

TECHNICAL EXHIBIT  
DISPLACEMENT RELIEF  
APPLICATION FOR CONSTRUCTION PERMIT  
LOW POWER TV STATION KABE-LP  
FACILITY ID 18747  
BAKERSFIELD, CALIFORNIA  
CH 39 60 KW (MAX-DA)

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of displacement relief application for construction permit for Low Power TV station KABE-LP at Bakersfield, California (Facility ID: 18747; File No. BLTTL-19960905JA). Station KABE-LP operates on channel 52 which is located in that portion of the TV band (channels 52-69) which has been reallocated for other services. Pursuant to Section 73.3572(a)(4)(ii), KABE-LP is considered to be displaced and permitted to file a displacement relief application at any time. Therefore, it is proposed to operate KABE-LP on channel 39 from a transmitter site located 13.5 km east of the current site.

Minor Change Application

As the new site is located less than 16 km from the current site it is believed that the relocation is permitted under Section 73.3527(a). In addition, Figure 1 depicts the licensed and herein proposed 74 dBu contours for KABE-LP. As indicated, the 74 dBu contours overlap. Therefore, the proposed modification is considered a "minor" change in facilities pursuant to Section 73.3572.

Proposed Facilities

Specifically, it is proposed to operate on channel 39 (620-626 MHz) with a "minus" carrier frequency offset using an RFS model RD16UB "off-the-shelf" directional antenna oriented at 253° true and incorporating 2.75 degrees of electrical beam tilt. The maximum ERP towards the radio horizon will be 60 kW, and the maximum ERP at any horizontal or vertical angle will be 150 kW. The antenna will be mounted at the 17 meter level on an authorized 22 meter tower. The antenna radiation center height above mean sea level will be 2299 meters.

Response to Paragraph 13(a) - TV Broadcast Analog Protection

A study has been conducted using the provisions of Section 74.705 which indicates that the proposed KABE-LP operation will not create prohibited interference to other existing, authorized or proposed NTSC full-power stations.

Response to Paragraph 13(b) - DTV Station Protection

Calculations based on OET Bulletin No. 69 indicate that the proposed KABE-LP operation on channel 39 complies with the FCC's 0.5% interference threshold criteria to all allotted, proposed or actual DTV operating facilities on channels 38, 39 and 40. Figure 2 provides the output of study based on OET-69 Bulletin which demonstrates that the proposed KABE-LP operation complies with the FCC's DTV interference criteria.

Response to Paragraph 13(c) - LPTV/TV Translator/Class A TV Protection

A study has been conducted which indicates that the KABE-LP proposal will not create prohibited interference to other existing, authorized or proposed LPTV stations with the exceptions of the following existing, authorized and proposed LPTV/TV Translator/Class A TV stations:

K25FT, Ch. 24, Bakersfield, CA (App., BPTTL-20031121AEJ)  
KMSG-LP, Ch. 39, Fresno, CA (CP, BMPTTL-20040730AAN)  
K39GY, Ch. 39, Victorville, CA (License, BLTT-20030822AFM)

However, based on the provisions of the OET-69 Bulletin as permitted by FCC rules [Section 74.707(e)] it is believed that KABE-LP's proposed operation complies with the FCC's interference criteria towards these stations. Specifically, calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 2 square kilometer grid. The results of the OET Bulletin No. 69 are tabulated on Figure 2 and, as indicated, the proposal complies with the FCC's 0.5% interference threshold.

Response to Paragraph 14 - Environmental Protection Act

The proposed KABE-LP LPTV facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation."<sup>1</sup> The calculated power density at the base of the tower was calculated using the appropriate equation on Page 13 of the Bulletin.

Using a greater than expected vertical relative field value of 0.1,<sup>2</sup> a maximum visual effective radiated power of 150.0<sup>3</sup> kilowatts and 10 percent aural power, the calculated power density at 2 meters above ground level at the base of the tower is 0.1114 milliwatt per square centimeter (mW/cm<sup>2</sup>), or 26.8 percent of the Commission's recommended limit applicable to general population/uncontrolled exposure areas (0.42 mW/cm<sup>2</sup> for TV channel 39).

However, as this is a multi-user site, measurements will be made to substantiate compliance with the RF emission rules. Access to the transmitting site will be restricted and appropriately marked with warning signs. Furthermore, as this is a multi-user site, an agreement will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective

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<sup>1</sup> See *Report and Order* in ET Docket 93-62, FCC 96-326, adopted August 1, 1996, 11 FCC Rcd 15123 (1997). See also *First Memorandum Opinion and Order*, ET Docket 93-62, FCC 96-487, adopted December 23, 1996, 11 FCC Rcd 17512 (1997), and *Second Memorandum Opinion and Order and Notice of Proposed Rulemaking*, ET Docket 93-62, FCC 97-303, adopted August 25, 1997.

<sup>2</sup> Based on manufacturer's data.

<sup>3</sup> The estimated peak visual ERP occurs along an azimuth of 253° true and at 2.75° below the horizon.

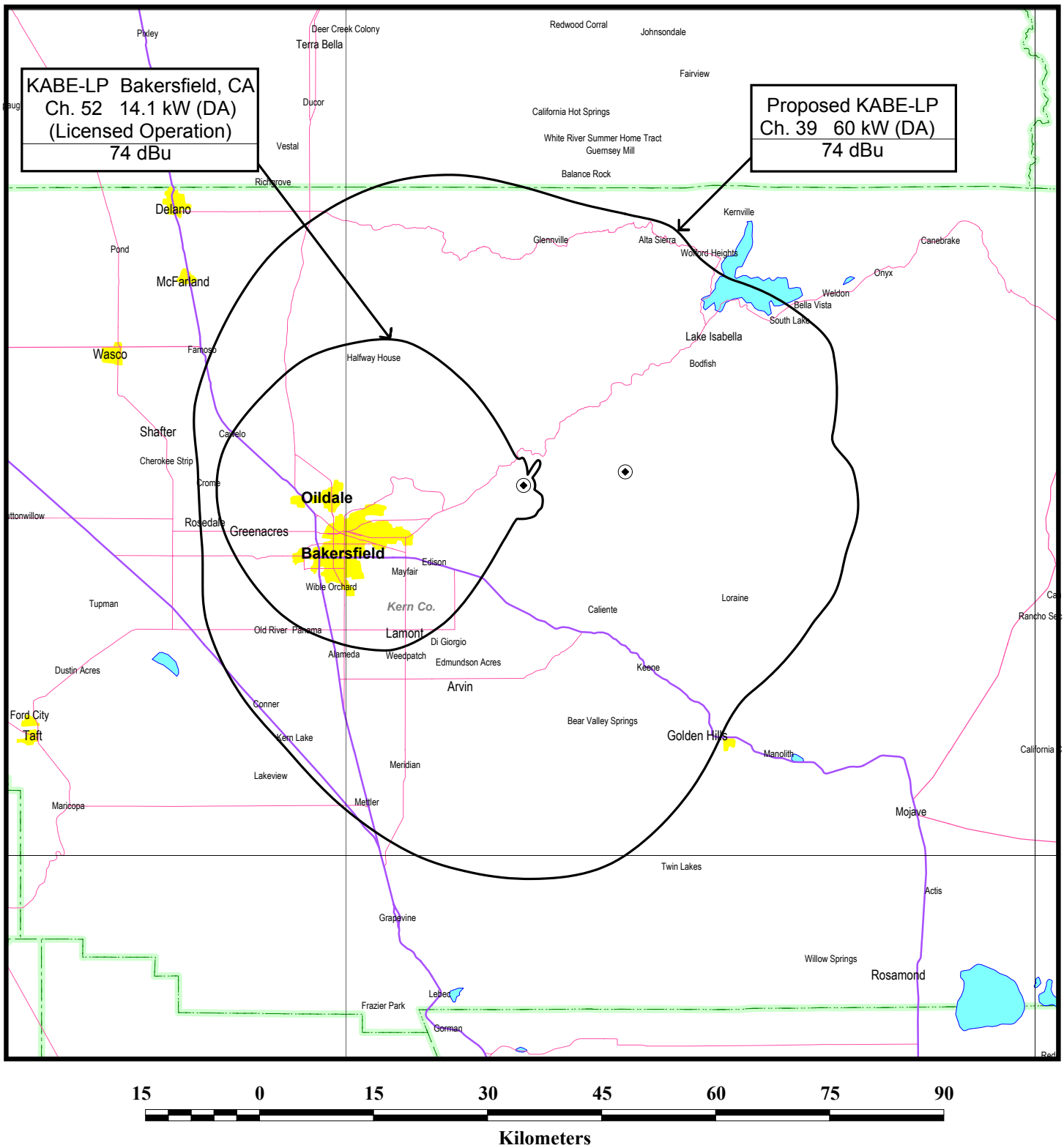
clothing and/or RFR exposure monitors or scheduling work when  
the stations are at reduced power or shut down.

W. Jeffrey Reynolds

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November 29, 2004

Figure 1



## FCC PREDICTED 74 dBu CONTOURS

LPTV STATION KABE-LP  
BAKERSFIELD, CALIFORNIA  
CH 39 60 KW (DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

**OET-69 INTERFERENCE CAUSED STUDY**

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 11-29-2004 Time: 09:54:44

Record Selected for Analysis

KABE-LP USERRECORD-01 BAKERSFIELD CA US  
Channel 39 ERP 60. kW HAAT 1317. m RCAMSL 02299 m  
Latitude 035-27-14 Longitude 0118-35-37  
Status APP Zone 2 Border Offset -  
Dir Antenna Make CDB Model 00000000043713 Beam tilt N Ref Azimuth 253.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 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)	74.0 dBu F(50,50) (km)
0.0	0.042	1125.0	8.0
45.0	0.035	984.8	7.2
90.0	0.040	849.2	7.4
135.0	0.038	972.9	7.4
180.0	9.866	1239.6	42.7
225.0	25.287	1316.9	50.9
270.0	28.695	1224.8	50.8
315.0	26.979	998.9	47.3

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Contour overlap to station  
KVEA 39 CORONA

CA BLCDT 20030507AAW

Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

## Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

K25FT 24 BAKERSFIELD CA BPTTL 20031121AEJ

Contour overlap to station

KMSG-LP 39 FRESNO CA BMPTTL 20040730AAN

Contour overlap to station

K39GY 39 VICTORVILLE CA BLTT 20030822AFM

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

## Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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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## Start of Interference Analysis

Channel	Call	City/State	ARN
39	KABE-LP	BAKERSFIELD CA	USERRECORD01

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist (km)	Status	Application	Ref. No.
24	K25FT	BAKERSFIELD CA	43.4	APP	BPTTL	-20031121AEJ
39	KVEA	CORONA CA	146.2	LIC	BLCDT	-20030507AAW
39	KMSG-LP	FRESNO CA	156.4	CP MOD	BMPTTL	-20040730AAN
39	K39GY	VICTORVILLE CA	151.5	LIC	BLTT	-20030822AFM

*(The following information was obtained from the records of the Department of Social Services, State of New York.)*

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	K25FT	BAKERSFIELD CA	BPTTL	-20031121AEJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KGET-TV	BAKERSFIELD CA	30.2	LIC	BLCT	-19790529KF
21	NEW -DT	SANTA BARBARA CA	123.9	PLN	DTVPLN	-DTVP0429
21	KPMR	SANTA BARBARA CA	124.0	CP	BPCDT	-20000427ABZ
23	KERO-TV	BAKERSFIELD CA	43.4	LIC	BMLCT	-305
23	KBEH	OXNARD CA	114.7	APP	BPRM	-20040809ACF
24	KSEE	FRESNO CA	155.1	LIC	BLCT	-2300
24	KTAV-LP	LANCASTER CA	119.0	LIC	BLTTL	-20010920AAA
24	KADY-DT	OXNARD CA	114.6	PLN	DTVPLN	-DTVP0557
24	KBEH	OXNARD CA	114.7	CP	BPCDT	-19991028AEN
24	KBEH	OXNARD CA	114.7	APP	BMPCDT	-20040525AJF
24	KVCR-TV	SAN BERNARDINO CA	224.5	LIC	BLET	-19831021KG
24	KVVU-DT	HENDERSON NV	372.9	PLN	DTVPLN	-DTVP0578
25	KGET-TV	BAKERSFIELD CA	30.2	LIC	BLCDDT	-20030701BOK
25	KGET-DT	BAKERSFIELD CA	30.2	PLN	DTVPLN	-DTVP0593
25	K25FT	BAKERSFIELD CA	5.1	LIC	BLTTL	-19980309JB
27	KEYT-TV	SANTA BARBARA CA	123.8	CP MOD	BMPCDT	-20010126ABE
27	KEYT-DT	SANTA BARBARA CA	123.8	PLN	DTVPLN	-DTVP0666
38	KPMR	SANTA BARBARA CA	124.0	LIC	BLCT	-20010209ABS
39	KABE-LP	BAKERSFIELD CA	43.4	STA	BSTA	-20041105BDJ
39	KABE-CA	BAKERSFIELD CA	43.4	LIC	BLTTL	-19810209IM
39	KABE-LP	BAKERSFIELD CA	43.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
39	KVEA-DT	CORONA CA	DTVPLN	-DTVP1079

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KZKI-DT	SAN BERNARDINO CA	33.6	PLN	DTVPLN	-DTVP1040
38	NEW	SANTA BARBARA CA	177.1	PLN	DTVPLN	-NPLN1537
39	KNSD	SAN DIEGO CA	199.4	PLN	DTVPLN	-NPLN1559
39	KBLR	PARADISE NV	341.4	PLN	DTVPLN	-NPLN1566
40	KNSD-DT	SAN DIEGO CA	199.4	PLN	DTVPLN	-DTVP1115
40	KTBN-TV	SANTA ANA CA	0.0	PLN	DTVPLN	-NPLN1579

Results for: 39A CA CORONA DTVPLN DTVP1079 PLN  
HAAT 896.0 m, ATV ERP 63.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13486586	25242.9
not affected by terrain losses	12374851	18113.6
lost to NTSC IX	177435	1144.9
lost to additional IX by ATV	123702	172.1
lost to ATV IX only	161043	272.2
lost to all IX	301137	1317.0

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
52	KVEA	CORONA CA	DTVPLN -NPLN1805

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	KHIZ-DT	BARSTOW CA	83.1	PLN	DTVPLN -DTV1254
44	KRPA	RANCHO PALOS VERDES CA	100.8	PLN	DTVPLN -NPLN1653
45	KUZZTV	BAKERSFIELD CA	148.5	PLN	DTVPLN -NPLN1678
48	KOCE-DT	HUNTINGTON BEACH CA	29.9	PLN	DTVPLN -DTV1382
49	KSTV-DT	VENTURA CA	89.0	PLN	DTVPLN -DTV1412
50	KOCETV	HUNTINGTON BEACH CA	29.9	PLN	DTVPLN -NPLN1768
51	KRPA-DT	RANCHO PALOS VERDES CA	100.8	PLN	DTVPLN -DTV1469
51	KUSITV	SAN DIEGO CA	199.3	PLN	DTVPLN -NPLN1791
52	KESQ-DT	PALM SPRINGS CA	152.7	PLN	DTVPLN -DTV1500
53	KABC-DT	LOS ANGELES CA	0.5	PLN	DTVPLN -DTV1524
54	NEW	AVALON CA	100.8	PLN	DTVPLN -NPLN1834
56	KDOCTV	ANAHEIM CA	33.5	PLN	DTVPLN -NPLN1861
59	KCET-DT	LOS ANGELES CA	0.0	PLN	DTVPLN -DTV1643
60	KCBS-DT	LOS ANGELES CA	1.3	PLN	DTVPLN -DTV1664
66	KCOP-DT	LOS ANGELES CA	0.6	PLN	DTVPLN -DTV1678

Results for: 52N CA CORONA DTVPLN NPLN1805 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	13486543	25230.9
not affected by terrain losses	12152416	17573.2
lost to NTSC IX	82358	112.1
lost to additional IX by ATV	1222643	2065.5
lost to all IX	1305001	2177.6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	KVEA	CORONA CA	BLC DT -20030507AAW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KPXN	SAN BERNARDINO CA	0.1	CP MOD	BMPCDT -20021126AAU
38	KZKI-DT	SAN BERNARDINO CA	33.4	PLN	DTVPLN -DTV1040
38	KPXN	SAN BERNARDINO CA	1.7	APP	BMPCDT -20040727AGB
38	KPMR	SANTA BARBARA CA	177.6	LIC	BLCT -20010209ABS
39	KNSD	SAN DIEGO CA	198.3	LIC	BLCT -19921230KF

39	KBLR	PARADISE NV	342.0	LIC	BLCT	-19890427KI
40	KNSD	SAN DIEGO CA	198.3	LIC	BLCDDT	-20000103ABE
40	KNSD-DT	SAN DIEGO CA	198.3	PLN	DTVPLN	-DTVP1115
40	KNSD	SAN DIEGO CA	198.3	CP MOD	BMPCDDT	-20041029AHV
40	KTBN-TV	SANTA ANA CA	1.2	LIC	BLCT	-19830418KH
39	KABE-LP	BAKERSFIELD CA	146.2	APP	USERRECORD-01	

Total scenarios = 4

Result key: 1  
Scenario 1 Affected station 2  
Before Analysis

Results for: 39A CA CORONA BLCDDT 20030507AAW LIC  
HAAT 912.0 m, ATV ERP 54.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13764616	29105.5
not affected by terrain losses	12754276	21977.4
lost to NTSC IX	185198	2071.5
lost to additional IX by ATV	197252	300.5
lost to ATV IX only	228011	452.8
lost to all IX	382450	2372.0

Potential Interfering Stations Included in above Scenario 1

38N CA SANTA BARBARA	BLCT	20010209ABS	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
40N CA SANTA ANA	BLCT	19830418KH	LIC
38A CA SAN BERNARDINO	DTVPLN	DTVP1040	PLN
40A CA SAN DIEGO	DTVPLN	DTVP1115	PLN

After Analysis

Results for: 39A CA CORONA BLCDDT 20030507AAW LIC  
HAAT 912.0 m, ATV ERP 54.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13764616	29105.5
not affected by terrain losses	12754276	21977.4
lost to NTSC IX	185198	2075.5
lost to additional IX by ATV	197252	300.5
lost to ATV IX only	228011	452.8
lost to all IX	382450	2376.0

Potential Interfering Stations Included in above Scenario 1

38N CA SANTA BARBARA	BLCT	20010209ABS	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
40N CA SANTA ANA	BLCT	19830418KH	LIC
38A CA SAN BERNARDINO	DTVPLN	DTVP1040	PLN
40A CA SAN DIEGO	DTVPLN	DTVP1115	PLN
39N CA BAKERSFIELD	USERRECORD01		APP

Result key: 2  
Scenario 2 Affected station 2  
Before Analysis

Results for: 39A CA CORONA BLCDT 20030507AAW LIC  
HAAT 912.0 m, ATV ERP 54.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13764616	29105.5
not affected by terrain losses	12754276	21977.4
lost to NTSC IX	185198	2071.5
lost to additional IX by ATV	197252	300.5
lost to ATV IX only	229386	508.9
lost to all IX	382450	2372.0

Potential Interfering Stations Included in above Scenario 2

38N CA SANTA BARBARA	BLCT	20010209ABS	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
40N CA SANTA ANA	BLCT	19830418KH	LIC
38A CA SAN BERNARDINO	DTVPLN	DTVP1040	PLN
40A CA SAN DIEGO	BMPCDT	20041029AHV	CP

After Analysis

Results for: 39A CA CORONA BLCDT 20030507AAW LIC  
HAAT 912.0 m, ATV ERP 54.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13764616	29105.5
not affected by terrain losses	12754276	21977.4
lost to NTSC IX	185198	2075.5
lost to additional IX by ATV	197252	300.5
lost to ATV IX only	229386	508.9
lost to all IX	382450	2376.0

Potential Interfering Stations Included in above Scenario 2

38N CA SANTA BARBARA	BLCT	20010209ABS	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
40N CA SANTA ANA	BLCT	19830418KH	LIC
38A CA SAN BERNARDINO	DTVPLN	DTVP1040	PLN
40A CA SAN DIEGO	BMPCDT	20041029AHV	CP
39N CA BAKERSFIELD	USERRECORD01		APP

Result key: 3  
Scenario 3 Affected station 2  
Before Analysis

Results for: 39A CA CORONA BLCDT 20030507AAW LIC  
HAAT 912.0 m, ATV ERP 54.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13764616	29105.5
not affected by terrain losses	12754276	21977.4
lost to NTSC IX	185198	2071.5

lost to additional IX by ATV	55430	148.3
lost to ATV IX only	59649	220.4
lost to all IX	240628	2219.8

Potential Interfering Stations Included in above Scenario 3

38N CA SANTA BARBARA	BLCT	20010209ABS	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
40N CA SANTA ANA	BLCT	19830418KH	LIC
38A CA SAN BERNARDINO	BMPCDT	20040727AGB	APP
40A CA SAN DIEGO	DTVPLN	DTVP1115	PLN

After Analysis

Results for: 39A CA CORONA BLCDDT 20030507AAW LIC

HAAT 912.0 m, ATV ERP 54.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	13764616	29105.5
not affected by terrain losses	12754276	21977.4
lost to NTSC IX	185198	2075.5
lost to additional IX by ATV	55430	144.2
lost to ATV IX only	59649	220.4
lost to all IX	240628	2219.8

Potential Interfering Stations Included in above Scenario 3

38N CA SANTA BARBARA	BLCT	20010209ABS	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
40N CA SANTA ANA	BLCT	19830418KH	LIC
38A CA SAN BERNARDINO	BMPCDT	20040727AGB	APP
40A CA SAN DIEGO	DTVPLN	DTVP1115	PLN
39N CA BAKERSFIELD	USERRECORD01		APP

Result key: 4

Scenario 4 Affected station 2

Before Analysis

Results for: 39A CA CORONA BLCDDT 20030507AAW LIC

HAAT 912.0 m, ATV ERP 54.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	13764616	29105.5
not affected by terrain losses	12754276	21977.4
lost to NTSC IX	185198	2071.5
lost to additional IX by ATV	55430	148.3
lost to ATV IX only	61024	276.5
lost to all IX	240628	2219.8

Potential Interfering Stations Included in above Scenario 4

38N CA SANTA BARBARA	BLCT	20010209ABS	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
40N CA SANTA ANA	BLCT	19830418KH	LIC
38A CA SAN BERNARDINO	BMPCDT	20040727AGB	APP

40A CA SAN DIEGO                      BMPCDT      20041029AHV    CP

After Analysis

Results for: 39A CA CORONA                      BLCDT      20030507AAW    LIC  
HAAT 912.0 m, ATV ERP 54.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13764616	29105.5
not affected by terrain losses	12754276	21977.4
lost to NTSC IX	185198	2075.5
lost to additional IX by ATV	55430	144.2
lost to ATV IX only	61024	276.5
lost to all IX	240628	2219.8

Potential Interfering Stations Included in above Scenario      4

38N CA SANTA BARBARA	BLCT	20010209ABS	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
40N CA SANTA ANA	BLCT	19830418KH	LIC
38A CA SAN BERNARDINO	BMPCDT	20040727AGB	APP
40A CA SAN DIEGO	BMPCDT	20041029AHV	CP
39N CA BAKERSFIELD	USERRECORD01		APP

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Analysis of Interference to Affected Station      3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	KMSG-LP	FRESNO CA	BMPTTL	-20040730AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	KFRE-TV	SANGER CA	39.1	CP MOD	BMPCDT	-20020215AAB
36	KMSG-DT	SANGER CA	38.8	PLN	DTVPLN	-DTVP1005
38	KHSC-LP	FRESNO CA	0.0	LIC	BLTTL	-20040722ACF
38	KSEE-DR	FRESNO CA	38.5	LIC	BPRM	-20040503AHI
38	KNSO-DT	MERCED CA	109.5	PLN	DTVPLN	-DTVP1039
39	KABE-LP	BAKERSFIELD CA	156.4	STA	BSTA	-20041105BDJ
39	KABE-CA	BAKERSFIELD CA	156.4	LIC	BLTTL	-19810209IM
39	KVEA	CORONA CA	302.4	LIC	BLCDDT	-20030507AAW
39	KVEA-DT	CORONA CA	301.3	PLN	DTVPLN	-DTVP1079
39	K39HH	MAMMOTH LAKES CA	104.1	CP	BNPTTL	-20000831BRT
39	KCNS	SAN FRANCISCO CA	302.0	CP	BPCDDT	-19991101AFD
39	KCNS-DT	SAN FRANCISCO CA	302.0	PLN	DTVPLN	-DTVP1080
39	KBLR	PARADISE NV	391.3	LIC	BLCT	-19890427KI
40	KVPT	FRESNO CA	0.2	LIC	BLEDT	-20040716ACA
40	KVPT-DT	FRESNO CA	0.1	PLN	DTVPLN	-DTVP1114
40	KFRE-CA	TULARE CA	64.6	LIC	BLTTL	-19941108IA
53	KAIL	FRESNO CA	38.7	LIC	BLCT	-19841010KL

39 KABE-LP BAKERSFIELD CA 156.4 APP USERRECORD-01

Total scenarios = 1

Result key: 5  
Scenario 1 Affected station 3  
Before Analysis

Results for: 39N CA FRESNO BMPTTL 20040730AAN CP  
POPULATION AREA (sq km)  
within Noise Limited Contour 386679 2964.4  
not affected by terrain losses 382950 2731.1  
lost to NTSC IX 381409 2433.4  
lost to additional IX by ATV 0 0.0  
lost to all IX 381409 2433.4

Potential Interfering Stations Included in above Scenario 1

38N CA FRESNO	BLTTL	20040722ACF	LIC
53N CA FRESNO	BLCT	19841010KL	LIC
38A CA FRESNO	BPRM	20040503AHI	LIC
40A CA FRESNO	BLEDT	20040716ACA	LIC
39N CA BAKERSFIELD	BSTA	20041105BDJ	STA

After Analysis

Results for: 39N CA FRESNO BMPTTL 20040730AAN CP  
POPULATION AREA (sq km)  
within Noise Limited Contour 386679 2964.4  
not affected by terrain losses 382950 2731.1  
lost to NTSC IX 381409 2433.4  
lost to additional IX by ATV 0 0.0  
lost to all IX 381409 2433.4

Potential Interfering Stations Included in above Scenario 1

38N CA FRESNO	BLTTL	20040722ACF	LIC
53N CA FRESNO	BLCT	19841010KL	LIC
38A CA FRESNO	BPRM	20040503AHI	LIC
40A CA FRESNO	BLEDT	20040716ACA	LIC
39N CA BAKERSFIELD	USERRECORD01		APP

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	K39GY	VICTORVILLE CA	BLTT	-20030822AFM

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	KTTLA-TV	LOS ANGELES CA	83.1	CP	BPCDT	-20000425AAV
31	KTTLA-DT	LOS ANGELES CA	83.1	PLN	DTVPLN	-DTVP0813
32	KDOC-TV	ANAHEIM CA	83.2	CP MOD	BMPCDT	-20000427ABH
32	KDOC-DT	ANAHEIM CA	60.4	PLN	DTVPLN	-DTVP0854
32	KDOC-TV	ANAHEIM CA	83.2	APP	BMPCDT	-20040323ATA
35	KMEX-TV	LOS ANGELES CA	83.2	LIC	BLCDDT	-20021118ACF
35	KMEX-DT	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP0964
36	KNBC-DT	LOS ANGELES CA	83.1	PLN	DTVPLN	-DTVP1004
38	KPXN	SAN BERNARDINO CA	83.6	CP MOD	BMPCDT	-20021126AAU
38	KZKI-DT	SAN BERNARDINO CA	60.3	PLN	DTVPLN	-DTVP1040
38	KPXN	SAN BERNARDINO CA	83.2	APP	BMPCDT	-20040727AGB
39	KABE-LP	BAKERSFIELD CA	151.5	STA	BSTA	-20041105BDJ
39	KABE-CA	BAKERSFIELD CA	151.5	LIC	BLTTTL	-19810209IM
39	KVEA	CORONA CA	83.6	LIC	BLCDDT	-20030507AAW
39	KVEA-DT	CORONA CA	83.0	PLN	DTVPLN	-DTVP1079
39	K39DW	DAGGETT, ETC. CA	47.0	LIC	BLTT	-19950929IK
39	NEW	PALM SPRINGS CA	110.9	APP	BNPTTL	-20000831BLT
39	NEW	PALM SPRINGS CA	113.9	APP	BNPTTL	-20000825AJW
39	KNSD	SAN DIEGO CA	215.1	LIC	BLCT	-19921230KF
39	KBLR	PARADISE NV	258.8	LIC	BLCT	-19890427KI
40	KTBN-TV	SANTA ANA CA	83.0	LIC	BLCT	-19830418KH
41	KLCS	LOS ANGELES CA	83.1	LIC	BLEDT	-20030507AAS
41	KLCS-DT	LOS ANGELES CA	83.1	PLN	DTVPLN	-DTVP1151
42	KWHY-TV	LOS ANGELES CA	83.6	CP MOD	BMPCDT	-20000428ABX
42	KWHY-DT	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP1183
43	KCAL-TV	LOS ANGELES CA	83.2	APP	BPCDT	-20040730AWC
43	KCAL-DT	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP1218
43	KCAL-TV	LOS ANGELES CA	83.2	LIC	BLCDDT	-19991119ARO
46	KMIR-DT	PALM SPRINGS CA	114.0	PLN	DTVPLN	-DTVP1318
47	KAZA-TV	AVALON CA	83.1	APP	BPRM	-20020703ABG
47	KAZA-TV	AVALON CA	83.1	CP	BPCDT	-20040528AVJ
47	KFTR-TV	ONTARIO CA	83.1	CP	BPCDT	-19991029AFX
47	KHSC-DT	ONTARIO CA	83.2	PLN	DTVPLN	-DTVP1353
53	KABC-DT	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP1524
53	KVMD	TWENTYNINE PALMS CA	112.1	ADD	BPRM	-20000717AFU
54	KAZA-TV	AVALON CA	83.2	LIC	BLCT	-20010712AGN
39	KABE-LP	BAKERSFIELD CA	151.5	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	KABE-LP	BAKERSFIELD CA	USERRECORD-01	

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	KTTLA-TV	LOS ANGELES CA	144.7	CP	BPCDT	-20000425AAV
31	KTTLA-DT	LOS ANGELES CA	144.7	PLN	DTVPLN	-DTVP0813
32	KDOC-TV	ANAHEIM CA	144.7	CP MOD	BMPCDT	-20000427ABH
32	KDOC-TV	ANAHEIM CA	144.7	APP	BMPCDT	-20040323ATA
35	KMEX-TV	LOS ANGELES CA	144.6	LIC	BLCDDT	-20021118ACF
35	KMEX-DT	LOS ANGELES CA	144.7	PLN	DTVPLN	-DTVP0964
36	KNBC-DT	LOS ANGELES CA	144.8	PLN	DTVPLN	-DTVP1004
39	KVEA	CORONA CA	146.2	LIC	BLCDDT	-20030507AAW
39	KVEA-DT	CORONA CA	145.0	PLN	DTVPLN	-DTVP1079
39	KMSG-LP	FRESNO CA	156.4	CP MOD	BMPTTL	-20040730AAN
39	NEW	PALM SPRINGS CA	264.8	APP	BNPTTL	-20000825AJW
39	KNSD	SAN DIEGO CA	342.4	LIC	BLCT	-19921230KF
39	K39GY	VICTORVILLE CA	151.5	LIC	BLTT	-20030822AFM
39	KBLR	PARADISE NV	329.5	LIC	BLCT	-19890427KI
41	KLCS	LOS ANGELES CA	145.0	LIC	BLEDT	-20030507AAS
41	KLCS-DT	LOS ANGELES CA	145.0	PLN	DTVPLN	-DTVP1151
42	KWHY-DT	LOS ANGELES CA	144.6	PLN	DTVPLN	-DTVP1183
43	KCAL-TV	LOS ANGELES CA	144.6	APP	BPCDT	-20040730AWC
43	KCAL-DT	LOS ANGELES CA	144.6	PLN	DTVPLN	-DTVP1218
43	KCAL-TV	LOS ANGELES CA	144.6	LIC	BLCDDT	-19991119ARO
47	KAZA-TV	AVALON CA	144.6	APP	BPRM	-20020703ABG
47	KAZA-TV	AVALON CA	144.6	CP	BPCDT	-20040528AVJ
47	KFTR-TV	ONTARIO CA	144.6	CP	BPCDT	-19991029AFX
47	KHSC-DT	ONTARIO CA	144.6	PLN	DTVPLN	-DTVP1353
53	KABC-DT	LOS ANGELES CA	144.6	PLN	DTVPLN	-DTVP1524
54	KAZA-TV	AVALON CA	144.7	LIC	BLCT	-20010712AGN

Total scenarios = 1

Result key: 6  
Scenario 1 Affected station 5  
Before Analysis

Results for: 39N CA BAKERSFIELD		USERRECORD01	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	346408	3551.2	
not affected by terrain losses	339847	3232.0	
lost to NTSC IX	81	283.3	
lost to additional IX by ATV	0	0.0	
lost to all IX	81	283.3	

Potential Interfering Stations Included in above Scenario 1

39N CA FRESNO	BMPTTL	20040730AAN	CP
39N CA VICTORVILLE	BLTT	20030822AFM	LIC

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