

TECHNICAL EXHIBIT
MINOR CHANGE APPLICATION FOR
MODIFICATION OF CONSTRUCTION PERMIT
FCC FILE NO. BPTTL-20041129BEG
LOW POWER TV STATION KABE-LP
FACILITY ID 18747
BAKERSFIELD, CALIFORNIA
CH 39 100 KW (MAX-DA)

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of a minor change application for modification of construction permit (FCC File No. BPTTL-20041129BEG) for low power television station KABE-LP at Bakersfield, California (Facility ID: 18747). Specifically, this modification application proposes to change directional antenna system, and increase effective radiated power (ERP). No other changes are proposed including no change in channel (39), frequency offset (-), radiation center above mean sea level (2299 meters), transmitter site location or community of license (Bakersfield).

Purpose of Application

The instant modification application has been prepared in response to the Petition for Reconsideration of the grant of the KABE-LP construction permit filed by The Gary M. Cocola Family Trust, Gary M. Cocola, Trustee ("Cocola Petition"). The Cocola Petition alleges that the authorized KABE-LP facilities do not comply with the provisions of Section 73.707(e) with respect to the authorized operation of LPTV station KMSG-LP on channel 39 at Fresno, California (BMPTTL-20040730AAN). Section 73.707(e) is utilized when an LPTV proposal does not comply with the signal strength ratio (contour overlap) requirements of Section 73.707. Therefore, the purpose of this instant modification application is to specify facilities which permit compliance with the signal strength ratio requirements of Section 73.707(d)(1) with respect to KMSG-LP, as set forth below.

Minor Change Application

This application is considered a "minor change" in facilities pursuant to Section 73.3572(a)(2), as there will be no change in frequency and the proposed 74 dBu contour will overlap the authorized 74 dBu contour.

Proposed Facilities

It is proposed to operate on channel 39 (620-626 MHz) with a "minus" carrier frequency offset using an Bogner model B8UC, off-the-shelf directional antenna (Antenna ID 18181) with a main lobe orientation of 253 degrees true. The maximum directional ERP at any horizontal or vertical angle will be 100 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

The proposed facility complies with all the following applicable rule Sections: Sections 74.705, 74.706, 74.707, 74.708, 74.709 and 74.710. Figure 1 provides the output of study based on OET-69 Bulletin which demonstrates that the proposed KABE-LP operation complies with the FCC's NTSC, DTV, LPTV/TV translator and Class A interference criteria.¹

Environmental Considerations

The proposed KABE-LP television 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".

The calculated power density towards the base of the tower (-60° to -90° elevation) was calculated using the appropriate equation of the Bulletin. Using a greater than expected vertical relative field value of 0.15 (see Figure 2), a maximum visual effective radiated power of 100 kilowatts and 10 percent aural power, the calculated power density at 2 meters above ground level at the base of the tower is 0.1670 milliwatt per square centimeter (mW/cm²), or 40.2 percent of the Commission's recommended limit applicable to general population/uncontrolled exposure areas (0.42

¹ The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. **A nominal grid size resolution of 2 km was employed.** A Sun computer system was employed. The

mW/cm² 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 clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.



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OET-69 Interference Caused Study

KABE-LP USERRECORD-01 BAKERSFIELD CA US
 Channel 39 ERP 100. 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 00000000018181 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	3.610	1125.0	34.1
45.0	7.398	984.8	37.7
90.0	7.924	849.2	36.4
135.0	3.920	972.9	33.1
180.0	7.022	1239.6	40.1
225.0	72.590	1316.9	59.4
270.0	87.423	1224.8	59.7
315.0	12.674	998.9	41.8

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

Contour overlap to station

KVEA 39 CORONA CA BLCDDT 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

K24GS 24 BAKERSFIELD CA BLTTL 20050118ADI

Contour overlap to station

K57AK 39 RIDGECREST CA BDFCDTT 20051011ABF

Contour overlap to station
K57AK 39 RIDGECREST, ETC. CA BPTT 20041201BZR

Contour overlap to station
K39GY 39 VICTORVILLE CA BDFCDTT 20060223AAM

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

Start of Interference Analysis

Channel	Proposed Station	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	K24GS	BAKERSFIELD CA	43.4	LIC	BLTTL	-20050118ADI
39	KVEA	CORONA CA	146.2	LIC	BLCDDT	-20030507AAW
39	K57AK	RIDGECREST CA	82.6	CP	BDFCDTT	-20051011ABF
39	K57AK	RIDGECREST, ETC. CA	82.6	CP	BPTT	-20041201BZR
39	K39GY	VICTORVILLE CA	151.5	APP	BDFCDTT	-20060223AAM
39	K39GY	VICTORVILLE CA	151.5	LIC	BLTT	-20030822AFM

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	K24GS	BAKERSFIELD CA	BLTTL -20050118ADI

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	KBEH	OXNARD CA	114.7	CP	BPCDT -19991028AEN
24	KADY-DT	OXNARD CA	114.6	PLN	DTVPLN -DTVP0557
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
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	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.
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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	-DTVP1254
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	-DTVP1382
49	KSTV-DT	VENTURA CA	89.0	PLN	DTVPLN	-DTVP1412
50	KOCETV	HUNTINGTON BEACH CA	29.9	PLN	DTVPLN	-NPLN1768
51	KRPA-DT	RANCHO PALOS VERDES CA	100.8	PLN	DTVPLN	-DTVP1469
51	KUSITV	SAN DIEGO CA	199.3	PLN	DTVPLN	-NPLN1791
52	KESQ-DT	PALM SPRINGS CA	152.7	PLN	DTVPLN	-DTVP1500
53	KABC-DT	LOS ANGELES CA	0.5	PLN	DTVPLN	-DTVP1524
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	-DTVP1643
60	KCBS-DT	LOS ANGELES CA	1.3	PLN	DTVPLN	-DTVP1664
66	KCOP-DT	LOS ANGELES CA	0.6	PLN	DTVPLN	-DTVP1678

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	LIC	BLC DT	-20050623AAG
38	KZKI-DT	SAN BERNARDINO CA	33.4	PLN	DTVPLN	-DTVP1040
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	342.1	LIC	BLCT	-20050126AGW
40	KNSD	SAN DIEGO CA	198.3	CP MOD	BMPCDT	-20041029AHV
40	KNSD-DT	SAN DIEGO CA	198.3	PLN	DTVPLN	-DTVP1115
40	KNSD	SAN DIEGO CA	198.3	LIC	BLC DT	-20040805AAL
40	KTBN-TV	SANTA ANA CA	1.2	LIC	BLCT	-19830418KH
39	KABE-LP	BAKERSFIELD CA	146.2	APP	USERRECORD-01	

Total scenarios = 6

Result key: 1
Scenario 1 Affected station 2 KVEA
Before Analysis

Results for: 39A CA CORONA	BLC DT	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 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	BMPCDT	20041029AHV	CP

After Analysis

Results for: 39A CA CORONA BLC DT 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 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	BMPCDT	20041029AHV	CP
39N CA BAKERSFIELD	USERRECORD01		APP

Result key: 2

Scenario 2 Affected station 2 KVEA

Before Analysis

Results for: 39A CA CORONA BLC DT 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 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 DTVPLN DTVP1115 PLN

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	228011	452.8
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	DTVPLN	DTVP1115	PLN
39N CA BAKERSFIELD	USERRECORD01		APP

Result key: 3

Scenario 3 Affected station 2 KVEA

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 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	DTVPLN	DTVP1040	PLN
40A CA SAN DIEGO	BLCDT	20040805AAL	LIC

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 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	DTVPLN	DTVP1040	PLN
40A CA SAN DIEGO	BLCDDT	20040805AAL	LIC
39N CA BAKERSFIELD	USERRECORD01		APP

Result key: 4
Scenario 4 Affected station 2 KVEA
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	BMPCDDT	20040727AGB	APP
40A CA SAN DIEGO	BMPCDDT	20041029AHV	CP

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	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	BMPCDDT	20040727AGB	APP
40A CA SAN DIEGO	BMPCDDT	20041029AHV	CP
39N CA BAKERSFIELD	USERRECORD01		APP

Result key: 5
Scenario 5 Affected station 2 KVEA
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	59649	220.4
lost to all IX	240628	2219.8

Potential Interfering Stations Included in above Scenario 5

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 5

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: 6

Scenario 6 Affected station 2 KVEA

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 6

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	BLCDT	20040805AAL	LIC

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 6

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	BLCDT	20040805AAL	LIC
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	K57AK	RIDGECREST CA	BDFCDTT -20051011ABF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	KVEA	CORONA CA	145.0	LIC	BLCDT -20030507AAW
39	KVEA-DT	CORONA CA	143.8	PLN	DTVPLN -DTPV1079
39	KNSD	SAN DIEGO CA	316.9	LIC	BLCT -19921230KF
39	K39GY	VICTORVILLE CA	103.2	APP	BDFCDTT -20060223AAM
39	KBLR	PARADISE NV	248.5	LIC	BLCT -20050126AGW
39	KABE-LP	BAKERSFIELD CA	82.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K57AK	RIDGECREST, ETC. CA	BPTT -20041201BZR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	KTTLA-TV	LOS ANGELES CA	143.6	LIC	BLCDDT	-20050713ACE
31	KTTLA-DT	LOS ANGELES CA	143.6	PLN	DTVPLN	-DTVP0813
32	KDOC-DT	ANAHEIM CA	143.7	PLN	DTVPLN	-DTVP0854
32	KDOC-TV	ANAHEIM CA	143.6	CP MOD	BMPCDDT	-20040323ATA
35	KMEX-TV	LOS ANGELES CA	143.6	LIC	BLCDDT	-20021118ACF
35	KMEX-DT	LOS ANGELES CA	143.6	PLN	DTVPLN	-DTVP0964
36	KNBC-DT	LOS ANGELES CA	143.7	PLN	DTVPLN	-DTVP1004
36	KNBC	LOS ANGELES CA	143.7	APP	BPCDDT	-20050406ACJ
39	KVEA	CORONA CA	144.9	LIC	BLCDDT	-20030507AAW
39	KVEA-DT	CORONA CA	143.8	PLN	DTVPLN	-DTVP1079
39	K39DW	DAGGETT, ETC. CA	97.3	LIC	BLTT	-19950929IK
39	KMSG-LP	FRESNO CA	201.1	CP MOD	BMPTTL	-20040730AAN
39	NEW	PALM SPRINGS CA	210.5	APP	BNPTTL	-20000831BLT
39	KNSD	SAN DIEGO CA	316.9	LIC	BLCT	-19921230KF
39	K39GY	VICTORVILLE CA	103.1	LIC	BLTT	-20030822AFM
39	KBLR	PARADISE NV	248.5	LIC	BLCT	-20050126AGW
41	KLCS-DT	LOS ANGELES CA	143.8	PLN	DTVPLN	-DTVP1151
41	KLCS	LOS ANGELES CA	143.8	LIC	BLEDT	-20030507AAS
42	KWHY-TV	LOS ANGELES CA	144.9	CP MOD	BMPCDDT	-20000428ABX
42	KWHY-DT	LOS ANGELES CA	143.6	PLN	DTVPLN	-DTVP1183
43	KCAL-TV	LOS ANGELES CA	143.6	CP	BPCDDT	-20040730AWC
43	KCAL-DT	LOS ANGELES CA	143.6	PLN	DTVPLN	-DTVP1218
43	KCAL-TV	LOS ANGELES CA	143.6	LIC	BLCDDT	-19991119ARO
47	KAZA-TV	AVALON CA	143.6	LIC	BPRM	-20020703ABG
47	KAZA-TV	AVALON CA	143.6	CP	BPCDDT	-20040528AVJ
47	KFTR-TV	ONTARIO CA	143.6	CP	BPCDDT	-19991029AFX
47	KHSC-DT	ONTARIO CA	143.6	PLN	DTVPLN	-DTVP1353
53	KABC-TV	LOS ANGELES CA	143.6	PLN	DTVPLN	-DTVP1524
54	KAZA-DT	AVALON CA	143.6	LIC	BLCT	-20010712AGN
39	KABE-LP	BAKERSFIELD CA	82.6	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	K39GY	VICTORVILLE CA	BDFCDDT	-20060223AAM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KPXN	SAN BERNARDINO CA	83.6	LIC	BLCDDT	-20050623AAG
38	KZKI-DT	SAN BERNARDINO CA	60.3	PLN	DTVPLN	-DTVP1040
38	KPXN	SAN BERNARDINO CA	83.2	APP	BMPCDDT	-20040727AGB
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	113.9	APP	BNPTTL	-20000825AJW
39	K57AK	RIDGECREST, ETC. CA	103.1	CP	BPTT	-20041201BZR
39	KNSD	SAN DIEGO CA	215.1	LIC	BLCT	-19921230KF
39	KBLR	PARADISE NV	258.9	LIC	BLCT	-20050126AGW
40	KTBN-TV	SANTA ANA CA	83.0	LIC	BLCT	-19830418KH

39 KABE-LP BAKERSFIELD CA 151.5 APP USERRECORD-01

Total scenarios = 1

Result key: 7
Scenario 1 Affected station 5 K39GY
Before Analysis

Results for: 39A CA VICTORVILLE BDFCDTT 20060223AAM APP
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	821702	7257.2
not affected by terrain losses	273285	5735.5
lost to NTSC IX	2487	109.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	2487	109.0

Potential Interfering Stations Included in above Scenario 1

39N CA DAGGETT, ETC.	BLTT	19950929IK	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC

After Analysis

Results for: 39A CA VICTORVILLE BDFCDTT 20060223AAM APP
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	821702	7257.2
not affected by terrain losses	273285	5735.5
lost to NTSC IX	2651	201.8
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	2651	201.8

Potential Interfering Stations Included in above Scenario 1

39N CA DAGGETT, ETC.	BLTT	19950929IK	LIC
39N CA SAN DIEGO	BLCT	19921230KF	LIC
39N CA BAKERSFIELD	USERRECORD01		APP

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Analysis of Interference to Affected Station 6

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	LIC	BLCDDT -20050713ACE
31	KTTLA-DT	LOS ANGELES CA	83.1	PLN	DTVPLN -DTVP0813

32	KDOC-DT	ANAHEIM CA	60.4	PLN	DTVPLN	-DTVP0854
32	KDOC-TV	ANAHEIM CA	83.2	CP MOD	BMPCDT	-20040323ATA
35	KMEX-TV	LOS ANGELES CA	83.2	LIC	BLCDT	-20021118ACF
35	KMEX-DT	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP0964
36	KNBC-DT	LOS ANGELES CA	83.1	PLN	DTVPLN	-DTVP1004
36	KNBC	LOS ANGELES CA	83.1	APP	BPCDT	-20050406ACJ
38	KSCD-LP	BIG BEAR LAKE CA	50.9	APP	BDISTTL	-20060323AEG
38	KPXN	SAN BERNARDINO CA	83.6	LIC	BLCDT	-20050623AAG
38	KZKI-DT	SAN BERNARDINO CA	60.3	PLN	DTVPLN	-DTVP1040
38	KPXN	SAN BERNARDINO CA	83.2	APP	BMPCDT	-20040727AGB
39	KVEA	CORONA CA	83.6	LIC	BLCDT	-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	K57AK	RIDGECREST, ETC. CA	103.1	CP	BPTT	-20041201BZR
39	KNSD	SAN DIEGO CA	215.1	LIC	BLCT	-19921230KF
39	KBLR	PARADISE NV	258.9	LIC	BLCT	-20050126AGW
40	KTBN-TV	SANTA ANA CA	83.0	LIC	BLCT	-19830418KH
41	KLCS-DT	LOS ANGELES CA	83.1	PLN	DTVPLN	-DTVP1151
41	KLCS	LOS ANGELES CA	83.1	LIC	BLEDT	-20030507AAS
42	KWHY-TV	LOS ANGELES CA	83.6	CP MOD	BMPCDT	-20000428ABX
42	KWHY-DT	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP1183
42	KESQ	PALM SPRINGS CA	113.9	APP	BPRM	-20060426AAX
43	KCAL-TV	LOS ANGELES CA	83.2	CP	BPCDT	-20040730AWC
43	KCAL-DT	LOS ANGELES CA	83.2	PLN	DTVPLN	-DTVP1218
43	KCAL-TV	LOS ANGELES CA	83.2	LIC	BLCDT	-19991119ARO
46	KMIR-DT	PALM SPRINGS CA	114.0	PLN	DTVPLN	-DTVP1318
47	KAZA-TV	AVALON CA	83.1	LIC	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 7

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	LIC	BLCDT -20050713ACE
31	KTTLA-DT	LOS ANGELES CA	144.7	PLN	DTVPLN -DTVP0813
32	KDOC-TV	ANAHEIM CA	144.7	CP MOD	BMPCDT -20040323ATA
35	KMEX-TV	LOS ANGELES CA	144.6	LIC	BLCDT -20021118ACF
35	KMEX-DT	LOS ANGELES CA	144.7	PLN	DTVPLN -DTVP0964
36	KNBC-DT	LOS ANGELES CA	144.8	PLN	DTVPLN -DTVP1004

36	KNBC	LOS ANGELES CA	144.8	APP	BPCDT	-20050406ACJ
38	KNXT-LP	MARICOPA, ETC. CA	87.0	CP	BPTTL	-20040213AFW
39	KVEA	CORONA CA	146.2	LIC	BLCDT	-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	K57AK	RIDGECREST CA	82.6	CP	BDFCDTT	-20051011ABF
39	K57AK	RIDGECREST, ETC. CA	82.6	CP	BPTT	-20041201BZR
39	KNSD	SAN DIEGO CA	342.4	LIC	BLCT	-19921230KF
39	K39GY	VICTORVILLE CA	151.5	LIC	BLTT	-20030822AFM
39	KBLR	PARADISE NV	329.6	LIC	BLCT	-20050126AGW
41	KLCS	LOS ANGELES CA	145.0	APP	BXPET	-20041203AFI
41	KLCS-DT	LOS ANGELES CA	145.0	PLN	DTVPLN	-DTVP1151
41	KLCS	LOS ANGELES CA	145.0	LIC	BLEDT	-20030507AAS
42	KWHY-DT	LOS ANGELES CA	144.6	PLN	DTVPLN	-DTVP1183
43	KCAL-TV	LOS ANGELES CA	144.6	CP	BPCDT	-20040730AWC
43	KCAL-DT	LOS ANGELES CA	144.6	PLN	DTVPLN	-DTVP1218
43	KCAL-TV	LOS ANGELES CA	144.6	LIC	BLCDT	-19991119ARO
47	KAZA-TV	AVALON CA	144.6	LIC	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
54	KVVG-LP	PORTERVILLE CA	95.2	LIC	BLTTTL	-20050405ABU

Total scenarios = 1

Result key: 8
Scenario 1 Affected station 7 KABE-LP
Before Analysis

Results for: 39N CA BAKERSFIELD		USERRECORD01	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	368398	6021.4	
not affected by terrain losses	356015	5299.2	
lost to NTSC IX	477	363.1	
lost to additional IX by ATV	0	20.0	
lost to all IX	477	383.1	

Potential Interfering Stations Included in above Scenario 1

39N CA FRESNO	BMPTTL	20040730AAN	CP
39N CA VICTORVILLE	BLTT	20030822AFM	LIC
39A CA CORONA	DTVPLN	DTVP1079	PLN

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

1	24	K24GS	BAKERSFIELD CA	43.4	LIC	BLTTL	-20050118ADI
2	39	KVEA	CORONA CA	146.2	LIC	BLCDT	-20030507AAW
3	39	K57AK	RIDGECREST CA	82.6	CP	BDFCDTT	-20051011ABF
4	39	K57AK	RIDGECREST, ETC. CA	82.6	CP	BPTT	-20041201BZR
5	39	K39GY	VICTORVILLE CA	151.5	APP	BDFCDTT	-20060223AAM
6	39	K39GY	VICTORVILLE CA	151.5	LIC	BLTT	-20030822AFM

Result	Key	Scenario	Affected Station	Before	After	Baseline	Net Change	Percentage
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There is no interference to station 1

1	1	2	382450	382450	12073714	0	0
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There is no interference to station 3

There is no interference to station 4

7	1	5	2487	2942	270798	455	0.168022
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There is no interference to station 6

Figure 2

BOGNER BROADCASTS EQUIPMENT CORP.

603 Cantaglo Rock Road
WESTBURY, NEW YORK 11590

BOGNER VERTICAL PLANE RADIATION PATTERN B8U()

LOW & MEDIUM POWER

