

FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO  
CHANNEL 49 DIGITAL

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-16-2009 Time: 13:29:01

Record Selected for Analysis

K42HE USERRECORD-01 UKIAH CA US  
Channel 49 ERP 15. kW HAAT 622. m RCAMSL 00793 m STRINGENT MASK  
Latitude 038-20-52 Longitude 0122-34-35  
Status APP Zone 2 Border  
Dir Antenna Make usr Model SBP\_UPSL60DB Beam tilt N Ref Azimuth 320.  
Last update Cutoff date Docket  
Comments  
Applicant

Census data selected: 1990

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	4.620	527.7	58.0
45.0	0.009	517.8	21.5
90.0	0.000	555.0	1.8
135.0	0.000	646.6	1.8
180.0	0.000	648.8	1.8
225.0	0.000	710.3	1.8
270.0	2.522	714.5	58.2
315.0	13.781	658.9	68.4

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Start of Interference Analysis

Proposed Station			
Channel	Call	City/State	ARN
49	K42HE	UKIAH CA	USERRECORD01

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KACA-LP	MODESTO CA	139.0	APP	BSTA	-20071018AFT
34	KACA-LP	MODESTO CA	139.0	LIC	BLTTTL	-20080813AEP
35	K35DO	HOPLAND CA	79.6	LIC	BLTT	-19940509JJ
41	K41AF	UKIAH CA	96.6	LIC	BLTT	-19830125IM
42	KTNC-TV	CONCORD CA	77.9	LIC	BLCT	-19830630KF
42	K42HE	UKIAH CA	75.3	LIC	BLTTTL	-20081222ABC
45	K45HC	SACRAMENTO CA	95.2	LIC	BLTT	-20040325AAX
45	K45AH	UKIAH CA	96.6	LIC	BLTT	-19830125IK
46	K46DR	LAKEPORT CA	73.2	LIC	BLTT	-19941103IB
46	K46DR	LAKEPORT CA	35.9	APP	BSTA	-20061016ADK
47	K47AL	UKIAH CA	96.6	LIC	BLTTTL	-19830223IB
48	K48KB	CHICO CA	154.0	CP	BNPTTL	-20000831AEH
48	K48KB	CHICO CA	161.6	APP	BMPPTTL	-20090309AAK
48	KDAS-LP	CLARKS CROSSING CA	39.6	LIC	BLTTTL	-20060901ACD
48	KSPX	SACRAMENTO CA	95.2	LIC	BLCDT	-20050110ABB
48	KSTS	SAN JOSE CA	112.8	LIC	BLCT	-19990721KE
49	NEW	EUREKA CA	290.3	APP	BNPTTL	-20000828AMQ
49	NEW	EUREKA CA	303.3	APP	BNPTTL	-20000807ABU
49	NEW	EUREKA CA	290.3	APP	BNPTTL	-20000828ARL
49	NEW	EUREKA CA	289.9	APP	BNPTTL	-20000824AEB
49	K49EA	LONG VALLEY CA	340.4	LIC	BLTTTL	-19940117JC
49	KMPH-LD	MERCED-MARIPOSA CA	236.1	CP	BDCCDTL	-20061004AIN
49	K49EO	MODESTO CA	156.6	LIC	BLTT	-20000306AAN
49	K49CT	PARADISE CA	173.9	LIC	BLTT	-19900207JC
49	KSAO-LP	SACRAMENTO CA	132.9	LIC	BLTTTL	-20050822AAI
49	KSAO-LP	SACRAMENTO CA	132.9	APP	BDFCDTL	-20090220AEA
49	KSTS	SAN JOSE CA	112.8	LIC	BLCDT	-20030507AAT
49	KNXT	VISALIA CA	402.0	LIC	BLET	-19861211KH
49	K49IG	YREKA CA	378.1	LIC	BLTTTL	-20071019AGQ
49	K49IG	YREKA CA	360.8	CP MOD	BMPPTTL	-20050913ABU
49	K49IG	YREKA CA	360.8	CP	BNPTTL	-20000830BJB
49	DK64DK	YREKA/WEED CA	371.7	CP	BPTT	-20020322AAL
49	K49CK	STEAD, ETC. NV	266.9	LIC	BLTT	-19900126IB
49	K49CK	STEAD/LAWTON NV	266.9	CP	BDFCDTT	-20081020ALD
49	K49FZ	YERINGTON NV	297.9	LIC	BLTT	-20020423AAY
50	KBIT-LD	CHICO CA	115.7	CP MOD	BMPDTL	-20071009AKX
50	KTEH	SAN JOSE CA	114.0	LIC	BLEDT	-20040826AAR
50	KTEH	SAN JOSE CA	114.0	APP	BPEDT	-20080620AKJ
51	K51AQ	UKIAH CA	96.6	LIC	BLTT	-19830125IJ
52	K52AJ	LAKEPORT CA	72.9	APP	BDISTTL	-20081216AAA
52	K52AJ	LAKEPORT, ETC. CA	73.2	LIC	BLTT	-19810728IW
52	KDTS-LP	STOCKTON CA	119.3	LIC	BLTTTL	-19971124IL
57	K57CT	BOONVILLE, ETC. CA	91.7	LIC	BLTT	-19830110IJ

[illegible]

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	KACA-LP	MODESTO CA	BSTA -20071018AFT

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	KTSF-DT	SAN FRANCISCO CA	108.9	PLN	DTVPLN -DTVP0665
27	KTSF	SAN FRANCISCO CA	108.9	LIC	BLCDDT -20050131AOD
30	KQED-DT	SAN FRANCISCO CA	110.3	PLN	DTVPLN -DTVP0778
31	KSMS-DT	MONTEREY CA	111.4	PLN	DTVPLN -DTVP0814
32	KION-DT	MONTEREY CA	138.0	PLN	DTVPLN -DTVP0855
33	KMTP-DT	SAN FRANCISCO CA	110.3	PLN	DTVPLN -DTVP0893
33	KMTP-TV	SAN FRANCISCO CA	110.3	CP	BPEDT -20000501AGF
34	KJEO-TV	FRESNO CA	172.7	LIC	BPRM -20000803AAD
34	KGPE	FRESNO CA	172.7	LIC	BLCDDT -20030702ABJ
34	KRCR-TV	REDDING CA	343.1	LIC	BLCDDT -20060926ACS
34	KRCRTV	REDDING CA	343.1	LIC	BPRM -20000412AAE
34	KRJR-LD	SACRAMENTO CA	97.9	CP	BDCCDTL -20061019AFB
34	KTAS	SAN LUIS OBISPO CA	267.7	LIC	BLCDDT -20070222AAX
34	KADE-DT	SAN LUIS OBISPO CA	267.7	PLN	DTVPLN -DTVP0926
34	KFSF-TV	VALLEJO CA	110.3	LIC	BLCDDT -20030620ABV
34	KPST-DT	VALLEJO CA	110.3	PLN	DTVPLN -DTVP0927
34	KRNV-DT	RENO NV	239.1	PLN	DTVPLN -DTVP0947
35	KCRA-DT	SACRAMENTO CA	64.8	PLN	DTVPLN -DTVP0965
35	KCBA	SALINAS CA	111.5	LIC	BLCT -19811022KE
38	KNSO-DT	MERCED CA	105.3	PLN	DTVPLN -DTVP1039
41	KKPX	SAN JOSE CA	108.8	LIC	BLCDDT -20021108ABD
41	KLXV-DT	SAN JOSE CA	89.2	PLN	DTVPLN -DTVP1152
48	KSPX	SACRAMENTO CA	64.9	LIC	BLCDDT -20050110ABB
48	KCMY-DT	SACRAMENTO CA	104.5	PLN	DTVPLN -DTVP1384
48	KSTS	SAN JOSE CA	64.6	LIC	BLCT -19990721KE
49	KMPH-LD	MERCED-MARIPOSA CA	100.6	CP	BDCCDTL -20061004AIN
49	K49EO	MODESTO CA	17.6	LIC	BLTT -20000306AAN
49	KSAO-LP	SACRAMENTO CA	102.5	APP	BDFCDTL -20090220AEA
49	KSTS-DT	SAN JOSE CA	64.7	PLN	DTVPLN -DTVP1411
49	KSTS	SAN JOSE CA	64.6	LIC	BLCDDT -20030507AAT
49	K42HE	UKIAH CA	139.0	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	KACA-LP	MODESTO CA	BLTTL -20080813AEP

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	KTSF-DT	SAN FRANCISCO CA	108.9	PLN	DTVPLN	-DTVP0665
27	KTSF	SAN FRANCISCO CA	108.9	LIC	BLCDDT	-20050131AOD
30	KQED-DT	SAN FRANCISCO CA	110.3	PLN	DTVPLN	-DTVP0778
31	KSMS-DT	MONTEREY CA	111.4	PLN	DTVPLN	-DTVP0814
31	KMAX-TV	SACRAMENTO CA	64.9	LIC	BLCT	-20021125AAK
32	KION-DT	MONTEREY CA	138.0	PLN	DTVPLN	-DTVP0855
32	KMTP-TV	SAN FRANCISCO CA	110.3	LIC	BLET	-19910910KE
33	KCSO-LP	SACRAMENTO CA	60.0	LIC	BLTTL	-20020503AAV
33	KMTP-DT	SAN FRANCISCO CA	110.3	PLN	DTVPLN	-DTVP0893
33	KMTP-TV	SAN FRANCISCO CA	110.3	CP	BPEDT	-20000501AGF
34	KJEO-TV	FRESNO CA	172.7	LIC	BPRM	-20000803AAD
34	KGPE	FRESNO CA	172.7	LIC	BLCDDT	-20030702ABJ
34	KRCR-TV	REDDING CA	343.1	LIC	BLCDDT	-20060926ACS
34	KRCRTV	REDDING CA	343.1	LIC	BPRM	-20000412AAE
34	KRJR-LD	SACRAMENTO CA	97.9	CP	BDCCDTL	-20061019AFB
34	KTAS	SAN LUIS OBISPO CA	267.7	LIC	BLCDDT	-20070222AAX
34	KADE-DT	SAN LUIS OBISPO CA	267.7	PLN	DTVPLN	-DTVP0926
34	KFSF-TV	VALLEJO CA	110.3	LIC	BLCDDT	-20030620ABV
34	KPST-DT	VALLEJO CA	110.3	PLN	DTVPLN	-DTVP0927
34	KRNV-DT	RENO NV	239.1	PLN	DTVPLN	-DTVP0947
35	KCRA-DT	SACRAMENTO CA	64.8	PLN	DTVPLN	-DTVP0965
35	KCBA	SALINAS CA	111.5	LIC	BLCT	-19811022KE
36	KICU-TV	SAN JOSE CA	64.8	LIC	BLCT	-19881116KE
38	KNSO-DT	MERCED CA	105.3	PLN	DTVPLN	-DTVP1039
41	KKPX	SAN JOSE CA	108.8	LIC	BLCDDT	-20021108ABD
41	KLXV-DT	SAN JOSE CA	89.2	PLN	DTVPLN	-DTVP1152
48	KSPX	SACRAMENTO CA	64.9	LIC	BLCDDT	-20050110ABB
48	KCMY-DT	SACRAMENTO CA	104.5	PLN	DTVPLN	-DTVP1384
48	KSTS	SAN JOSE CA	64.6	LIC	BLCT	-19990721KE
49	KMPH-LD	MERCED-MARIPOSA CA	100.6	CP	BDCCDTL	-20061004AIN
49	K49EO	MODESTO CA	17.6	LIC	BLTT	-20000306AAN
49	KSAO-LP	SACRAMENTO CA	102.5	APP	BDFCDTL	-20090220AEA
49	KSTS-DT	SAN JOSE CA	64.7	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	64.6	LIC	BLCDDT	-20030507AAT
49	K42HE	UKIAH CA	139.0	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	K35DO	HOPLAND CA	BLTT	-19940509JJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	KFTY	SANTA ROSA CA	50.7	APP	BPRM	-20060426AAT

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

33	KMTP-DT	SAN FRANCISCO CA	142.5	PLN	DTVPLN	-DTVP0893
33	KMTP-TV	SAN FRANCISCO CA	142.5	CP	BPEDT	-20000501AGF
34	KRJR-LD	SACRAMENTO CA	146.0	CP	BDCCDTL	-20061019AFB
35	KKTF-LP	CHICO CA	166.6	LIC	BLTTL	-20070309ABE
35	KBVQ-LP	EUREKA CA	213.0	CP	BDFCDTL	-20060330AFR
35	KBVQ-LP	EUREKA CA	213.0	LIC	BLTTL	-20040930BNB
35	KCRA-DT	SACRAMENTO CA	159.2	PLN	DTVPLN	-DTVP0965
35	KCBA	SALINAS CA	279.8	LIC	BLCT	-19811022KE
35	KTVL-DT	MEDFORD OR	352.2	PLN	DTVPLN	-DTVP0989
35	K35IY-D	ROGUE RIVER OR	391.2	CP MOD	BMPDPTT	-20080603AAF
39	KCNS-DT	SAN FRANCISCO CA	142.5	PLN	DTVPLN	-DTVP1080
39	KCNS	SAN FRANCISCO CA	142.5	LIC	BLCDT	-20060221AES
43	KCSM-TV	SAN MATEO CA	142.5	LIC	BLEDT	-20030822AFZ
43	KCSM-DR	SAN MATEO CA	142.5	LIC	BPRM	-20011009ADM
50	KBIT-LD	CHICO CA	115.9	CP MOD	BMPDPTL	-20071009AKX
49	K42HE	UKIAH CA	79.6	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 4

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	K41AF	UKIAH CA	BLTT	-19830125IM

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	KMMC-LP	SAN FRANCISCO CA	169.0	CP	BDFCDTL	-20080801AOG
41	DKKPM-LD	CHICO CA	110.3	APP	BDISDTL	-20070305ACT
41	DKKPM-LD	CHICO CA	110.3	APP	BSTA	-20080926AFL
41	DKKPM-LD	CHICO CA	110.3	CP	BDISDTL	-20070411ACU
41	KTFF-LP	FRESNO CA	392.7	CP	BDFCDTL	-20080801BCN
41	KOTR-LD	GONZALES CA	314.9	CP	BDCCDTL	-20081205ACL
41	KRHT-LP	REDDING CA	177.6	CP MOD	BMPTTL	-20081125AVH
41	KKPX	SAN JOSE CA	169.0	LIC	BLCDT	-20021108ABD
41	KLXV-DT	SAN JOSE CA	248.4	PLN	DTVPLN	-DTVP1152
41	KNVV-LP	RENO NV	277.2	LIC	BLTTL	-20010829ABA
41	K41KJ-D	BROOKINGS OR	341.3	CP MOD	BMPDPTT	-20080528ABI
41	K41KL-D	GLENDALE, ETC. OR	387.8	CP MOD	BMPDPTT	-20080528ACT
41	K41ID	KLAMATH FALLS OR	353.4	CP	BDFCDTL	-20061102AAP
41	K41KK-D	WILLIAMS OR	339.4	CP	BDCCDTT	-20061030AHB
42	KMSX-LD	SACRAMENTO CA	183.4	APP	BDISDTL	-20090210ABO
42	KAXT-LD	SANTA CLARA-SAN JOSE CA	169.0	CP	BDCCDTL	-20060928AHY
42	K42HE	UKIAH CA	45.9	LIC	BLTTL	-20081222ABC
49	K42HE	UKIAH CA	96.6	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Analysis of Interference to Affected Station 5

### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
42	KTNCTV	CONCORD CA	DTVPLN	-NPLN1617

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KPST-DT	VALLEJO CA	50.9	PLN	DTVPLN	-DTVP0927
35	KCRA-DT	SACRAMENTO CA	54.6	PLN	DTVPLN	-DTVP0965
35	KCBA	SALINAS CA	131.1	PLN	DTVPLN	-NPLN1490
39	KCNS-DT	SAN FRANCISCO CA	50.9	PLN	DTVPLN	-DTVP1080
40	KTXL	SACRAMENTO CA	54.4	PLN	DTVPLN	-NPLN1578
41	KLXV-DT	SAN JOSE CA	87.0	PLN	DTVPLN	-DTVP1152
43	KSBW-DT	SALINAS CA	93.4	PLN	DTVPLN	-DTVP1219
44	KBHKT	SAN FRANCISCO CA	50.9	PLN	DTVPLN	-NPLN1654
45	KBHK-DT	SAN FRANCISCO CA	50.9	PLN	DTVPLN	-DTVP1290
46	KQCA-DT	STOCKTON CA	51.9	PLN	DTVPLN	-DTVP1319
49	KSTS-DT	SAN JOSE CA	45.5	PLN	DTVPLN	-DTVP1411
50	KTEH-DT	SAN JOSE CA	45.4	PLN	DTVPLN	-DTVP1440
50	KFTY	SANTA ROSA CA	107.4	PLN	DTVPLN	-NPLN1769
56	KTVU-DT	OAKLAND CA	50.9	PLN	DTVPLN	-DTVP1580
57	KRON-DT	SAN FRANCISCO CA	50.9	PLN	DTVPLN	-DTVP1601

Results for: 42N CA CONCORD	DTVPLN	NPLN1617	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	7794877	31519.0	
not affected by terrain losses	6376662	26217.1	
lost to NTSC IX	188359	318.7	
lost to additional IX by ATV	287216	356.2	
lost to all IX	475575	674.9	

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	KTNC-TV	CONCORD CA	BLCT	-19830630KF

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KFSF-TV	VALLEJO CA	51.0	LIC	BLC DT	-20030620ABV
34	KPST-DT	VALLEJO CA	50.9	PLN	DTVPLN	-DTVP0927
35	KCRA-DT	SACRAMENTO CA	54.6	PLN	DTVPLN	-DTVP0965
35	KCBA	SALINAS CA	131.1	LIC	BLCT	-19811022KE
39	KCNS-DT	SAN FRANCISCO CA	50.9	PLN	DTVPLN	-DTVP1080
39	KCNS	SAN FRANCISCO CA	51.0	LIC	BLC DT	-20060221AES
40	KTXL	SACRAMENTO CA	54.4	LIC	BLCT	-19851112KI
41	KKPX	SAN JOSE CA	52.3	LIC	BLC DT	-20021108ABD
41	KLXV-DT	SAN JOSE CA	87.0	PLN	DTVPLN	-DTVP1152
43	NEW	SACRAMENTO CA	122.5	APP	BNP EDT	-20030922AAX
43	NEW	SACRAMENTO CA	89.2	APP	BNP EDT	-20030922AFV
43	900312KG	SACRAMENTO CA	122.5	APP	BP EDT	-19900312KG
43	NEW	SACRAMENTO CA	121.3	APP	BNP EDT	-20030919AAV

FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

43	NEW	SACRAMENTO CA	122.5	APP	BNP EDT	-20030922ADI
43	NEW	SACRAMENTO CA	122.5	APP	BNP EDT	-20030922ADW
43	NEW	SACRAMENTO CA	122.5	APP	BNP EDT	-20030922AFW
43	NEW	SACRAMENTO CA	52.5	APP	BNP EDT	-20030922ADP
43	NEW	SACRAMENTO CA	89.2	APP	BNP EDT	-20030922AFV
43	NEW	SACRAMENTO CA	122.5	APP	BNP EDT	-20030922AFZ
43	NEW	SACRAMENTO CA	122.5	LIC	BPRM	-20000717ABT
43	KSBW-DT	SALINAS CA	93.4	PLN	DTVPLN	-DTVP1219
43	KCSM-TV	SAN MATEO CA	51.0	LIC	BLED T	-20030822AFZ
43	KCSM-DR	SAN MATEO CA	51.0	LIC	BPRM	-20011009ADM
44	KBCW	SAN FRANCISCO CA	50.9	LIC	BLCT	-19881220KG
45	KBCW	SAN FRANCISCO CA	51.0	LIC	BLCD T	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	50.9	PLN	DTVPLN	-DTVP1290
46	KQCA	STOCKTON CA	54.6	LIC	BLCD T	-20060623AAM
46	KQCA-DT	STOCKTON CA	51.9	PLN	DTVPLN	-DTVP1319
49	KSTS-DT	SAN JOSE CA	45.5	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	43.8	LIC	BLCD T	-20030507AAT
50	KTEH	SAN JOSE CA	45.1	LIC	BLED T	-20040826AAR
50	KTEH-DT	SAN JOSE CA	45.4	PLN	DTVPLN	-DTVP1440
50	KTEH	SAN JOSE CA	45.1	APP	BPED T	-20080620AKJ
56	KTVU-DT	OAKLAND CA	50.9	PLN	DTVPLN	-DTVP1580
57	KRON-DT	SAN FRANCISCO CA	50.9	PLN	DTVPLN	-DTVP1601
49	K42HE	UKIAH CA	77.9	APP	USERRECORD-01	

Proposal causes no interference

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# Analysis of Interference to Affected Station 6

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	K42HE	UKIAH CA	BLTTL	-20081222ABC

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	KFSF-TV	VALLEJO CA	131.0	LIC	BLCD T	-20030620ABV
34	KPST-DT	VALLEJO CA	131.0	PLN	DTVPLN	-DTVP0927
39	KCNS-DT	SAN FRANCISCO CA	131.0	PLN	DTVPLN	-DTVP1080
39	KCNS	SAN FRANCISCO CA	131.0	LIC	BLCD T	-20060221AES
41	DKKPM-LD	CHICO CA	137.5	APP	BDISDTL	-20070305ACT
41	DKKPM-LD	CHICO CA	137.5	APP	BSTA	-20080926AFL
41	DKKPM-LD	CHICO CA	137.5	CP	BDISDTL	-20070411ACU
41	K41AF	UKIAH CA	45.9	LIC	BLTT	-19830125IM
42	KTNC-TV	CONCORD CA	153.1	LIC	BLCT	-19830630KF
42	KVHF-LP	FRESNO CA	385.3	CP	BDISDTL	-20090108AOE
42	KJEO-LD	FRESNO CA	385.3	CP	BDCCDTL	-20081205AAL
42	KBKF-LD	GLEN ARBOR CA	204.8	CP MOD	BMPDTL	-20070927AJO
42	K42HL	OROVILLE/PARADISE CA	187.5	APP	BSTA	-20060310AAZ
42	KQSX-LP	REDDING CA	306.0	CP	BDFCDTL	-20061206AFH
42	KMSX-LD	SACRAMENTO CA	204.1	APP	BDISDTL	-20090210ABO
42	KAXT-LD	SANTA CLARA-SAN JOSE CA	184.9	APP	BMPDTL	-20090114ABH
42	KAXT-LD	SANTA CLARA-SAN JOSE CA	138.2	CP	BDCCDTL	-20060928AHY
43	KCSM-TV	SAN MATEO CA	131.0	LIC	BLED T	-20030822AFZ

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

43	KCSM-DR	SAN MATEO CA	131.0	LIC	BPRM	-20011009ADM
43	K43AF	UKIAH CA	45.9	LIC	BLTT	-19830125IL
44	KBCW	SAN FRANCISCO CA	131.0	LIC	BLCT	-19881220KG
45	KBCW	SAN FRANCISCO CA	131.0	LIC	BLCDDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	131.0	PLN	DTVPLN	-DTVP1290
56	KTVU-DT	OAKLAND CA	131.0	PLN	DTVPLN	-DTVP1580
57	K57CT	BOONVILLE, ETC. CA	26.6	LIC	BLTT	-19830110IJ
57	KRON-DT	SAN FRANCISCO CA	131.0	PLN	DTVPLN	-DTVP1601
49	K42HE	UKIAH CA	75.3	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 7

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	K45HC	SACRAMENTO CA	BLTT	-20040325AAX

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KKPX	SAN JOSE CA	104.7	LIC	BLCDDT	-20021108ABD
41	KLXV-DT	SAN JOSE CA	131.9	PLN	DTVPLN	-DTVP1152
42	KTNC-TV	CONCORD CA	54.6	LIC	BLCT	-19830630KF
43	NEW	SACRAMENTO CA	68.5	APP	BNPEDT	-20030922AAX
43	NEW	SACRAMENTO CA	35.1	APP	BNPEDT	-20030922AFV
43	900312KG	SACRAMENTO CA	68.5	APP	BPEDT	-19900312KG
43	NEW	SACRAMENTO CA	66.7	APP	BNPEDT	-20030919AAV
43	NEW	SACRAMENTO CA	68.5	APP	BNPEDT	-20030922ADI
43	NEW	SACRAMENTO CA	68.5	APP	BNPEDT	-20030922ADW
43	NEW	SACRAMENTO CA	68.5	APP	BNPEDT	-20030922AFW
43	NEW	SACRAMENTO CA	2.2	APP	BNPEDT	-20030922ADP
43	NEW	SACRAMENTO CA	35.1	APP	BNPEDT	-20030922AFV
43	NEW	SACRAMENTO CA	68.5	APP	BNPEDT	-20030922AFZ
43	NEW	SACRAMENTO CA	68.5	LIC	BPRM	-20000717ABT
43	KSBW-DT	SALINAS CA	136.5	PLN	DTVPLN	-DTVP1219
43	KCSM-TV	SAN MATEO CA	101.5	LIC	BLEDT	-20030822AFZ
43	KCSM-DR	SAN MATEO CA	101.5	LIC	BPRM	-20011009ADM
44	K49EO	MODESTO CA	64.9	CP	BDFCDTT	-20060322ABD
44	KRJR-LP	SACRAMENTO CA	48.0	LIC	BLTTTL	-20081112AEY
44	KBCW	SAN FRANCISCO CA	101.5	LIC	BLCT	-19881220KG
45	KLDF-LD	LOMPOC CA	402.7	CP	BDCCDTL	-20061027AAX
45	K27GZ	MARIPOSA CA	152.0	CP	BDISDTT	-20060321AFC
45	KBCW	SAN FRANCISCO CA	101.5	LIC	BLCDDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	101.5	PLN	DTVPLN	-DTVP1290
45	K45AH	UKIAH CA	168.3	LIC	BLTT	-19830125IK
45	K45GZ	DAYTON NV	202.7	LIC	BLTT	-20020715AAH
45	K45GZ	DAYTON NV	202.7	APP	BPTT	-20000824AAR
46	KQCA	STOCKTON CA	0.0	LIC	BLCDDT	-20060623AAM
46	KQCA-DT	STOCKTON CA	2.9	PLN	DTVPLN	-DTVP1319
47	KWOK-DT	NOVATO CA	97.2	PLN	DTVPLN	-DTVP1352



# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

47	KTLN-TV	NOVATO CA	97.1	CP	BPCDT	-19991026ABE
48	KSPX	SACRAMENTO CA	0.0	LIC	BLCDT	-20050110ABB
48	KCMY-DT	SACRAMENTO CA	68.5	PLN	DTVPLN	-DTVP1384
48	KSTS	SAN JOSE CA	91.5	LIC	BLCT	-19990721KE
49	KSTS-DT	SAN JOSE CA	92.7	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	91.5	LIC	BLCDT	-20030507AAT
52	KICU-DT	SAN JOSE CA	92.5	PLN	DTVPLN	-DTVP1501
53	KVIE-DT	SACRAMENTO CA	1.5	PLN	DTVPLN	-DTVP1525
59	KCSM-DT	SAN MATEO CA	104.8	PLN	DTVPLN	-DTVP1644
60	KCSM-TV	SAN MATEO CA	104.8	LIC	BLET	-19980730KF
49	K42HE	UKIAH CA	95.2	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 8

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	K45AH	UKIAH CA	BLTT	-19830125IK

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	NEW	LAKEPORT CA	15.1	APP	BNPTTL	-20000828AMT
44	NEW	LAKEPORT CA	15.1	APP	BNPTTL	-20000828ARO
44	KTJH-LP	UKIAH CA	12.0	CP	BPTTL	-20080625ABN
45	K27GZ	MARIPOSA CA	320.2	CP	BDISDTT	-20060321AFC
45	K45IV	REDDING CA	181.2	CP	BNPTTL	-20000831BYI
45	K45HC	SACRAMENTO CA	168.3	LIC	BLTT	-20040325AAX
45	K45HC	SACRAMENTO CA	168.3	CP	BDFCDTT	-20060330AAG
45	KBCW	SAN FRANCISCO CA	161.4	LIC	BLCDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	161.4	PLN	DTVPLN	-DTVP1290
45	K45KE-D	JACKSONVILLE OR	360.2	CP MOD	BMPDIT	-20080528ABG
46	K46DR	LAKEPORT CA	31.5	LIC	BLTT	-19941103IB
46	K46HI	REDDING CA	177.7	CP	BDFCDTL	-20060329AIY
47	KWOK-DT	NOVATO CA	116.2	PLN	DTVPLN	-DTVP1352
47	KTLN-TV	NOVATO CA	116.0	CP	BPCDT	-19991026ABE
49	K42HE	UKIAH CA	96.6	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 9

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	K46DR	LAKEPORT CA	BLTT	-19941103IB

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	KCNS-DT	SAN FRANCISCO CA	139.9	PLN	DTVPLN	-DTVP1080
39	KCNS	SAN FRANCISCO CA	139.9	LIC	BLCDDT	-20060221AES
43	KHSL-DT	CHICO CA	140.6	PLN	DTVPLN	-DTVP1217
43	KHSL-TV	CHICO CA	140.6	CP	BPCDDT	-20070124AKD
43	NEW	SACRAMENTO CA	137.5	APP	BNPEDT	-20030922ADP
43	KCSM-TV	SAN MATEO CA	139.9	LIC	BLEDT	-20030822AFZ
43	KCSM-DR	SAN MATEO CA	139.9	LIC	BPRM	-20011009ADM
45	K45HC	SACRAMENTO CA	137.1	CP	BDFCDTT	-20060330AAG
45	K45AH	UKIAH CA	31.5	LIC	BLTT	-19830125IK
46	K56DZ	FRESNO CA	357.0	CP	BDFCDTT	-20060327AJR
46	K56DZ	FRESNO CA	357.0	CP	BDISDTT	-20080228ABP
46	K56DZ	FRESNO CA	357.0	APP	BDISDTT	-20071003AAX
46	KION-TV	MONTEREY CA	290.9	LIC	BMLCT	-19820622KG
46	K46HI	REDDING CA	186.3	CP	BDFCDTL	-20060329AIY
46	K46HI	REDDING CA	186.3	LIC	BLTTL	-20040329ABN
46	KQCA	STOCKTON CA	137.1	LIC	BLCDDT	-20060623AAM
46	KQCA-DT	STOCKTON CA	138.0	PLN	DTVPLN	-DTVP1319
46	KAZR-CA	RENO, ETC NV	251.2	LIC	BLTTA	-20051114AFU
46	KAZR-CA	RENO, ETC. NV	251.2	APP	BSTA	-20061116AEF
46	KAZR-CA	RENO, ETC. NV	251.2	APP	BSTA	-20070207ABM
47	KWOK-DT	NOVATO CA	94.8	PLN	DTVPLN	-DTVP1352
47	KTLN-TV	NOVATO CA	94.5	CP	BPCDDT	-19991026ABE
47	K47AL	UKIAH CA	31.5	LIC	BLTTL	-19830223IB
48	KSPX	SACRAMENTO CA	137.1	LIC	BLCDDT	-20050110ABB
53	KVIE-DT	SACRAMENTO CA	135.6	PLN	DTVPLN	-DTVP1525
54	KFTY-DT	SANTA ROSA CA	37.5	PLN	DTVPLN	-DTVP1543
61	KXTV-DT	SACRAMENTO CA	138.0	PLN	DTVPLN	-DTVP1666
49	K42HE	UKIAH CA	73.2	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 10

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	K46DR	LAKEPORT CA	BSTA	-20061016ADK

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	KCNS-DT	SAN FRANCISCO CA	102.6	PLN	DTVPLN	-DTVP1080
39	KCNS	SAN FRANCISCO CA	102.6	LIC	BLCDDT	-20060221AES
43	NEW	SACRAMENTO CA	129.6	APP	BNPEDT	-20030922AFV
43	NEW	SACRAMENTO CA	142.1	APP	BNPEDT	-20030919AAV
43	NEW	SACRAMENTO CA	108.6	APP	BNPEDT	-20030922ADP
43	NEW	SACRAMENTO CA	129.6	APP	BNPEDT	-20030922AFV
43	KCSM-TV	SAN MATEO CA	102.6	LIC	BLEDT	-20030822AFZ

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

43	KCSM-DR	SAN MATEO CA	102.6	LIC	BPRM	-20011009ADM
45	K45HC	SACRAMENTO CA	108.6	CP	BDFCDTT	-20060330AAG
45	KBCW	SAN FRANCISCO CA	102.6	LIC	BLCDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	102.6	PLN	DTVPLN	-DTVP1290
46	K56DZ	FRESNO CA	325.6	CP	BDFCDTT	-20060327AJR
46	K56DZ	FRESNO CA	325.6	CP	BDISDTT	-20080228ABP
46	K56DZ	FRESNO CA	325.6	APP	BDISDTT	-20071003AAX
46	KION-TV	MONTEREY CA	253.1	LIC	BMLCT	-19820622KG
46	K46HI	REDDING CA	221.0	CP	BDFCDTL	-20060329AIY
46	K46HI	REDDING CA	221.0	LIC	BLTTL	-20040329ABN
46	KQCA	STOCKTON CA	108.6	LIC	BLCDT	-20060623AAM
46	KQCA-DT	STOCKTON CA	108.9	PLN	DTVPLN	-DTVP1319
46	KAZR-CA	RENO, ETC NV	247.6	LIC	BLTTA	-20051114AFU
46	KAZR-CA	RENO, ETC. NV	247.6	APP	BSTA	-20061116AEF
46	KAZR-CA	RENO, ETC. NV	247.6	APP	BSTA	-20070207ABM
47	KWOK-DT	NOVATO CA	57.9	PLN	DTVPLN	-DTVP1352
47	KTLN-TV	NOVATO CA	57.7	CP	BPCDT	-19991026ABE
48	KSPX	SACRAMENTO CA	108.6	LIC	BLCDT	-20050110ABB
49	KSTS	SAN JOSE CA	145.8	LIC	BLCDT	-20030507AAT
53	KVIE-DT	SACRAMENTO CA	107.1	PLN	DTVPLN	-DTVP1525
54	KFTY-DT	SANTA ROSA CA	0.4	PLN	DTVPLN	-DTVP1543
60	KCSM-TV	SAN MATEO CA	110.5	LIC	BLET	-19980730KF
61	KXTV-DT	SACRAMENTO CA	108.9	PLN	DTVPLN	-DTVP1666
49	K42HE	UKIAH CA	35.9	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 11

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	K47AL	UKIAH CA	BLTTL -19830223IB

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	K46DR	LAKEPORT CA	31.5	LIC	BLTT -19941103IB
46	K46HI	REDDING CA	177.7	CP	BDFCDTL -20060329AIY
47	K47LO	CHICO CA	131.4	CP	BNPTTL -20000830BTR
47	K47EH	EUREKA CA	194.0	CP	BDFCDTT -20060315AFE
47	K47EH	EUREKA CA	194.0	LIC	BLTT -19961223JA
47	KGPE	FRESNO CA	393.3	LIC	BLCT -20041020AAJ
47	KWOK-DT	NOVATO CA	116.2	PLN	DTVPLN -DTVP1352
47	KTLN-TV	NOVATO CA	116.0	CP	BPCDT -19991026ABE
47	KRDT-CA	REDDING CA	168.0	LIC	BLTTA -20050908ADH
47	K47LC-D	SALINAS CA	297.2	CP	BDCCDTL -20061026ABR
47	KMMW-LP	STOCKTON CA	233.6	LIC	BLTTL -20000517AFI
47	K47KJ-D	VERDI NV	275.9	LIC	BLDTT -20090102ABO
47	K47GI	GRANTS PASS OR	363.2	APP	BDFCDTA -20060728ABI
47	K47LD-D	PHOENIX, TALENT OR	354.7	LIC	BLDTT -20080528ACV
54	KFTY-DT	SANTA ROSA CA	63.9	PLN	DTVPLN -DTVP1543
49	K42HE	UKIAH CA	96.6	APP	USERRECORD-01

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 12

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	K48KB	CHICO CA	BNPTTL -20000831AEH

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	K47EH	EUREKA CA	178.3	CP	BDFCDTT -20060315AFE
47	K47KJ-D	VERDI NV	205.9	LIC	BLDTT -20090102ABO
48	KDAS-LP	CLARKS CROSSING CA	141.9	LIC	BLTTL -20060901ACD
48	K48DI	LITCHFIELD CA	177.6	LIC	BLTTL -20080724ABO
48	KSPX	SACRAMENTO CA	177.6	LIC	BLCDDT -20050110ABB
48	KCMY-DT	SACRAMENTO CA	176.0	PLN	DTVPLN -DTVP1384
48	KSTS	SAN JOSE CA	250.2	LIC	BLCT -19990721KE
48	K48LA-D	SOUTH LAKE TAHOE CA	198.8	LIC	BLDTT -20081010BFY
48	KNCV-LP	CARSON CITY, ETC. NV	231.2	LIC	BLTTL -20030421ACJ
48	K48GG	HAWTHORNE NV	338.8	CP	BDFCDTT -20090209AOX
48	KFBI-LP	MEDFORD OR	288.6	CP	BDFCDTA -20060703AAB
49	KSAO-LP	SACRAMENTO CA	160.1	APP	BDFCDTL -20090220AEA
49	K49CK	STEAD/LAWTON NV	206.4	CP	BDFCDTT -20081020ALD
49	K42HE	UKIAH CA	154.0	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 13

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	K48KB	CHICO CA	BMPTTL -20090309AAK

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	K47LO	CHICO CA	23.1	CP	BNPTTL -20000830BTR
47	K47EH	EUREKA CA	195.9	CP	BDFCDTT -20060315AFE
47	K47KJ-D	VERDI NV	182.1	LIC	BLDTT -20090102ABO
48	K48DI	LITCHFIELD CA	153.8	LIC	BLTTL -20080724ABO
48	KSPX	SACRAMENTO CA	171.6	LIC	BLCDDT -20050110ABB
48	KCMY-DT	SACRAMENTO CA	161.4	PLN	DTVPLN -DTVP1384
48	KSTS	SAN JOSE CA	250.1	LIC	BLCT -19990721KE
48	K48LA-D	SOUTH LAKE TAHOE CA	177.6	LIC	BLDTT -20081010BFY
48	KNCV-LP	CARSON CITY, ETC. NV	208.4	LIC	BLTTL -20030421ACJ

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

48	K48GG	HAWTHORNE NV	318.0	CP	BDFCDTT	-20090209AOX
48	KFBI-LP	MEDFORD OR	289.7	CP	BDFCDTA	-20060703AAB
49	KSAO-LP	SACRAMENTO CA	147.2	APP	BDFCDTL	-20090220AEA
49	K49CK	STEAD/LAWTON NV	182.7	CP	BDFCDTT	-20081020ALD
49	K42HE	UKIAH CA	161.6	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 14

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	KDAS-LP	CLARKS CROSSING CA	BLTTL	-20060901ACD

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KKPX	SAN JOSE CA	105.3	LIC	BLCDDT	-20021108ABD
45	KBCW	SAN FRANCISCO CA	97.8	LIC	BLCDDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	97.8	PLN	DTVPLN	-DTVP1290
46	KQCA	STOCKTON CA	131.6	LIC	BLCDDT	-20060623AAM
46	KQCA-DT	STOCKTON CA	131.4	PLN	DTVPLN	-DTVP1319
47	KWOK-DT	NOVATO CA	54.0	PLN	DTVPLN	-DTVP1352
47	KTLN-TV	NOVATO CA	53.9	CP	BPCDDT	-19991026ABE
48	K48KB	CHICO CA	141.9	CP	BNPTTL	-20000831AEH
48	KSPX	SACRAMENTO CA	131.6	LIC	BLCDDT	-20050110ABB
48	KCMY-DT	SACRAMENTO CA	183.1	PLN	DTVPLN	-DTVP1384
48	KSTS	SAN JOSE CA	149.8	LIC	BLCT	-19990721KE
48	K48LA-D	SOUTH LAKE TAHOE CA	248.7	LIC	BLDDT	-20081010BFY
48	K48GG	HAWTHORNE NV	365.3	CP	BDFCDTT	-20090209AOX
49	KSAO-LP	SACRAMENTO CA	162.3	APP	BDFCDTL	-20090220AEA
55	KTXL-DT	SACRAMENTO CA	130.2	PLN	DTVPLN	-DTVP1561
55	KTXL	SACRAMENTO CA	130.2	LIC	BLCDDT	-20041014AEL
56	KTVU-DT	OAKLAND CA	97.8	PLN	DTVPLN	-DTVP1580
62	KTFK-TV	STOCKTON CA	116.7	LIC	BLCDDT	-20051129AOJ
62	KFTL-DT	STOCKTON CA	117.2	PLN	DTVPLN	-DTVP1670
63	KTNC-TV	CONCORD CA	116.7	LIC	BLCDDT	-20060629ABI
63	KTNC-DT	CONCORD CA	117.3	PLN	DTVPLN	-DTVP1673
49	K42HE	UKIAH CA	39.6	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 15

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
48	KCMY-DT	SACRAMENTO CA	DTVPLN	-DTVP1384

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	KJEO	FRESNO CA	214.0	PLN	DTVPLN	-NPLN1714
47	KWOK-DT	NOVATO CA	160.5	PLN	DTVPLN	-DTVP1352
48	KKAG-DT	PORTERVILLE CA	315.4	PLN	DTVPLN	-DTVP1383
48	KSTS	SAN JOSE CA	154.9	PLN	DTVPLN	-NPLN1730
49	KSTS-DT	SAN JOSE CA	154.9	PLN	DTVPLN	-DTVP1411

Results for: 48A CA SACRAMENTO DTVPLN DTVP1384 PLN  
 HAAT 321.0 m, ATV ERP 270.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1588517	13989.1
not affected by terrain losses	1573996	13049.7
lost to NTSC IX	11518	407.6
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	11518	407.6

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
29	KCMY	SACRAMENTO CA	DTVPLN	-NPLN1352

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	KPWB-DT	SACRAMENTO CA	68.5	PLN	DTVPLN	-DTVP0428
21	KAMETV	RENO NV	139.9	PLN	DTVPLN	-NPLN1119
22	KRCB	COTATI CA	152.8	PLN	DTVPLN	-NPLN1133
22	KAME-DT	RENO NV	139.9	PLN	DTVPLN	-DTVP0498
25	KOVR-DT	STOCKTON CA	71.0	PLN	DTVPLN	-DTVP0595
26	KREN-DT	RENO NV	113.2	PLN	DTVPLN	-DTVP0646
27	KRENTV	RENO NV	113.2	PLN	DTVPLN	-NPLN1312
29	KBAKTV	BAKERSFIELD CA	406.3	PLN	DTVPLN	-NPLN1350
29	KBVU	EUREKA CA	363.1	PLN	DTVPLN	-NPLN1351
29	KPIX-DT	SAN FRANCISCO CA	170.0	PLN	DTVPLN	-DTVP0737
29	KDKF-DT	KLAMATH FALLS OR	390.9	PLN	DTVPLN	-DTVP0760
30	KCVU	PARADISE CA	165.4	PLN	DTVPLN	-NPLN1375
30	KQED-DT	SAN FRANCISCO CA	170.0	PLN	DTVPLN	-DTVP0778
31	KPWBTV	SACRAMENTO CA	68.5	PLN	DTVPLN	-NPLN1400
32	KTVN-DT	RENO NV	121.1	PLN	DTVPLN	-DTVP0873
36	KICUTV	SAN JOSE CA	154.7	PLN	DTVPLN	-NPLN1514
44	KBHKT	SAN FRANCISCO CA	170.0	PLN	DTVPLN	-NPLN1654
44	KRXI-DT	RENO NV	133.4	PLN	DTVPLN	-DTVP1277

Results for: 29N CA SACRAMENTO DTVPLN NPLN1352 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1589292	13992.9
not affected by terrain losses	1574230	13028.1
lost to NTSC IX	0	2.9
lost to additional IX by ATV	68243	1667.7
lost to all IX	68243	1670.7

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	KSPX	SACRAMENTO CA	BLCDT	-20050110ABB

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	KGPE	FRESNO CA	225.0	LIC	BLCT	-20041020AAJ
47	KWOK-DT	NOVATO CA	97.2	PLN	DTVPLN	-DTVP1352
47	KTLN-TV	NOVATO CA	97.1	CP	BPCDT	-19991026ABE
48	KTFF-TV	PORTERVILLE CA	321.4	LIC	BLCDDT	-20020920ADD
48	KKAG-DT	PORTERVILLE CA	321.4	PLN	DTVPLN	-DTVP1383
48	KSTS	SAN JOSE CA	91.5	LIC	BLCT	-19990721KE
49	KSTS-DT	SAN JOSE CA	92.7	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	91.5	LIC	BLCDDT	-20030507AAT
49	K42HE	UKIAH CA	95.2	APP	USERRECORD-01	

Total scenarios = 16

Result key: 6

Scenario 6 Affected station 15 KSPX

Before Analysis

Results for: 48A CA SACRAMENTO BLCDDT 20050110ABB LIC

HAAT 489.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5103614	35398.0
not affected by terrain losses	3652889	31061.2
lost to NTSC IX	204001	1405.0
lost to additional IX by ATV	27279	244.5
lost to ATV IX only	71683	795.3
lost to all IX	231280	1649.5

Potential Interfering Stations Included in above Scenario 6

48N CA SAN JOSE	BLCT	19990721KE	LIC
47A CA NOVATO	BPCDT	19991026ABE	CP
48A CA PORTERVILLE	BLCDDT	20020920ADD	LIC
49A CA SAN JOSE	BLCDDT	20030507AAT	LIC

After Analysis

Results for: 48A CA SACRAMENTO BLCDDT 20050110ABB LIC

HAAT 489.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5103614	35398.0
not affected by terrain losses	3652889	31061.2
lost to NTSC IX	204001	1405.0
lost to additional IX by ATV	27392	258.2
lost to ATV IX only	72361	834.6
lost to all IX	231393	1663.2

Potential Interfering Stations Included in above Scenario 6

48N CA SAN JOSE	BLCT	19990721KE	LIC
47A CA NOVATO	BPCDT	19991026ABE	CP
48A CA PORTERVILLE	BLCDDT	20020920ADD	LIC
49A CA SAN JOSE	BLCDDT	20030507AAT	LIC
49A CA UKIAH	USERRECORD01		APP

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

Percent new IX = 0.0072%

Worst case new IX 0.0072% Scenario 6

(NOTE: WORST-CASE SCENARIO TO THIS AFFECTED STATION IS SHOWN—ALL OTHERS HAVE BEEN REMOVE. ALL REMOVED SCENARIOS SHOW THE SAME OR LESS NEW INTERFERENCE THAN SHOWN BY THE WORST-CASE SCENARIO.)

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## Analysis of Interference to Affected Station 16

### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
48	KSTS	SAN JOSE CA	DTVPLN	-NPLN1730

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	KTXL	SACRAMENTO CA	93.0	PLN	DTVPLN	-NPLN1578
41	KLXV-DT	SAN JOSE CA	41.5	PLN	DTVPLN	-DTVP1152
45	KBHK-DT	SAN FRANCISCO CA	59.8	PLN	DTVPLN	-DTVP1290
46	KION	MONTEREY CA	107.8	PLN	DTVPLN	-NPLN1695
46	KQCA-DT	STOCKTON CA	89.8	PLN	DTVPLN	-DTVP1319
47	KWOK-DT	NOVATO CA	97.6	PLN	DTVPLN	-DTVP1352
48	KKAG-DT	PORTERVILLE CA	300.1	PLN	DTVPLN	-DTVP1383
48	KCMY-DT	SACRAMENTO CA	154.9	PLN	DTVPLN	-DTVP1384
49	KSTS-DT	SAN JOSE CA	0.0	PLN	DTVPLN	-DTVP1411
50	KTEH-DT	SAN JOSE CA	0.2	PLN	DTVPLN	-DTVP1440
51	KDTV-DT	SAN FRANCISCO CA	1.7	PLN	DTVPLN	-DTVP1470
52	KICU-DT	SAN JOSE CA	0.4	PLN	DTVPLN	-DTVP1501
55	KTXL-DT	SACRAMENTO CA	93.0	PLN	DTVPLN	-DTVP1561
56	KTVU-DT	OAKLAND CA	59.8	PLN	DTVPLN	-DTVP1580
62	KFTL-DT	STOCKTON CA	45.5	PLN	DTVPLN	-DTVP1670
63	KTNC-DT	CONCORD CA	45.5	PLN	DTVPLN	-DTVP1673

Results for: 48N CA SAN JOSE		DTVPLN	NPLN1730	PLN
	POPULATION	AREA (sq km)		
within Noise Limited Contour	5865938	23320.9		
not affected by terrain losses	4792987	13064.6		
lost to NTSC IX	46	32.8		
lost to additional IX by ATV	219620	917.9		
lost to all IX	219666	950.6		

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	KSTS	SAN JOSE CA	BLCT	-19990721KE

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	KTXL	SACRAMENTO CA	91.7	LIC	BLCT	-19851112KI
41	KKPX	SAN JOSE CA	53.8	LIC	BLCDT	-20021108ABD



# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

41	KLXV-DT	SAN JOSE CA	43.2	PLN	DTVPLN	-DTVP1152
45	KBCW	SAN FRANCISCO CA	58.5	LIC	BLCDDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	58.5	PLN	DTVPLN	-DTVP1290
46	KION-TV	MONTEREY CA	109.5	LIC	BMLCT	-19820622KG
46	KQCA	STOCKTON CA	91.5	LIC	BLCDDT	-20060623AAM
46	KQCA-DT	STOCKTON CA	88.5	PLN	DTVPLN	-DTVP1319
47	KWOK-DT	NOVATO CA	96.0	PLN	DTVPLN	-DTVP1352
47	KTLN-TV	NOVATO CA	96.1	CP	BPCDDT	-19991026ABE
48	KTFF-TV	PORTERVILLE CA	301.4	LIC	BLCDDT	-20020920ADD
48	KKAG-DT	PORTERVILLE CA	301.4	PLN	DTVPLN	-DTVP1383
48	KSPX	SACRAMENTO CA	91.5	LIC	BLCDDT	-20050110ABB
48	KCMY-DT	SACRAMENTO CA	154.0	PLN	DTVPLN	-DTVP1384
49	KSTS-DT	SAN JOSE CA	1.7	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	0.0	LIC	BLCDDT	-20030507AAT
50	KTEH	SAN JOSE CA	1.3	LIC	BLEDT	-20040826AAR
50	KTEH-DT	SAN JOSE CA	1.6	PLN	DTVPLN	-DTVP1440
50	KTEH	SAN JOSE CA	1.3	APP	BPEDT	-20080620AKJ
51	KDTV-DT	SAN FRANCISCO CA	0.0	PLN	DTVPLN	-DTVP1470
52	KICU-DT	SAN JOSE CA	1.3	PLN	DTVPLN	-DTVP1501
55	KTXL-DT	SACRAMENTO CA	91.7	PLN	DTVPLN	-DTVP1561
55	KTXL	SACRAMENTO CA	91.7	LIC	BLCDDT	-20041014AEL
56	KTVU-DT	OAKLAND CA	58.5	PLN	DTVPLN	-DTVP1580
62	KTFK-TV	STOCKTON CA	42.7	LIC	BLCDDT	-20051129AOJ
62	KFTL-DT	STOCKTON CA	43.9	PLN	DTVPLN	-DTVP1670
63	KTNC-TV	CONCORD CA	42.7	LIC	BLCDDT	-20060629ABI
63	KTNC-DT	CONCORD CA	43.8	PLN	DTVPLN	-DTVP1673
49	K42HE	UKIAH CA	112.8	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 17

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	NEW	EUREKA CA	BNPTTL -20000828AMQ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	KFBI-LP	MEDFORD OR	202.3	CP	BDFCDTA -20060703AAB
49	NEW	EUREKA CA	15.4	APP	BNPTTL -20000807ABU
49	NEW	EUREKA CA	0.0	APP	BNPTTL -20000828ARL
49	NEW	EUREKA CA	1.9	APP	BNPTTL -20000824AEB
49	KSAO-LP	SACRAMENTO CA	337.5	APP	BDFCDTL -20090220AEA
49	K49CK	STEAD/LAWTON NV	366.0	CP	BDFCDTT -20081020ALD
49	KBSC-LP	BROOKINGS OR	148.9	LIC	BLTTL -19921120ID
49	K49DM-D	COOS BAY OR	292.9	LIC	BLDTL -20090226AAO
49	K34BV	MURPHY, ETC. OR	196.0	CP	BDISDTT -20060331BFX
50	K50GP	REDDING CA	135.1	CP	BDFCDTT -20060329AJR
64	NEW	EUREKA CA	1.9	APP	BNPTTL -20000829ARI
49	K42HE	UKIAH CA	290.3	APP	USERRECORD-01

Proposal causes no interference

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

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## Analysis of Interference to Affected Station 18

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	NEW	EUREKA CA	BNPTTL -20000807ABU

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	KFBI-LP	MEDFORD OR	202.2	CP	BDFCDTA -20060703AAB
49	NEW	EUREKA CA	15.4	APP	BNPTTL -20000828AMQ
49	NEW	EUREKA CA	15.4	APP	BNPTTL -20000828ARL
49	NEW	EUREKA CA	16.8	APP	BNPTTL -20000824AEB
49	KSAO-LP	SACRAMENTO CA	352.7	APP	BDFCDTL -20090220AEA
49	K49CK	STEAD/LAWTON NV	381.1	CP	BDFCDTT -20081020ALD
49	K49DM-D	COOS BAY OR	284.0	LIC	BLDTL -20090226AAO
49	K34BV	MURPHY, ETC. OR	192.5	CP	BDISDTT -20060331BFX
50	K50GP	REDDING CA	149.0	CP	BDFCDTT -20060329AJR
64	NEW	EUREKA CA	16.8	APP	BNPTTL -20000829ARI
49	K42HE	UKIAH CA	303.3	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 19

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	NEW	EUREKA CA	BNPTTL -20000828ARL

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	KFBI-LP	MEDFORD OR	202.3	CP	BDFCDTA -20060703AAB
49	NEW	EUREKA CA	0.0	APP	BNPTTL -20000828AMQ
49	NEW	EUREKA CA	15.4	APP	BNPTTL -20000807ABU
49	NEW	EUREKA CA	1.9	APP	BNPTTL -20000824AEB
49	KSAO-LP	SACRAMENTO CA	337.5	APP	BDFCDTL -20090220AEA
49	K49CK	STEAD/LAWTON NV	366.0	CP	BDFCDTT -20081020ALD
49	KBSC-LP	BROOKINGS OR	148.9	LIC	BLTTL -19921120ID
49	K49DM-D	COOS BAY OR	292.9	LIC	BLDTL -20090226AAO
49	K34BV	MURPHY, ETC. OR	196.0	CP	BDISDTT -20060331BFX
50	K50GP	REDDING CA	135.1	CP	BDFCDTT -20060329AJR
64	NEW	EUREKA CA	1.9	APP	BNPTTL -20000829ARI
49	K42HE	UKIAH CA	290.3	APP	USERRECORD-01

Proposal causes no interference

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# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Analysis of Interference to Affected Station 20

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	NEW	EUREKA CA	BNPTTL -20000824AEB

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48GP	EUREKA CA	38.7	LIC	BLTTL -20001207ABW
48	KFBI-LP	MEDFORD OR	201.0	CP	BDFCDTA -20060703AAB
49	NEW	EUREKA CA	1.9	APP	BNPTTL -20000828AMQ
49	NEW	EUREKA CA	16.8	APP	BNPTTL -20000807ABU
49	NEW	EUREKA CA	1.9	APP	BNPTTL -20000828ARL
49	KSAO-LP	SACRAMENTO CA	336.4	APP	BDFCDTL -20090220AEA
49	K49CK	STEAD/LAWTON NV	364.4	CP	BDFCDTT -20081020ALD
49	K49DM-D	COOS BAY OR	292.6	LIC	BLDTL -20090226AAO
49	K34BV	MURPHY, ETC. OR	195.0	CP	BDISDTT -20060331BFX
50	K50EQ	EUREKA CA	38.7	LIC	BLTTL -20001207ABU
50	K50GP	REDDING CA	133.3	CP	BDFCDTT -20060329AJR
64	NEW	EUREKA CA	0.0	APP	BNPTTL -20000829ARI
49	K42HE	UKIAH CA	289.9	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 21

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49EA	LONG VALLEY CA	BLTTL -19940117JC

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48LA-D	SOUTH LAKE TAHOE CA	203.5	LIC	BLDTT -20081010BFY
48	K48GG	HAWTHORNE NV	96.0	CP	BDFCDTT -20090209AOX
49	K49AA	INYOKERN, ETC CA	256.0	CP	BDFCDTT -20051011AAZ
49	KMPH-LD	MERCED-MARIPOSA CA	111.5	CP	BDCCDTL -20061004AIN
49	KSAO-LP	SACRAMENTO CA	231.6	APP	BDFCDTL -20090220AEA
49	NEW	SAN BERNARDINO CA	406.6	APP	BDCCDTL -20061026AET
49	KSTS-DT	SAN JOSE CA	269.5	PLN	DTVPLN -DTVP1411
49	KSTS	SAN JOSE CA	270.0	LIC	BLCDT -20030507AAT
49	KPXA-LP	SANTA MARIA CA	323.2	CP	BDFCDTL -20080428ACP
49	KJLA	VENTURA CA	380.6	LIC	BLCDT -20041117AAB
49	KSTV-DT	VENTURA CA	363.6	PLN	DTVPLN -DTVP1412
49	KNXT	VISALIA CA	145.7	LIC	BLET -19861211KH
49	K49JI-D	EUREKA NV	321.7	CP	BDCCDTL -20060922AFG
49	KLSV-LD	LAS VEGAS NV	381.8	CP	BDCCDTL -20061016ADJ
49	K49AM	LUND & PRESTON NV	379.9	CP	BDFCDTT -20080303AAT
49	K49CK	STEAD/LAWTON NV	241.6	CP	BDFCDTT -20081020ALD
49	K49BK-D	WINNEMUCCA NV	389.9	LIC	BLDTT -20070404AAJ
50	K50AI	HAWTHORNE NV	96.0	CP	BDFCDTT -20090209AOV

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

49 K42HE UKIAH CA 340.4 APP USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 22

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	KMPH-LD	MERCED-MARIPOSA CA	BDCCDTL	-20061004AIN

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	K48LA-D	SOUTH LAKE TAHOE CA	169.5	LIC	BLDTT	-20081010BFY
48	K48GG	HAWTHORNE NV	152.5	CP	BDFCDTT	-20090209AOX
49	K49AA	INYOKERN, ETC CA	314.7	CP	BDFCDTT	-20051011AAZ
49	KSAO-LP	SACRAMENTO CA	150.5	APP	BDFCDTL	-20090220AEA
49	KSTS-DT	SAN JOSE CA	158.0	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	158.5	LIC	BLCDDT	-20030507AAT
49	KPXA-LP	SANTA MARIA CA	294.6	CP	BDFCDTL	-20080428ACP
49	KSTV-DT	VENTURA CA	371.1	PLN	DTVPLN	-DTVP1412
49	KNXT	VISALIA CA	179.1	LIC	BLET	-19861211KH
49	K49JI-D	EUREKA NV	413.9	CP	BDCCDTL	-20060922AFG
49	K49CK	STEAD/LAWTON NV	225.7	CP	BDFCDTT	-20081020ALD
50	K50AI	HAWTHORNE NV	152.5	CP	BDFCDTT	-20090209AOV
49	K42HE	UKIAH CA	236.1	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 23

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49EO	MODESTO CA	BLTT	-20000306AAN

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KKPX	SAN JOSE CA	124.1	LIC	BLCDDT	-20021108ABD
41	KLXV-DT	SAN JOSE CA	93.8	PLN	DTVPLN	-DTVP1152
42	KTNC-TV	CONCORD CA	81.4	LIC	BLCT	-19830630KF
45	KBCW	SAN FRANCISCO CA	126.1	LIC	BLCDDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	126.1	PLN	DTVPLN	-DTVP1290
46	KQCA	STOCKTON CA	79.6	LIC	BLCDDT	-20060623AAM
46	KQCA-DT	STOCKTON CA	77.8	PLN	DTVPLN	-DTVP1319
48	KSPX	SACRAMENTO CA	79.6	LIC	BLCDDT	-20050110ABB
48	KCMY-DT	SACRAMENTO CA	109.9	PLN	DTVPLN	-DTVP1384
48	KSTS	SAN JOSE CA	76.5	LIC	BLCT	-19990721KE

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

48	K48LA-D	SOUTH LAKE TAHOE CA	175.6	LIC	BLDTT	-20081010BFY
49	K49AA	INYOKERN, ETC CA	383.6	CP	BDFCDTT	-20051011AAZ
49	KMPH-LD	MERCED-MARIPOSA CA	84.2	CP	BDCCDTL	-20061004AIN
49	KSAO-LP	SACRAMENTO CA	111.1	LIC	BLTTL	-20050822AAI
49	KSAO-LP	SACRAMENTO CA	111.1	APP	BDFCDTL	-20090220AEA
49	KSTS-DT	SAN JOSE CA	76.3	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	76.5	LIC	BLCDT	-20030507AAT
49	KPXA-LP	SANTA MARIA CA	313.7	CP	BDFCDTL	-20080428ACP
49	KNXT	VISALIA CA	246.2	LIC	BLET	-19861211KH
49	K49CK	STEAD/LAWTON NV	235.2	CP	BDFCDTT	-20081020ALD
50	KBIT-LD	CHICO CA	186.3	CP MOD	BMPDTL	-20071009AKX
50	KTEH	SAN JOSE CA	76.4	LIC	BLEDT	-20040826AAR
50	KTEH-DT	SAN JOSE CA	76.4	PLN	DTVPLN	-DTVP1440
50	KTEH	SAN JOSE CA	76.4	APP	BPEDT	-20080620AKJ
51	KDTV-DT	SAN FRANCISCO CA	76.5	PLN	DTVPLN	-DTVP1470
52	KICU-DT	SAN JOSE CA	76.4	PLN	DTVPLN	-DTVP1501
53	KVIE-DT	SACRAMENTO CA	81.0	PLN	DTVPLN	-DTVP1525
56	KTVU-DT	OAKLAND CA	126.1	PLN	DTVPLN	-DTVP1580
57	KRON-TV	SAN FRANCISCO CA	126.1	PLN	DTVPLN	-DTVP1601
63	KTNC-TV	CONCORD CA	82.7	LIC	BLCDT	-20060629ABI
63	KTNC-DT	CONCORD CA	81.4	PLN	DTVPLN	-DTVP1673
64	KTFK-TV	STOCKTON CA	81.6	LIC	BLCT	-19910403KE
49	K42HE	UKIAH CA	156.6	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 24

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49CT	PARADISE CA	BLTT	-19900207JC

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	KCMY-DT	SACRAMENTO CA	124.9	PLN	DTVPLN	-DTVP1384
48	K48LA-D	SOUTH LAKE TAHOE CA	127.4	LIC	BLDTT	-20081010BFY
49	KMPH-LD	MERCED-MARIPOSA CA	261.9	CP	BDCCDTL	-20061004AIN
49	KSAO-LP	SACRAMENTO CA	115.8	LIC	BLTTL	-20050822AAI
49	KSAO-LP	SACRAMENTO CA	115.8	APP	BDFCDTL	-20090220AEA
49	KSTS-DT	SAN JOSE CA	243.3	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	241.8	LIC	BLCDT	-20030507AAT
49	K49CK	STEAD, ETC. NV	131.3	LIC	BLTT	-19900126IB
49	K49CK	STEAD/LAWTON NV	131.3	CP	BDFCDTT	-20081020ALD
49	K49BK-D	WINNEMUCCA NV	348.0	LIC	BLDTT	-20070404AAJ
49	K34BV	MURPHY, ETC. OR	342.7	CP	BDISDTT	-20060331BFX
50	KBIT-LD	CHICO CA	58.3	CP MOD	BMPDTL	-20071009AKX
50	K50GP	REDDING CA	132.1	CP	BDFCDTT	-20060329AJR
49	K42HE	UKIAH CA	173.9	APP	USERRECORD-01	

Proposal causes no interference

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# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Analysis of Interference to Affected Station 25

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	KSAO-LP	SACRAMENTO CA	BLTTTL -20050822AAI

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	KTNC-TV	CONCORD CA	109.2	LIC	BLCT -19830630KF
46	KQCA	STOCKTON CA	54.6	LIC	BLCDDT -20060623AAM
46	KQCA-DT	STOCKTON CA	57.4	PLN	DTVPLN -DTVP1319
47	KWOK-DT	NOVATO CA	141.6	PLN	DTVPLN -DTVP1352
47	KTLN-TV	NOVATO CA	141.5	CP	BPCDDT -19991026ABE
48	KSPX	SACRAMENTO CA	54.6	LIC	BLCDDT -20050110ABB
48	KCMY-DT	SACRAMENTO CA	21.1	PLN	DTVPLN -DTVP1384
48	K48LA-D	SOUTH LAKE TAHOE CA	93.3	LIC	BLDDTT -20081010BFY
48	K48GG	HAWTHORNE NV	204.2	CP	BDFCDTT -20090209AOX
49	KMPH-LD	MERCED-MARIPOSA CA	150.5	CP	BDCCDDL -20061004AIN
49	K49CT	PARADISE CA	115.8	LIC	BLTT -19900207JC
49	KSTS-DT	SAN JOSE CA	145.7	PLN	DTVPLN -DTVP1411
49	KSTS	SAN JOSE CA	144.5	LIC	BLCDDT -20030507AAT
49	KNXT	VISALIA CA	329.5	LIC	BLET -19861211KH
49	K49CK	STEAD, ETC. NV	144.9	LIC	BLTT -19900126IB
49	K49CK	STEAD/LAWTON NV	144.9	CP	BDFCDTT -20081020ALD
49	K49BK-D	WINNEMUCCA NV	387.3	LIC	BLDDTT -20070404AAJ
49	K49FZ	YERINGTON NV	165.0	LIC	BLTT -20020423AAY
50	KBIT-LD	CHICO CA	88.0	CP MOD	BMPDDL -20071009AKX
50	K50AI	HAWTHORNE NV	204.2	CP	BDFCDTT -20090209AOV
51	KDTV-DT	SAN FRANCISCO CA	144.5	PLN	DTVPLN -DTVP1470
52	KICU-DT	SAN JOSE CA	145.4	PLN	DTVPLN -DTVP1501
53	KVIE-DT	SACRAMENTO CA	54.8	PLN	DTVPLN -DTVP1525
63	KTNC-TV	CONCORD CA	111.3	LIC	BLCDDT -20060629ABI
63	KTNC-DT	CONCORD CA	109.2	PLN	DTVPLN -DTVP1673
64	KTFK-TV	STOCKTON CA	109.3	LIC	BLCT -19910403KE
49	K42HE	UKIAH CA	132.9	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 26

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	KSAO-LP	SACRAMENTO CA	BDFCDTL -20090220AEA

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	KSPX	SACRAMENTO CA	54.6	LIC	BLCDDT -20050110ABB
48	KCMY-DT	SACRAMENTO CA	21.1	PLN	DTVPLN -DTVP1384
48	K48LA-D	SOUTH LAKE TAHOE CA	93.3	LIC	BLDDTT -20081010BFY

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

48	K48GG	HAWTHORNE NV	204.2	CP	BDFCDTT	-20090209AOX
49	KMPH-LD	MERCED-MARIPOSA CA	150.5	CP	BDCCDTL	-20061004AIN
49	K49CT	PARADISE CA	115.8	LIC	BLTT	-19900207JC
49	KSTS-DT	SAN JOSE CA	145.7	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	144.5	LIC	BLCDDT	-20030507AAT
49	KPXA-LP	SANTA MARIA CA	423.3	CP	BDFCDTL	-20080428ACP
49	KNXT	VISALIA CA	329.5	LIC	BLET	-19861211KH
49	K49CK	STEAD, ETC. NV	144.9	LIC	BLTT	-19900126IB
49	K49CK	STEAD/LAWTON NV	144.9	CP	BDFCDTT	-20081020ALD
49	K49BK-D	WINNEMUCCA NV	387.3	LIC	BLDTT	-20070404AAJ
50	KBIT-LD	CHICO CA	88.0	CP MOD	BMPDTL	-20071009AKX
50	K50AI	HAWTHORNE NV	204.2	CP	BDFCDTT	-20090209AOV
49	K42HE	UKIAH CA	132.9	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 27

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
49	KSTS-DT	SAN JOSE CA	DTVPLN	-DTVP1411

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	KCMY-DT	SACRAMENTO CA	154.9	PLN	DTVPLN	-DTVP1384
48	KSTS	SAN JOSE CA	0.0	PLN	DTVPLN	-NPLN1730
49	KNXT	VISALIA CA	300.1	PLN	DTVPLN	-NPLN1747
50	KTEH-DT	SAN JOSE CA	0.2	PLN	DTVPLN	-DTVP1440
50	KFTY	SANTA ROSA CA	147.8	PLN	DTVPLN	-NPLN1769

Results for: 49A CA SAN JOSE DTVPLN DTVP1411 PLN

HAAT 631.0 m, ATV ERP 195.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5867478	23354.7
not affected by terrain losses	4969038	14572.5
lost to NTSC IX	2478	100.3
lost to additional IX by ATV	1762	8.9
lost to ATV IX only	1762	8.9
lost to all IX	4240	109.3

### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
48	KSTS	SAN JOSE CA	DTVPLN	-NPLN1730

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	KTXL	SACRAMENTO CA	93.0	PLN	DTVPLN	-NPLN1578
41	KLXV-DT	SAN JOSE CA	41.5	PLN	DTVPLN	-DTVP1152
45	KBHK-DT	SAN FRANCISCO CA	59.8	PLN	DTVPLN	-DTVP1290
46	KION	MONTEREY CA	107.8	PLN	DTVPLN	-NPLN1695
46	KQCA-DT	STOCKTON CA	89.8	PLN	DTVPLN	-DTVP1319

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

47	KWOK-DT	NOVATO CA	97.6	PLN	DTVPLN	-DTVP1352
48	KKAG-DT	PORTERVILLE CA	300.1	PLN	DTVPLN	-DTVP1383
48	KCMY-DT	SACRAMENTO CA	154.9	PLN	DTVPLN	-DTVP1384
49	KSTS-DT	SAN JOSE CA	0.0	PLN	DTVPLN	-DTVP1411
50	KTEH-DT	SAN JOSE CA	0.2	PLN	DTVPLN	-DTVP1440
51	KDTV-DT	SAN FRANCISCO CA	1.7	PLN	DTVPLN	-DTVP1470
52	KICU-DT	SAN JOSE CA	0.4	PLN	DTVPLN	-DTVP1501
55	KTXL-DT	SACRAMENTO CA	93.0	PLN	DTVPLN	-DTVP1561
56	KTVU-DT	OAKLAND CA	59.8	PLN	DTVPLN	-DTVP1580
62	KFTL-DT	STOCKTON CA	45.5	PLN	DTVPLN	-DTVP1670
63	KTNC-DT	CONCORD CA	45.5	PLN	DTVPLN	-DTVP1673

Results for: 48N CA SAN JOSE			DTVPLN	NPLN1730	PLN
			POPULATION	AREA (sq km)	
	within Noise Limited Contour	5865938	23320.9		
	not affected by terrain losses	4792987	13064.6		
	lost to NTSC IX	46	32.8		
	lost to additional IX by ATV	219620	917.9		
	lost to all IX	219666	950.6		

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	KSTS	SAN JOSE CA	BLCDT	-20030507AAT

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	KSPX	SACRAMENTO CA	91.5	LIC	BLCDT	-20050110ABB
48	KCMY-DT	SACRAMENTO CA	154.0	PLN	DTVPLN	-DTVP1384
48	KSTS	SAN JOSE CA	0.0	LIC	BLCT	-19990721KE
49	KNXT	VISALIA CA	301.4	LIC	BLET	-19861211KH
50	KTEH	SAN JOSE CA	1.3	LIC	BLEDT	-20040826AAR
50	KTEH-DT	SAN JOSE CA	1.6	PLN	DTVPLN	-DTVP1440
50	KTEH	SAN JOSE CA	1.3	APP	BPEDT	-20080620AKJ
49	K42HE	UKIAH CA	112.8	APP	USERRECORD-01	

Total scenarios = 10

Result key: 17

Scenario 1 Affected station 27 KSTS  
Before Analysis

Results for: 49A CA SAN JOSE			BLCDT	20030507AAT	LIC
	HAAT 688.0 m, ATV ERP 257.0 kW				
		POPULATION	AREA (sq km)		
	within Noise Limited Contour	6394754	32111.5		
	not affected by terrain losses	5494321	22190.6		
	lost to NTSC IX	33647	215.5		
	lost to additional IX by ATV	72326	893.8		
	lost to ATV IX only	79213	961.3		
	lost to all IX	105973	1109.3		

Potential Interfering Stations Included in above Scenario 1

49N CA VISALIA	BLET	19861211KH	LIC
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# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

48A CA SACRAMENTO	BLCDDT	20050110ABB	LIC
50A CA SAN JOSE	BLEDDT	20040826AAR	LIC

After Analysis

Results for: 49A CA SAN JOSE                      BLCDDT              20030507AAT    LIC  
 HAAT 688.0 m, ATV ERP 257.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6394754	32111.5
not affected by terrain losses	5494321	22190.6
lost to NTSC IX	33647	215.5
lost to additional IX by ATV	75027	903.7
lost to ATV IX only	81914	971.2
lost to all IX	108674	1119.2

Potential Interfering Stations Included in above Scenario              1

49N CA VISALIA	BLET	19861211KH	LIC
48A CA SACRAMENTO	BLCDDT	20050110ABB	LIC
50A CA SAN JOSE	BLEDDT	20040826AAR	LIC
49A CA UKIAH	USERRECORD01		APP

Percent new IX =              0.0544%

Worst case new IX              0.0544% Scenario              1

(NOTE: WORST-CASE SCENARIO TO THIS AFFECTED STATION IS SHOWN—ALL OTHERS HAVE BEEN REMOVE. ALL REMOVED SCENARIOS SHOW THE SAME OR LESS NEW INTERFERENCE THAN SHOWN BY THE WORST-CASE SCENARIO.)

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Analysis of Interference to Affected Station              28

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
49	KNXT	VISALIA CA	DTVPLN	-NPLN1747

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	KJEO	FRESNO CA	101.6	PLN	DTVPLN	-NPLN1714
48	KKAG-DT	PORTERVILLE CA	0.0	PLN	DTVPLN	-DTVP1383
49	KSTS-DT	SAN JOSE CA	300.1	PLN	DTVPLN	-DTVP1411
49	KSTV-DT	VENTURA CA	218.1	PLN	DTVPLN	-DTVP1412
50	KNXT-DT	VISALIA CA	0.0	PLN	DTVPLN	-DTVP1441
53	KAIL	FRESNO CA	102.1	PLN	DTVPLN	-NPLN1819

Results for: 49N CA VISALIA                      DTVPLN              NPLN1747              PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1345913	23081.8
not affected by terrain losses	1246612	19935.9
lost to NTSC IX	2438	71.9
lost to additional IX by ATV	0	0.0

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

lost to all IX 2438 71.9

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	KNXT	VISALIA CA	BLET	-19861211KH

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	KGPE	FRESNO CA	101.6	LIC	BLCT	-20041020AAJ
48	KTFF-TV	PORTERVILLE CA	0.0	LIC	BLCDDT	-20020920ADD
48	KKAG-DT	PORTERVILLE CA	0.0	PLN	DTVPLN	-DTVP1383
49	KSTS-DT	SAN JOSE CA	300.1	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	301.4	LIC	BLCDDT	-20030507AAT
49	KJLA	VENTURA CA	239.5	LIC	BLCDDT	-20041117AAB
49	KSTV-DT	VENTURA CA	218.1	PLN	DTVPLN	-DTVP1412
50	KNXT-DT	VISALIA CA	0.0	PLN	DTVPLN	-DTVP1441
50	KNXT	VISALIA CA	0.0	LIC	BLEDT	-20060706AFB
51	KNSO	MERCED CA	102.0	LIC	BLCT	-20021007ACD
53	KAIL	FRESNO CA	102.1	LIC	BLCT	-19841010KL
49	K42HE	UKIAH CA	402.0	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 29

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49IG	YREKA CA	BLTTL	-20071019AGQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	KSYS-DT	MEDFORD OR	113.6	PLN	DTVPLN	-DTVP1206
48	K48JO	YREKA CA	18.3	CP	BNPTTL	-20000828ARW
48	KFBI-LP	MEDFORD OR	61.2	LIC	BLTTL	-20060504AAB
48	KFBI-LP	MEDFORD OR	61.2	CP	BDFCDTA	-20060703AAB
49	NEW	EUREKA CA	155.7	APP	BNPTTL	-20000828AMQ
49	NEW	EUREKA CA	155.7	APP	BNPTTL	-20000828ARL
49	NEW	EUREKA CA	154.1	APP	BNPTTL	-20000824AEB
49	KSAO-LP	SACRAMENTO CA	370.5	APP	BDFCDTL	-20090220AEA
49	K49CK	STEAD/LAWTON NV	335.0	CP	BDFCDTT	-20081020ALD
49	KBSC-LP	BROOKINGS OR	131.4	LIC	BLTTL	-19921120ID
49	K49DM-D	COOS BAY OR	218.6	LIC	BLDTL	-20090226AAO
49	KAMK-LP	EUGENE OR	252.8	CP	BDISDTL	-20051230AAL
49	K34BV	MURPHY, ETC. OR	88.0	CP	BDISDTT	-20060331BFX
50	K50GP	REDDING CA	129.4	CP	BDFCDTT	-20060329AJR
49	K42HE	UKIAH CA	378.1	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

## Analysis of Interference to Affected Station 30

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49IG	YREKA CA	BMPTTL -20050913ABU

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	KSYS-DT	MEDFORD OR	131.5	PLN	DTVPLN -DTVP1206
48	K48JO	YREKA CA	4.7	CP	BNPTTL -20000828ARW
48	KFBI-LP	MEDFORD OR	78.9	CP	BDFCDTA -20060703AAB
49	NEW	EUREKA CA	147.6	APP	BNPTTL -20000828AMQ
49	NEW	EUREKA CA	147.6	APP	BNPTTL -20000828ARL
49	NEW	EUREKA CA	145.9	APP	BNPTTL -20000824AEB
49	KSAO-LP	SACRAMENTO CA	352.6	APP	BDFCDTL -20090220AEA
49	DK64DK	YREKA/WEED CA	84.3	CP	BPTT -20020322AAL
49	K49CK	STEAD/LAWTON NV	319.3	CP	BDFCDTT -20081020ALD
49	KBSC-LP	BROOKINGS OR	141.8	LIC	BLTTL -19921120ID
49	K49DM-D	COOS BAY OR	235.8	LIC	BLDTL -20090226AAO
49	K34BV	MURPHY, ETC. OR	105.4	CP	BDISDTT -20060331BFX
50	K50GP	REDDING CA	111.4	CP	BDFCDTT -20060329AJR
49	K42HE	UKIAH CA	360.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 31

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49IG	YREKA CA	BNPTTL -20000830BJB

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	KSYS-DT	MEDFORD OR	131.5	PLN	DTVPLN -DTVP1206
48	K48JO	YREKA CA	4.7	CP	BNPTTL -20000828ARW
48	KFBI-LP	MEDFORD OR	78.9	LIC	BLTTL -20060504AAB
48	KFBI-LP	MEDFORD OR	78.9	CP	BDFCDTA -20060703AAB
49	NEW	EUREKA CA	147.6	APP	BNPTTL -20000828AMQ
49	NEW	EUREKA CA	147.6	APP	BNPTTL -20000828ARL
49	NEW	EUREKA CA	145.9	APP	BNPTTL -20000824AEB
49	K49CT	PARADISE CA	237.6	LIC	BLTT -19900207JC
49	KSAO-LP	SACRAMENTO CA	352.6	APP	BDFCDTL -20090220AEA
49	DK64DK	YREKA/WEED CA	84.3	CP	BPTT -20020322AAL
49	K49CK	STEAD/LAWTON NV	319.3	CP	BDFCDTT -20081020ALD
49	KBSC-LP	BROOKINGS OR	141.8	LIC	BLTTL -19921120ID
49	K49DM-D	COOS BAY OR	235.8	LIC	BLDTL -20090226AAO

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

49	KAMK-LP	EUGENE OR	270.6	CP	BDISTTL	-20051230AAL
49	K34BV	MURPHY, ETC. OR	105.4	CP	BDISDTT	-20060331BFX
50	K50GP	REDDING CA	111.4	CP	BDFCDTT	-20060329AJR
49	K42HE	UKIAH CA	360.8	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 32

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	DK64DK	YREKA/WEED CA	BPTT	-20020322AAL

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	KFBI-LP	MEDFORD OR	120.3	CP	BDFCDTA	-20060703AAB
49	KSAO-LP	SACRAMENTO CA	332.4	APP	BDFCDTL	-20090220AEA
49	K49CK	STEAD/LAWTON NV	266.5	CP	BDFCDTT	-20081020ALD
49	K49BK-D	WINNEMUCCA NV	329.3	LIC	BLDTT	-20070404AAJ
49	K49DM-D	COOS BAY OR	289.1	LIC	BLDTL	-20090226AAO
49	K34BV	MURPHY, ETC. OR	163.3	CP	BDISDTT	-20060331BFX
50	K50GP	REDDING CA	128.0	CP	BDFCDTT	-20060329AJR
64	DK64DK	YREKA & WEED CA	0.0	LIC	BLTT	-19920121IZ
49	K42HE	UKIAH CA	371.7	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

## Analysis of Interference to Affected Station 33

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49CK	STEAD, ETC. NV	BLTT	-19900126IB

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	KCMY-DT	SACRAMENTO CA	132.9	PLN	DTVPLN	-DTVP1384
48	K48LA-D	SOUTH LAKE TAHOE CA	59.8	LIC	BLDTT	-20081010BFY
48	KNCV-LP	CARSON CITY, ETC. NV	41.4	LIC	BLTTL	-20030421ACJ
48	K48GG	HAWTHORNE NV	160.9	CP	BDFCDTT	-20090209AOX
49	KMPH-LD	MERCED-MARIPOSA CA	225.7	CP	BDCCDTL	-20061004AIN
49	K49CT	PARADISE CA	131.3	LIC	BLTT	-19900207JC
49	KSAO-LP	SACRAMENTO CA	144.9	LIC	BLTTL	-20050822AAI
49	KSAO-LP	SACRAMENTO CA	144.9	APP	BDFCDTL	-20090220AEA
49	KSTS-DT	SAN JOSE CA	287.8	PLN	DTVPLN	-DTVP1411

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

49	KSTS	SAN JOSE CA	286.8	LIC	BLCDDT	-20030507AAT
49	KNXT	VISALIA CA	379.0	LIC	BLET	-19861211KH
49	K49JI-D	EUREKA NV	337.9	CP	BDCCDTL	-20060922AFG
49	K49BK-D	WINNEMUCCA NV	242.7	LIC	BLDTT	-20070404AAJ
49	K49FZ	YERINGTON NV	89.1	LIC	BLTT	-20020423AAY
50	KBIT-LD	CHICO CA	167.6	CP MOD	BMPDTL	-20071009AKX
50	K50AI	HAWTHORNE NV	160.9	CP	BDFCDTT	-20090209AOV
50	K50CM	NORTH SHORE LAKE TAH NV	30.7	LIC	BLTT	-19891211ID
49	K42HE	UKIAH CA	266.9	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 34

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49CK	STEAD/LAWTON NV	BDFCDTT	-20081020ALD

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	KCMY-DT	SACRAMENTO CA	132.9	PLN	DTVPLN	-DTVP1384
48	K48LA-D	SOUTH LAKE TAHOE CA	59.8	LIC	BLDTT	-20081010BFY
48	K48GG	HAWTHORNE NV	160.9	CP	BDFCDTT	-20090209AOX
49	KMPH-LD	MERCED-MARIPOSA CA	225.7	CP	BDCCDTL	-20061004AIN
49	K49CT	PARADISE CA	131.3	LIC	BLTT	-19900207JC
49	KSAO-LP	SACRAMENTO CA	144.9	APP	BDFCDTT	-20090220AEA
49	KSTS-DT	SAN JOSE CA	287.8	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	286.8	LIC	BLCDDT	-20030507AAT
49	KNXT	VISALIA CA	379.0	LIC	BLET	-19861211KH
49	K49JI-D	EUREKA NV	337.9	CP	BDCCDTL	-20060922AFG
49	K49AM	LUND & PRESTON NV	427.4	CP	BDFCDTT	-20080303AAT
49	K49BK-D	WINNEMUCCA NV	242.7	LIC	BLDTT	-20070404AAJ
49	K49FZ	YERINGTON NV	89.1	LIC	BLTT	-20020423AAY
49	K34BV	MURPHY, ETC. OR	421.4	CP	BDISDTT	-20060331BFX
50	KBIT-LD	CHICO CA	167.6	CP MOD	BMPDTL	-20071009AKX
50	K50AI	HAWTHORNE NV	160.9	CP	BDFCDTT	-20090209AOV
49	K42HE	UKIAH CA	266.9	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 35

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	K49FZ	YERINGTON NV	BLTT	-20020423AAY

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

48	K48LA-D	SOUTH LAKE TAHOE CA	81.1	LIC	BLDTT	-20081010BFY
48	K48GG	HAWTHORNE NV	72.0	CP	BDFCDTT	-20090209AOX
49	KMPH-LD	MERCED-MARIPOSA CA	174.6	CP	BDCCDTL	-20061004AIN
49	KSAO-LP	SACRAMENTO CA	165.0	LIC	BLTTL	-20050822AAI
49	KSAO-LP	SACRAMENTO CA	165.0	APP	BDFCDTL	-20090220AEA
49	KSTS-DT	SAN JOSE CA	283.3	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	282.8	LIC	BLCDDT	-20030507AAT
49	KNXT	VISALIA CA	302.2	LIC	BLET	-19861211KH
49	K49JI-D	EUREKA NV	285.0	CP	BDCCDTL	-20060922AFG
49	K49AM	LUND & PRESTON NV	369.0	CP	BDFCDTT	-20080303AAT
49	K49CK	STEAD, ETC. NV	89.1	LIC	BLTT	-19900126IB
49	K49CK	STEAD/LAWTON NV	89.1	CP	BDFCDTT	-20081020ALD
49	K49BK-D	WINNEMUCCA NV	257.8	LIC	BLDTT	-20070404AAJ
50	K50AI	HAWTHORNE NV	72.0	CP	BDFCDTT	-20090209AOV
49	K42HE	UKIAH CA	297.9	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 36

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	KBIT-LD	CHICO CA	BMPDTL -20071009AKX

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KSAO-LP	SACRAMENTO CA	88.0	APP	BDFCDTL -20090220AEA
49	K49CK	STEAD/LAWTON NV	167.6	CP	BDFCDTT -20081020ALD
50	K50GP	REDDING CA	163.3	CP	BDFCDTT -20060329AJR
50	KTEH	SAN JOSE CA	190.9	LIC	BLEDT -20040826AAR
50	KTEH-DT	SAN JOSE CA	191.3	PLN	DTVPLN -DTVP1440
50	KTEH	SAN JOSE CA	190.9	APP	BPEDT -20080620AKJ
50	K50AI	HAWTHORNE NV	277.5	CP	BDFCDTT -20090209AOV
51	KBTVC-CA	SACRAMENTO CA	76.9	CP	BDISTTA -20070104ABT
51	NEW	SACRAMENTO CA	72.8	APP	BSFDTL -20060630DBC
51	K51DJ-D	VERDI/MOGUL NV	166.8	LIC	BLDTT -20081006AFT
49	K42HE	UKIAH CA	115.7	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 37

### DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
50	KTEH-DT	SAN JOSE CA	DTVPLN -DTVP1440

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

49	KSTS-DT	SAN JOSE CA	0.2	PLN	DTVPLN	-DTVP1411
50	KFTY	SANTA ROSA CA	147.7	PLN	DTVPLN	-NPLN1769
50	KNXT-DT	VISALIA CA	300.3	PLN	DTVPLN	-DTVP1441
51	KNSO	MERCED CA	162.2	PLN	DTVPLN	-NPLN1790
51	KDTV-DT	SAN FRANCISCO CA	1.6	PLN	DTVPLN	-DTVP1470

Results for: 50A CA SAN JOSE DTVPLN DTVP1440 PLN

HAAT 585.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5473697	12758.3
not affected by terrain losses	4732295	8556.5
lost to NTSC IX	252811	451.3
lost to additional IX by ATV	91833	314.4
lost to ATV IX only	127461	376.9
lost to all IX	344644	765.8

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
54	KTEH	SAN JOSE CA	DTVPLN	-NPLN1836

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	KION	MONTEREY CA	107.9	PLN	DTVPLN	-NPLN1695
46	KQCA-DT	STOCKTON CA	89.8	PLN	DTVPLN	-DTVP1319
47	KWOK-DT	NOVATO CA	97.5	PLN	DTVPLN	-DTVP1352
50	KTEH-DT	SAN JOSE CA	0.0	PLN	DTVPLN	-DTVP1440
51	KDTV-DT	SAN FRANCISCO CA	1.6	PLN	DTVPLN	-DTVP1470
52	KICU-DT	SAN JOSE CA	0.3	PLN	DTVPLN	-DTVP1501
53	KVIE-DT	SACRAMENTO CA	93.0	PLN	DTVPLN	-DTVP1525
54	KFTY-DT	SANTA ROSA CA	147.7	PLN	DTVPLN	-DTVP1543
55	KTXL-DT	SACRAMENTO CA	93.0	PLN	DTVPLN	-DTVP1561
56	KTVU-DT	OAKLAND CA	59.7	PLN	DTVPLN	-DTVP1580
57	KRON-DT	SAN FRANCISCO CA	59.7	PLN	DTVPLN	-DTVP1601
58	KQCA	STOCKTON CA	89.8	PLN	DTVPLN	-NPLN1890
58	KCAH-DT	WATSONVILLE CA	87.2	PLN	DTVPLN	-DTVP1621
61	KXTV-DT	SACRAMENTO CA	89.8	PLN	DTVPLN	-DTVP1666
62	KFTL-DT	STOCKTON CA	45.4	PLN	DTVPLN	-DTVP1670
68	KWOK	NOVATO CA	97.5	PLN	DTVPLN	-NPLN1998

Results for: 54N CA SAN JOSE DTVPLN NPLN1836 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	5473697	12758.3
not affected by terrain losses	4444718	7745.1
lost to NTSC IX	122349	141.8
lost to additional IX by ATV	439544	982.0
lost to all IX	561893	1123.9

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	KTEH	SAN JOSE CA	BLEDT	-20040826AAR

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	KSTS-DT	SAN JOSE CA	0.4	PLN	DTVPLN	-DTVP1411

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

49	KSTS	SAN JOSE CA	1.3	LIC	BLCDDT	-20030507AAT
50	KNXT-DT	VISALIA CA	300.5	PLN	DTVPLN	-DTVP1441
50	KNXT	VISALIA CA	300.5	LIC	BLEDT	-20060706AFB
50	KEGS	GOLDFIELD NV	412.5	CP	BPCDDT	-20080808AAC
51	KNSO	MERCED CA	220.4	LIC	BLCT	-20021007ACD
51	KDTV-DT	SAN FRANCISCO CA	1.3	PLN	DTVPLN	-DTVP1470
49	K42HE	UKIAH CA	114.0	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 38

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	KTEH	SAN JOSE CA	BPEDT	-20080620AKJ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	KSTS-DT	SAN JOSE CA	0.4	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	1.3	LIC	BLCDDT	-20030507AAT
50	KNXT-DT	VISALIA CA	300.5	PLN	DTVPLN	-DTVP1441
50	KNXT	VISALIA CA	300.5	LIC	BLEDT	-20060706AFB
50	KEGS	GOLDFIELD NV	412.5	CP	BPCDDT	-20080808AAC
51	KNSO	MERCED CA	220.4	LIC	BLCT	-20021007ACD
51	KDTV-DT	SAN FRANCISCO CA	1.3	PLN	DTVPLN	-DTVP1470
49	K42HE	UKIAH CA	114.0	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 39

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	K51AQ	UKIAH CA	BLTT	-19830125IJ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	KWOK-DT	NOVATO CA	116.2	PLN	DTVPLN	-DTVP1352
47	KTLN-TV	NOVATO CA	116.0	CP	BPCDDT	-19991026ABE
50	KBIT-LD	CHICO CA	110.2	CP MOD	BMPDTL	-20071009AKX
50	K50GP	REDDING CA	176.8	CP	BDFCDDT	-20060329AJR
51	K51KG-D	ALTURAS, ETC. CA	355.2	CP	BDCCDDT	-20061030AII
51	KBIT-LD	CHICO CA	150.6	CP	BPTTL	-20080102ABE
51	K15HV-D	CHICO CA	126.8	CP	BNPTTL	-20000831BSU
51	K51JK-D	CRESCENT CITY CA	308.8	CP	BDCCDTL	-20061002BOT
51	KNSO	MERCED CA	392.8	LIC	BLCT	-20021007ACD
51	KBTVC-CA	SACRAMENTO CA	152.5	CP	BDISTTA	-20070104ABT
51	NEW	SACRAMENTO CA	160.3	APP	BSFDTL	-20060630DBC



# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

51	KDTV-DT	SAN FRANCISCO CA	209.1	PLN	DTVPLN	-DTVP1470
51	K51DJ-D	VERDI/MOGUL NV	275.9	LIC	BLDTT	-20081006AFT
51	K41IX	MEDFORD OR	368.0	CP	BDISDTT	-20060331AFP
52	K52AJ	LAKEPORT CA	32.8	APP	BDISTTL	-20081216AAA
52	K52AJ	LAKEPORT, ETC. CA	31.5	LIC	BLTT	-19810728IW
54	KFTY-DT	SANTA ROSA CA	63.9	PLN	DTVPLN	-DTVP1543
66	K66DQ	POTTER VALLEY CA	15.8	LIC	BLTT	-19900529IE
49	K42HE	UKIAH CA	96.6	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 40

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
52	K52AJ	LAKEPORT CA	BDISTTL	-20081216AAA

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	KBCW	SAN FRANCISCO CA	139.7	LIC	BLCDDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	139.6	PLN	DTVPLN	-DTVP1290
48	KSPX	SACRAMENTO CA	135.9	LIC	BLCDDT	-20050110ABB
51	KBTW-CA	SACRAMENTO CA	119.8	CP	BDISTTA	-20070104ABT
51	NEW	SACRAMENTO CA	127.9	APP	BSFDTL	-20060630DBC
52	KHSC-LD	FRESNO CA	393.4	CP	BDCCDTL	-20060928AGL
52	K52JT	REDDING CA	186.1	CP	BNPTTL	-20000831CFT
52	KICU-DT	SAN JOSE CA	183.9	PLN	DTVPLN	-DTVP1501
52	KDTS-LP	STOCKTON CA	168.8	LIC	BLTTL	-19971124IL
54	KFTY-DT	SANTA ROSA CA	37.1	PLN	DTVPLN	-DTVP1543
55	KTXL-DT	SACRAMENTO CA	134.4	PLN	DTVPLN	-DTVP1561
55	KTXL	SACRAMENTO CA	134.4	LIC	BLCDDT	-20041014AEL
56	KTVU-DT	OAKLAND CA	139.6	PLN	DTVPLN	-DTVP1580
66	KFSF-TV	VALLEJO CA	139.6	LIC	BLCT	-20021206ABN
49	K42HE	UKIAH CA	72.9	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 41

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
52	K52AJ	LAKEPORT, ETC. CA	BLTT	-19810728IW

### Stations Potentially Affecting This Station

# FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	KBCW	SAN FRANCISCO CA	139.9	LIC	BLCDDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	139.9	PLN	DTVPLN	-DTVP1290
48	KSPX	SACRAMENTO CA	137.1	LIC	BLCDDT	-20050110ABB
51	KBTB-CA	SACRAMENTO CA	121.1	CP	BDISTTA	-20070104ABT
51	NEW	SACRAMENTO CA	129.3	APP	BSFDTL	-20060630DBC
52	KHSC-LD	FRESNO CA	394.5	CP	BDCCDTL	-20060928AGL
52	K52JT	REDDING CA	186.3	CP	BNPTTL	-20000831CFT
52	KICU-DT	SAN JOSE CA	184.5	PLN	DTVPLN	-DTVP1501
52	KDTS-LP	STOCKTON CA	169.9	LIC	BLTTL	-19971124IL
54	KFTY-DT	SANTA ROSA CA	37.5	PLN	DTVPLN	-DTVP1543
55	KTXL-DT	SACRAMENTO CA	135.6	PLN	DTVPLN	-DTVP1561
55	KTXL	SACRAMENTO CA	135.6	LIC	BLCDDT	-20041014AEL
56	KTVU-DT	OAKLAND CA	139.9	PLN	DTVPLN	-DTVP1580
66	KFSF-TV	VALLEJO CA	139.9	LIC	BLCT	-20021206ABN
49	K42HE	UKIAH CA	73.2	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 42

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
52	KDTS-LP	STOCKTON CA	BLTTL	-19971124IL

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	KBCW	SAN FRANCISCO CA	105.4	LIC	BLCDDT	-20020709AAQ
45	KBHK-DT	SAN FRANCISCO CA	105.4	PLN	DTVPLN	-DTVP1290
48	KSPX	SACRAMENTO CA	35.1	LIC	BLCDDT	-20050110ABB
48	KCMY-DT	SACRAMENTO CA	80.4	PLN	DTVPLN	-DTVP1384
49	KSTS-DT	SAN JOSE CA	75.8	PLN	DTVPLN	-DTVP1411
49	KSTS	SAN JOSE CA	75.0	LIC	BLCDDT	-20030507AAT
50	KTEH	SAN JOSE CA	75.6	LIC	BLEDT	-20040826AAR
50	KTEH-DT	SAN JOSE CA	75.8	PLN	DTVPLN	-DTVP1440
50	KTEH	SAN JOSE CA	75.6	APP	BPEDT	-20080620AKJ
51	KBTB-CA	SACRAMENTO CA	66.0	CP	BDISTTA	-20070104ABT
51	NEW	SACRAMENTO CA	75.8	APP	BSFDTL	-20060630DBC
51	KDTV-DT	SAN FRANCISCO CA	75.0	PLN	DTVPLN	-DTVP1470
52	KHSC-LD	FRESNO CA	224.8	CP	BDCCDTL	-20060928AGL
52	KICU-DT	SAN JOSE CA	75.6	PLN	DTVPLN	-DTVP1501
53	KVIE-DT	SACRAMENTO CA	36.4	PLN	DTVPLN	-DTVP1525
54	KFTY-DT	SANTA ROSA CA	139.2	PLN	DTVPLN	-DTVP1543
55	KTXL-DT	SACRAMENTO CA	36.4	PLN	DTVPLN	-DTVP1561
55	KTXL	SACRAMENTO CA	36.4	LIC	BLCDDT	-20041014AEL
56	KTVU-DT	OAKLAND CA	105.4	PLN	DTVPLN	-DTVP1580
59	KCSM-DT	SAN MATEO CA	106.2	PLN	DTVPLN	-DTVP1644
66	KFSF-TV	VALLEJO CA	105.7	LIC	BLCT	-20021206ABN
67	KSMS-TV	MONTEREY CA	138.6	LIC	BMLCT	-20040204ABD
49	K42HE	UKIAH CA	119.3	APP	USERRECORD-01	

FIGURE 3—OET-69 STUDY FOR K42HE, SANTA ROSA, CA, DISPLACEMENT TO CHANNEL 49 DIGITAL

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 43

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
57	K57CT	BOONVILLE, ETC. CA	BLTT	-19830110IJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
54	KFTY-DT	SANTA ROSA CA	64.5	PLN	DTVPLN	-DTVP1543
57	KRON-DT	SAN FRANCISCO CA	152.8	PLN	DTVPLN	-DTVP1601
49	K42HE	UKIAH CA	91.7	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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