.1
	KFMS-LD	D31	LD	LIC	KEYES, CA	BLANK0000116994	234.9
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	153.8
	K31KE-D	D31	LD	LIC	San Luis Obispo, ETC, CA	BLDTT20121220AAO	157.3
	KBAB-LD	D31	LD	LIC	SANTA BARBARA, CA	BLANK0000117112	269.8
	K31KH-D	D31	LD	CP	STATELINE, NV	BDFCDTL20090824ABT	304.8
	KION-TV	D32	DT	LIC	MONTEREY, CA	BLCDT20030604ACO	0.6
	KCNS	D32	DT	LIC	SAN FRANCISCO, CA	BLANK0000108769	153.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13651.2 803,890	9686.6 668,645	9417.1 661,138	9383.1 650,989	0.36 1.54

Undesired	Total IX	Unique IX, before	Unique IX, after
K29AB D30 LD CP 76.9	12,031	34.0 10,149	
KBTF-CD D31 DC LIC 2.0	0 0.0 0	0.0 0	
KTFF-LD D31 LD LIC 10.0	0 4.0 0	4.0 0	
KTVU D31 DT LIC 144.0	5,042 102.0 4,590	78.0 3,192	
K31KE-D D31 LD LIC 14.1	0 12.1 0	12.1 0	
KBAB-LD D31 LD LIC 1.0	0 1.0 0	1.0 0	
KION-TV D32 DT LIC 147.4	2,917 105.3 2,465	97.4 2,432	
KCNS D32 DT LIC 1.0	0 0.0 0	0.0 0	

Interference to proposal scenario 1
3.20% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	
Undesireds:	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK0000127483	139.3 km
	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	187.2
	K29KS-D	D30	LD	CP	GUSTINE, CA	BNPDTL20100910ABU	71.5
	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	139.3
	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	222.3
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	139.3
	K31OL-D	D31	LD	LIC	SALINAS, CA	BLANK0000074705	26.6

Service area	Terrain-limited	IX-free	Percent IX
8404.6 880,213	6956.8 751,907	6641.3 727,837	4.53 3.20

Undesired	Total IX	Unique IX	Prcnt Unique IX
KPIX-TV D29 DT CP	8.0 4	0.0 0	0.00 0.00
KFSN-TV D30 DT LIC	140.7 61	120.6 25	1.73 0.00
K29KS-D D30 LD CP	4.0 0	1.0 0	0.01 0.00
KQED D30 DT LIC	161.7 23,895	142.8 23,855	2.05 3.17
KTVU D31 DT LIC	9.0 4	0.0 0	0.00 0.00
K31OL-D D31 LD LIC	36.1 150	19.1 150	0.27 0.02

Interference to proposal scenario 2
3.20% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	

Undesireds:	K29KS-D	D29	LD	CP	GUSTINE, CA	BDISDTL20120530AJM	71.5 km
	KPIX-TV	D29	DT	CP	SAN FRANCISCO, CA	BLANK0000127483	139.3
	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	187.2
	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	139.3
	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	222.3
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	139.3
	K31OL-D	D31	LD	LIC	SALINAS, CA	BLANK0000074705	26.6

Service area	Terrain-limited	IX-free	Percent IX
8404.6 880,213	6956.8 751,907	6641.3 727,837	4.53 3.20

Undesired	Total IX	Unique IX	Prcnt Unique IX
K29KS-D D29 LD CP	1.0 0	1.0 0	0.01 0.00
KPIX-TV D29 DT CP	8.0 4	0.0 0	0.00 0.00
KFSN-TV D30 DT LIC	140.7 61	122.6 25	1.76 0.00
KQED D30 DT LIC	161.7 23,895	142.8 23,855	2.05 3.17
KTVU D31 DT LIC	9.0 4	0.0 0	0.00 0.00
K31OL-D D31 LD LIC	36.1 150	19.1 150	0.27 0.02

Interference to proposal scenario 3
3.20% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	

Undesireds:	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	139.3 km
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KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	187.2
K29KS-D	D30	LD	CP	GUSTINE, CA	BNPDTL20100910ABU	71.5
KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	139.3
KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	222.3
KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	139.3
K31OL-D	D31	LD	LIC	SALINAS, CA	BLANK0000074705	26.6

Service area	Terrain-limited	IX-free	Percent IX
8404.6	880,213	6956.8	751,907
6641.3	727,837	4.53	3.20

Undesired	Total IX	Unique IX	Prcnt Unique IX
KPIX-TV D29 DT LIC	9.0	4	0.0
KFSN-TV D30 DT LIC	140.7	61	120.6
K29KS-D D30 LD CP	4.0	0	1.0
KQED D30 DT LIC	161.7	23,895	142.8
KTVU D31 DT LIC	9.0	4	0.0
K31OL-D D31 LD LIC	36.1	150	19.1

Interference to proposal scenario 4
3.20% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K29AB	D30	LD	CP	MONTEREY, ETC., CA	00715_12152020_K29AB_3	
Undesireds:	K29KS-D	D29	LD	CP	GUSTINE, CA	BDISDTL20120530AJM	71.5 km
	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	139.3
	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLANK0000081720	187.2
	KQED	D30	DT	LIC	SAN FRANCISCO, CA	BLANK0000040845	139.3
	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	222.3
	KTVU	D31	DT	LIC	OAKLAND, CA	BLANK0000107584	139.3
	K31OL-D	D31	LD	LIC	SALINAS, CA	BLANK0000074705	26.6

Service area	Terrain-limited	IX-free	Percent IX
8404.6	880,213	6956.8	751,907
6641.3	727,837	4.53	3.20

Undesired	Total IX	Unique IX	Prcnt Unique IX
K29KS-D D29 LD CP	1.0	0	1.0
KPIX-TV D29 DT LIC	9.0	4	0.0
KFSN-TV D30 DT LIC	140.7	61	122.6
KQED D30 DT LIC	161.7	23,895	142.8
KTVU D31 DT LIC	9.0	4	0.0
K31OL-D D31 LD LIC	36.1	150	19.1