

TECHNICAL EXHIBIT  
DISPLACEMENT RELIEF  
APPLICATION FOR CONSTRUCTION PERMIT  
LOW POWER TV STATION KVVG-LP  
FACILITY ID 18749  
PORTERVILLE, CALIFORNIA  
CH 54 20 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 (LPTV) station KVVG-LP at Porterville, California (Facility ID: 18749; FCC File No. BLTTL-20040722ACC).

Station KVVG-LP is currently licensed to operate on NTSC channel 31 with a directional antenna maximum effective radiated power (ERP) of 14 kW and an antenna radiation center height above mean sea level (RCAMSL) of 1772 meters. However, the facility is receiving actual interference from co-channel Class A station KBTF-CA at Bakersfield, California, located 95 kilometers southeast of the KVVG-LP licensed site. Therefore KVVG-LP is considered displaced.

This application is considered a "minor change" in facilities pursuant to Section 73.3572, as it is a displacement relief application and the proposed 74 dBu contour will overlap a portion of the licensed 74 dBu contour (Figure 1).

Station KVVG-LP proposes to change channels, directional antenna system, frequency offset, and to increase its maximum directional ERP. No other changes are proposed. Specifically it is proposed to operate on channel 54 with an SBP UP-6-NC directional antenna, a "zero" carrier frequency offset and a maximum directional ERP of 20 kW. The FCC Tower Registration number for the proposed tower is 1065031.

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 KVVG-LP operation will not create interference to other existing,

authorized or proposed NTSC full-power stations, except with respect to NTSC stations KAIL on channel 53 at Fresno, California, KAZA-TV on channel 54 at Avalon, California, KTEH on channel 54 at San Jose, California, and KTFF-TV on channel 61 at Porterville, California. However with respect to each facility, interference calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin.<sup>1</sup> Interference calculations for the proposed KVVG-LP operation are summarized below (see also Figure 2).

Protected NTSC Station	FCC Service Population	Proposed Interference Population
KAIL, Ch. 53, Fresno, CA Licensed (BLCT-19841010KL)	1,106,727	4,748 (0.43%)
KAZA-TV, Ch. 54, Avalon, CA Licensed (BLCT-20010712AGN)	--	0 (0.00%)
KTEH, Ch. 54, San Jose, CA Licensed (BLET-20030409AAS)	--	0 (0.00%)
KTFF-TV, Ch. 61, Porterville, CA Licensed (BLCT-20020625AAF)	--	0 (0.00%)

The results of the OET Bulletin No. 69 interference analyses indicate that the proposed KVVG-LP operation complies with the FCC's 0.5% "rounding allowance" for such calculations (see paragraph 78 of MM Docket No. 00-10). Thus, it is believed that the KVVG-LP operation complies with the FCC's interference standards towards all NTSC stations and allotments.

#### Response to Paragraph 13(b) - DTV Station Protection

Calculations based on OET Bulletin No. 69 indicate that the proposed KVVG-LP operation on channel 54 will not cause any (0.0%) interference to any allotted, proposed or actual DTV operating facilities on channels 53, 54 or 55 (see Figure 2).

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<sup>1</sup>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 1 km was employed. A Sun based processor computer system was employed.

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

A study has been conducted using the provisions of Section 74.707 which indicates that the KVVG-LP proposal will not create prohibited interference to other existing, authorized or proposed LPTV, TV translator, or Class A stations with the exception of the authorized construction permit (BPTTL-20000606ACY) of LPTV station KJKZ-LP on channel 54 at Coalinga, California. However, the KJKZ-LP construction permit was canceled on May 19, 2003 and is therefore not an allocation consideration.

Response to Paragraph 14 - Environmental Protection Act

The proposed KVVG-LP 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>2</sup> The calculated power density at 2 meters above ground level at the base of the tower was calculated using the appropriate equation of the Bulletin. Using a greater than expected vertical relative field value of 0.2, a peak visual effective radiated power of 20 kW, 10 percent aural power, and an antenna center of radiation height above ground level of 28 meters, the calculated power density at 2 meters above ground level at the base of the tower is 0.0170 milliwatt per square centimeter ( $\text{mW/cm}^2$ ), or 3.59 percent of the Commission's recommended limit for an "uncontrolled" environment ( $0.48 \text{ mW/cm}^2$  for TV channel 54). Therefore it is believed this proposed operation is in compliance with the FCC's 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 place to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures

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<sup>2</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.

***du Treil, Lundin & Rackley, Inc.***

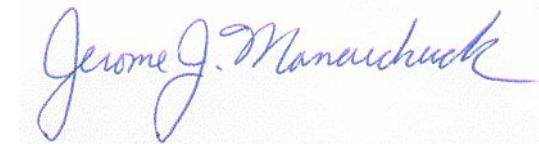
Consulting Engineers

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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.

Finally, it is noted that this technical exhibit only addresses the potential for radio frequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already has been provided to the FCC by the tower owner as part of the tower registration process.

If there are questions concerning the technical portion of this application, please contact the office of the undersigned.

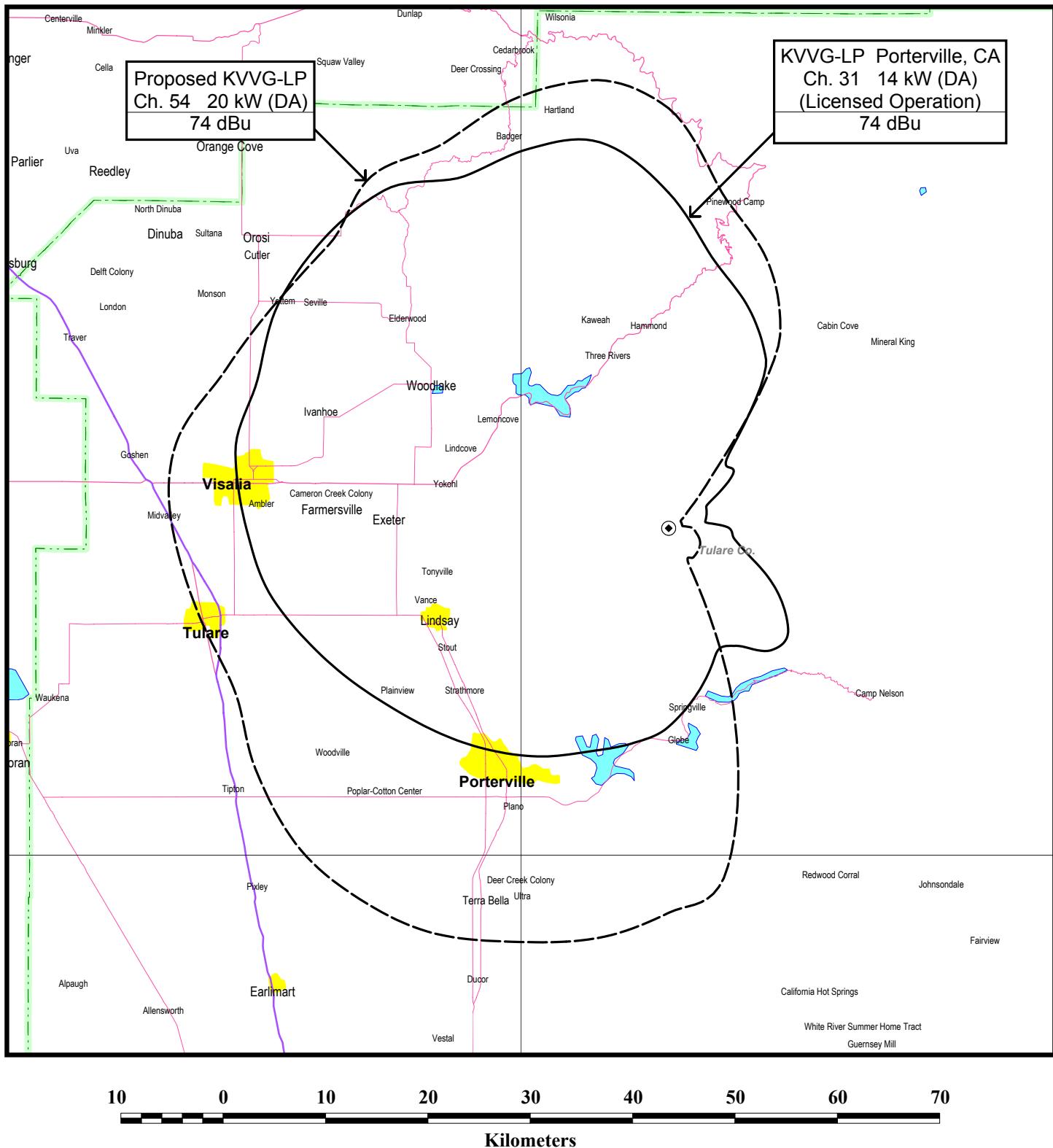


Jerome J. Manarchuck

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December 3, 2004

Figure 1



## FCC PREDICTED 74 dBu CONTOURS

LPTV STATION KVVG-LP  
PORTERVILLE, CALIFORNIA  
CH 54 20 KW (MAX-DA)

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

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-03-2004

Record Selected for Analysis

KVVG-LP USERRECORD-01 PORTERVILLE CA US  
Channel 54 ERP 20. kW HAAT 1320. m RCAMSL 01772 m  
Latitude 036-17-14 Longitude 0118-50-17  
Status APP Zone 2 Border Offset Z  
Dir Antenna Make CDB Model 00000000038253 Beam tilt N Ref Azimuth 280.  
Last update Cutoff date Docket  
Comments  
Applicant

**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)	74.0 dBu F(50,50) (km)
0.0	11.316	796.4	38.0
45.0	0.004	129.5	2.0
90.0	0.000	106.3	1.4
135.0	0.000	818.4	1.5
180.0	0.093	1072.1	11.3
225.0	7.064	1157.1	39.4
270.0	0.727	1320.2	24.0
315.0	5.397	1088.8	36.7

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

Contour overlap to station  
KAIL 53 FRESNO CA BLCT 19841010KL

Contour overlap to station  
KAZA-TV 54 AVALON CA BLCT 20010712AGN

Contour overlap to station  
KTEH 54 SAN JOSE CA BLET 20030409AAS

Contour overlap to station  
KUVI-TV 55 BAKERSFIELD CA BLCDT 20020906ABI

Spacing violation to station  
KTFF-TV 61 PORTERVILLE CA BLCT 20020625AAF  
Site-to-site distance 0.0km

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

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

KJKZ-LP 54 COALINGA CA BPTTL 20000606ACY

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

Proposed Station			
Channel	Call	City/State	ARN
54	KVVG-LP	PORTERVILLE CA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref.	No.
53	KAIL	FRESNO CA	102.1	LIC	BLCT	-19841010KL
54	KAZA-TV	AVALON CA	239.5	LIC	BLCT	-20010712AGN
<b>54</b>	<b>KJKZ-LP</b>	<b>COALINGA CA</b>	<b>140.1</b>	<b>CP</b>	<b>BPTTL</b>	<b>-20000606ACY<sup>1</sup></b>
54	KTEH	SAN JOSE CA	300.5	LIC	BLET	-20030409AAS
55	KUVI-TV	BAKERSFIELD CA	94.7	LIC	BLCDT	-20020906ABI
61	KTFF-TV	PORTERVILLE CA	0.0	LIC	BLCT	-20020625AAF

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Analysis of Interference to Affected Station 1

<sup>1</sup> This KJKZ-LP construction permit, FCC File No. BPTTL-20000606ACY, was cancelled on 5/19/03 and is, therefore, not an allocation consideration.

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
53	KAIL	FRESNO CA	DTVPLN -NPLN1819

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KION	MONTEREY CA	203.8	PLN	DTVPLN -NPLN1695
50	KNXT-DT	VISALIA CA	102.1	PLN	DTVPLN -DTVP1441
51	KNSO	MERCED CA	73.4	PLN	DTVPLN -NPLN1790
53	KABC-DT	LOS ANGELES CA	339.5	PLN	DTVPLN -DTVP1524
53	KVIE-DT	SACRAMENTO CA	225.9	PLN	DTVPLN -DTVP1525
61	KKAG	PORTERVILLE CA	102.1	PLN	DTVPLN -NPLN1921
67	KSMSTV	MONTEREY CA	187.3	PLN	DTVPLN -NPLN1988

Results for: 53N CA FRESNO	DTVPLN	NPLN1819	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1106727	18568.6	
not affected by terrain losses	1076198	16460.4	
lost to NTSC IX	1147	172.8	
lost to additional IX by ATV	1557	219.6	
lost to all IX	2704	392.4	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
53	KAIL	FRESNO CA	BLCT -19841010KL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KION-TV	MONTEREY CA	203.8	LIC	BMLCT -19820622KG
50	KNXT-DT	VISALIA CA	102.1	PLN	DTVPLN -DTVP1441
50	KNXT	VISALIA CA	102.1	CP	BPEDT -20020403ABU
51	KNSO	MERCED CA	0.1	LIC	BLCT -20021007ACD
53	KABC-DT	LOS ANGELES CA	339.5	PLN	DTVPLN -DTVP1524
53	KVIE-DT	SACRAMENTO CA	225.9	PLN	DTVPLN -DTVP1525
61	KTFF-TV	PORTERVILLE CA	102.1	LIC	BLCT -20020625AAF
67	KSMS-TV	MONTEREY CA	187.3	LIC	BMLCT -20040204ABD
54	KVVG-LP	PORTERVILLE CA	102.1	APP	USERRECORD-01

Total scenarios = 2

Result key: 1

Scenario	Affected station	1
Before Analysis		

Results for: 53N CA FRESNO	BLCT	19841010KL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1106727	18568.6	
not affected by terrain losses	1076198	16460.4	
lost to NTSC IX	166	26.4	
lost to additional IX by ATV	1737	304.5	
lost to all IX	1903	330.9	

Potential Interfering Stations Included in above Scenario 1

51N CA MERCED	BLCT	20021007ACD	LIC
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61N CA PORTERVILLE	BLCT	20020625AAF	LIC
50A CA VISALIA	BPEDT	20020403ABU	CP
53A CA SACRAMENTO	DTVPLN	DTVP1525	PLN

#### After Analysis

Results for: 53N CA FRESNO	BLCT	19841010KL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1106727	18568.6	
not affected by terrain losses	1076198	16460.4	
lost to NTSC IX	5232	76.1	
lost to additional IX by ATV	1419	290.9	
lost to all IX	6651	367.0	

Potential Interfering Stations Included in above Scenario 1

51N CA MERCED	BLCT	20021007ACD	LIC
61N CA PORTERVILLE	BLCT	20020625AAF	LIC
50A CA VISALIA	BPEDT	20020403ABU	CP
53A CA SACRAMENTO	DTVPLN	DTVP1525	PLN
54N CA PORTERVILLE	USERRECORD01		APP

Result key: 2

Scenario 2 Affected station 1

#### Before Analysis

Results for: 53N CA FRESNO	BLCT	19841010KL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1106727	18568.6	
not affected by terrain losses	1076198	16460.4	
lost to NTSC IX	166	26.4	
lost to additional IX by ATV	1737	304.5	
lost to all IX	1903	330.9	

Potential Interfering Stations Included in above Scenario 2

51N CA MERCED	BLCT	20021007ACD	LIC
61N CA PORTERVILLE	BLCT	20020625AAF	LIC
50A CA VISALIA	BPEDT	20020403ABU	CP
53A CA SACRAMENTO	DTVPLN	DTVP1525	PLN

#### After Analysis

Results for: 53N CA FRESNO	BLCT	19841010KL	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1106727	18568.6	
not affected by terrain losses	1076198	16460.4	
lost to NTSC IX	5232	76.1	
lost to additional IX by ATV	1419	290.9	
lost to all IX	6651	367.0	

Potential Interfering Stations Included in above Scenario 2

51N CA MERCED	BLCT	20021007ACD	LIC
61N CA PORTERVILLE	BLCT	20020625AAF	LIC
50A CA VISALIA	BPEDT	20020403ABU	CP
53A CA SACRAMENTO	DTVPLN	DTVP1525	PLN
54N CA PORTERVILLE	USERRECORD01		APP

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Analysis of Interference to Affected Station 2

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
54	NEW	AVALON CA	DTVPLN -NPLN1834

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KHSCTV	ONTARIO CA	101.0	PLN	DTVPLN -NPLN1696
47	KHSC-DT	ONTARIO CA	101.0	PLN	DTVPLN -DTVP1353
51	KRPA-DT	RANCHO PALOS VERDES CA	0.0	PLN	DTVPLN -DTVP1469
52	KVEA	CORONA CA	100.8	PLN	DTVPLN -NPLN1805
53	KABC-DT	LOS ANGELES CA	101.0	PLN	DTVPLN -DTVP1524
54	KAJB	CALIPATRIA CA	329.4	PLN	DTVPLN -NPLN1835
55	KFMB-DT	SAN DIEGO CA	117.4	PLN	DTVPLN -DTVP1562
56	KDOCTV	ANAHEIM CA	110.8	PLN	DTVPLN -NPLN1861
57	KSTVT	VENTURA CA	125.4	PLN	DTVPLN -NPLN1876
58	KLCS	LOS ANGELES CA	100.7	PLN	DTVPLN -NPLN1889
61	KSCI-DT	LONG BEACH CA	110.9	PLN	DTVPLN -DTVP1665
62	KRCA	RIVERSIDE CA	110.9	PLN	DTVPLN -NPLN1932
68	KRCA-DT	RIVERSIDE CA	110.9	PLN	DTVPLN -DTVP1682

Results for: 54N CA AVALON	DTVPLN	NPLN1834	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	9889299	22007.7	
not affected by terrain losses	8503513	20251.5	
lost to NTSC IX	895168	242.2	
lost to additional IX by ATV	613288	327.6	
lost to all IX	1508456	569.8	

Analysis of current record

Channel	Call	City/State	Application Ref. No.
54	KAZA-TV	AVALON CA	BLCT -20010712AGN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KFTR-TV	ONTARIO CA	0.0	CP	BPCT -20020205AAB
47	KAZA-TV	AVALON CA	0.1	APP	BPRM -20020703ABG
47	KAZA-TV	AVALON CA	0.1	CP	BPCDT -20040528AVJ
47	KFTR-TV	ONTARIO CA	0.1	CP	BPCDT -19991029AFX
47	KHSC-DT	ONTARIO CA	0.1	PLN	DTVPLN -DTVP1353
51	KRPA-DT	RANCHO PALOS VERDES CA	100.9	PLN	DTVPLN -DTVP1469
51	KXLA	RANCHO PALOS VERDES CA	0.0	CP MOD	BMPCDT -20031231AAM
52	KVEA	CORONA CA	1.5	LIC	BLCT -20030311AOQ
53	KABC-DT	LOS ANGELES CA	0.1	PLN	DTVPLN -DTVP1524
53	KVMD	TWENTYNINE PALMS CA	172.0	ADD	BPRM -20000717AFU
54	KAJB	CALIPATRIA CA	327.0	LIC	BLCT -20001221ABL
55	KUVI-TV	BAKERSFIELD CA	148.1	LIC	BLCDT -20020906ABI
55	KUZZ-DT	BAKERSFIELD CA	148.1	PLN	DTVPLN -DTVP1560
55	KFMB-DT	SAN DIEGO CA	171.9	PLN	DTVPLN -DTVP1562
55	KFMB-TV	SAN DIEGO CA	171.9	CP	BPCDT -20000501ADY
56	KDOC-TV	ANAHEIM CA	0.0	CP MOD	BMPCT -20040128AHX
57	KJLA	VENTURA CA	88.7	LIC	BLCT -20000323ABW
58	KLCS	LOS ANGELES CA	0.4	LIC	BLET -20030522AGL
61	KSCI	LONG BEACH CA	1.5	LIC	BLCDT -20011114ABO

61	KSCI-DT	LONG BEACH CA	34.1	PLN	DTVPLN	-DTVP1665
62	KRCA	RIVERSIDE CA	1.5	LIC	BLCT	-20020308ABC
68	KRCA	RIVERSIDE CA	1.5	CP MOD	BMPCDT	-20000501AFR
68	KRCA-DT	RIVERSIDE CA	34.1	PLN	DTVPLN	-DTVP1682
54	KVVG-LP	PORTERVILLE CA	239.5	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 3

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
54	KJKZ-LP	COALINGA CA	BPTTL -20000606ACY

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KGPE	FRESNO CA	121.8	CP	BPCT -20030805AFJ
50	KNXT-DT	VISALIA CA	140.1	PLN	DTVPLN -DTVP1441
50	KNXT	VISALIA CA	140.1	CP	BPEDT -20020403ABU
53	KAIL	FRESNO CA	121.6	LIC	BLCT -19841010KL
54	KAZA-TV	AVALON CA	313.5	LIC	BLCT -20010712AGN
54	KTEH	SAN JOSE CA	185.0	LIC	BLET -20030409AAS
54	KTEH1	SANTA CRUZ CA	156.6	LIC	BLUB -19911114JC
54	KFTY	SANTA ROSA CA	328.2	LIC	BLCDT -20030723AII
54	KFTY-DT	SANTA ROSA CA	328.2	PLN	DTVPLN -DTVP1543
58	KCAH	WATSONVILLE CA	110.3	CP	BPEDT -20000501AGG
58	KCAH-DT	WATSONVILLE CA	110.3	PLN	DTVPLN -DTVP1621
58	KCAH	WATSONVILLE CA	110.3	APP	BMPEDT -20040803ACC
54	KVVG-LP	PORTERVILLE CA	140.1	APP	USERRECORD-01

Total scenarios = 2

Result key: 3

Scenario 1 Affected station 3

Before Analysis

Results for: 54N CA COALINGA	BPTTL	20000606ACY	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8658	1267.5	
not affected by terrain losses	8602	1130.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	0	0.0	

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 54N CA COALINGA	BPTTL	20000606ACY	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8658	1267.5	
not affected by terrain losses	8602	1130.5	
lost to NTSC IX	8403	600.2	
lost to additional IX by ATV	0	0.0	

lost to all IX 8403 600.2

Potential Interfering Stations Included in above Scenario 1

54N CA PORTERVILLE USERRECORD01 APP

The following station failed the de minimis interference criteria.

54N CA PORTERVILLE USERRECORD01

ERP 20.00 kW HAAT 1320.0 m RCAMSL 1772.0 m

Antenna CDB 0000000038253

Due to interference to the following station and scenario: 1

54N CA COALINGA BPTTL 20000606ACY

ERP 38.60 kW HAAT 951.0 m RCAMSL 1148.0 m

Antenna CDB 0000000018190

Percent Service lost without proposal: 0.0 to BPTTL 20000606ACY

Percent Service lost with proposal: 97.1 to BPTTL 20000606ACY

Result key: 4

Scenario 2 Affected station 3

Before Analysis

Results for: 54N CA COALINGA BPTTL 20000606ACY CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	8658	1267.5
not affected by terrain losses	8602	1130.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 2

After Analysis

Results for: 54N CA COALINGA BPTTL 20000606ACY CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	8658	1267.5
not affected by terrain losses	8602	1130.5
lost to NTSC IX	8403	600.2
lost to additional IX by ATV	0	0.0
lost to all IX	8403	600.2

Potential Interfering Stations Included in above Scenario 2

54N CA PORTERVILLE USERRECORD01 APP

The following station failed the de minimis interference criteria.

54N CA PORTERVILLE USERRECORD01

ERP 20.00 kW HAAT 1320.0 m RCAMSL 1772.0 m

Antenna CDB 0000000038253

Due to interference to the following station and scenario: 2

54N CA COALINGA BPTTL 20000606ACY

ERP 38.60 kW HAAT 951.0 m RCAMSL 1148.0 m

Antenna CDB 0000000018190

Percent Service lost without proposal: 0.0 to BPTTL 20000606ACY

Percent Service lost with proposal: 97.1 to BPTTL 20000606ACY

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Analysis of Interference to Affected Station 4

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.
54	KTEH	SAN JOSE CA	BLET -20030409AAS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KION-TV	MONTEREY CA	108.2	LIC	BMLCT -19820622KG
46	KQCA	STOCKTON CA	92.5	CP MOD	BMPCDT -20020626AAA
46	KQCA-DT	STOCKTON CA	89.5	PLN	DTVPLN -DTVP1319
47	KWOK-DT	NOVATO CA	97.2	PLN	DTVPLN -DTVP1352
47	KTLN-TV	NOVATO CA	97.3	CP	BPCDT -19991026ABE
50	KTEH	SAN JOSE CA	0.0	CP	BPEDT -19990122KF
50	KTEH-DT	SAN JOSE CA	0.3	PLN	DTVPLN -DTVP1440
51	KDTV	SAN FRANCISCO CA	1.3	LIC	BLCDT -20021015ABK
51	KDTV-DT	SAN FRANCISCO CA	1.3	PLN	DTVPLN -DTVP1470
52	KICU-TV	SAN JOSE CA	0.0	LIC	BLCDT -19991101ADU
52	KICU-DT	SAN JOSE CA	0.0	PLN	DTVPLN -DTVP1501
52	KICU-TV	SAN JOSE CA	0.0	CP	BPCDT -20000501ACY

53	KVIE-DT	SACRAMENTO CA	92.7	PLN	DTVPLN	-DTVP1525
54	KFTY	SANTA ROSA CA	147.4	LIC	BLCDT	-20030723AII
54	KFTY-DT	SANTA ROSA CA	147.4	PLN	DTVPLN	-DTVP1543
55	KTXL	SACRAMENTO CA	92.7	LIC	BLCDT	-19991202ABL
55	KTXL-DT	SACRAMENTO CA	92.7	PLN	DTVPLN	-DTVP1561
55	KTXL	SACRAMENTO CA	92.7	CP MOD	BMPCDT	-19990609KE
56	KTVU-DT	OAKLAND CA	59.5	PLN	DTVPLN	-DTVP1580
57	KRON-DT	SAN FRANCISCO CA	59.5	PLN	DTVPLN	-DTVP1601
58	KQCA	STOCKTON CA	89.5	LIC	BLCT	-19870224KH
58	KCAH	WATSONVILLE CA	87.5	CP	BPEDT	-20000501AGG
58	KCAH-DT	WATSONVILLE CA	87.5	PLN	DTVPLN	-DTVP1621
58	KCAH	WATSONVILLE CA	87.5	APP	BMPEDT	-20040803ACC
61	KXTV-DT	SACRAMENTO CA	89.5	PLN	DTVPLN	-DTVP1666
62	KTFK-TV	STOCKTON CA	44.0	LIC	BLCDT	-20030813AFW
62	KFTL-DT	STOCKTON CA	45.1	PLN	DTVPLN	-DTVP1670
68	KTLN-TV	NOVATO CA	97.3	LIC	BLCT	-19980701KE
54	KVVG-LP	PORTERVILLE CA	300.5	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 5

##### DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
55	KUZZ-DT	BAKERSFIELD CA	DTVPLN -DTVP1560

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
55	KTXL-DT	SACRAMENTO CA	399.5	PLN	DTVPLN -DTVP1561
55	KFMB-DT	SAN DIEGO CA	320.0	PLN	DTVPLN -DTVP1562
56	KDOCTV	ANAHEIM CA	168.4	PLN	DTVPLN -NPLN1861

Results for: 55A CA BAKERSFIELD	DTVPLN	DTVP1560	PLN
HAAT 404.0 m, ATV ERP 246.0 kW			

	POPULATION	AREA (sq km)
within Noise Limited Contour	594667	20242.7
not affected by terrain losses	563737	16316.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	2.0
lost to ATV IX only	0	2.0
lost to all IX	0	2.0

##### NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
45	KUZZTV	BAKERSFIELD CA	DTVPLN -NPLN1678

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	NEW	SANTA BARBARA CA	150.4	PLN	DTVPLN -NPLN1537
44	KHIZ-DT	BARSTOW CA	161.3	PLN	DTVPLN -DTVP1254
44	KGMC-DT	CLOVIS CA	153.2	PLN	DTVPLN -DTVP1255
46	KHSCTV	ONTARIO CA	148.1	PLN	DTVPLN -NPLN1696
48	KKAG-DT	PORTERVILLE CA	94.7	PLN	DTVPLN -DTVP1383
49	KSTV-DT	VENTURA CA	125.8	PLN	DTVPLN -DTVP1412
49	KNXT	VISALIA CA	94.7	PLN	DTVPLN -NPLN1747

52	KVEA	CORONA CA	148.5	PLN	DTVPLN	-NPLN1805
59	KMSGTV	SANGER CA	192.0	PLN	DTVPLN	-NPLN1901

Results for: 45N CA BAKERSFIELD

	POPULATION	DTVPLN	NPLN1678	PLN
within Noise Limited Contour	596606	20239.7		
not affected by terrain losses	563382	16130.1		
lost to NTSC IX	40726	139.2		
lost to additional IX by ATV	2625	7.0		
lost to all IX	43351	146.2		

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
55	KUVI-TV	BAKERSFIELD CA	BLCDT -20020906ABI

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
54	KAZA-TV	AVALON CA	148.1	LIC	BLCT -20010712AGN
55	KTXL	SACRAMENTO CA	399.5	LIC	BLCDT -19991202ABL
55	KTXL-DT	SACRAMENTO CA	399.5	PLN	DTVPLN -DTVP1561
55	KTXL	SACRAMENTO CA	399.5	CP MOD	BMPCDT -19990609KE
55	KFMB-DT	SAN DIEGO CA	320.0	PLN	DTVPLN -DTVP1562
55	KFMB-TV	SAN DIEGO CA	320.0	CP	BPCDT -20000501ADY
56	KDOC-TV	ANAHEIM CA	148.1	CP MOD	BMPCT -20040128AHX
54	KVVG-LP	PORTERVILLE CA	94.7	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 6

#### NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
61	KKAG	PORTERVILLE CA	DTVPLN -NPLN1921

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
53	KAIL	FRESNO CA	102.1	PLN	DTVPLN -NPLN1819
59	KMSGTV	SANGER CA	102.2	PLN	DTVPLN -NPLN1901
61	KSCI-DT	LONG BEACH CA	255.3	PLN	DTVPLN -DTVP1665
61	KXTV-DT	SACRAMENTO CA	320.3	PLN	DTVPLN -DTVP1666

Results for: 61N CA PORTERVILLE

	POPULATION	DTVPLN	NPLN1921	PLN
within Noise Limited Contour	1380789	25468.3		
not affected by terrain losses	1280014	21471.6		
lost to NTSC IX	1518	49.2		
lost to additional IX by ATV	135	26.6		
lost to all IX	1653	75.8		

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
61	KTFF-TV	PORTERVILLE CA	BLCT -20020625AAF

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
53	KAIL	FRESNO CA	102.1	LIC	BLCT -19841010KL
59	KFRE-TV	SANGER CA	102.6	CP MOD	BMPCT -20020731AAF
61	KSCI	LONG BEACH CA	241.0	LIC	BLCDT -20011114ABO
61	KSCI-DT	LONG BEACH CA	255.3	PLN	DTVPLN -DTVP1665
61	KXTV-DT	SACRAMENTO CA	320.3	PLN	DTVPLN -DTVP1666
54	KVVG-LP	PORTERVILLE CA	0.0	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.
54	KVVG-LP	PORTERVILLE CA	USERRECORD-01

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	KGPE	FRESNO CA	101.6	CP	BPCT -20030805AFJ
50	KNXT-DT	VISALIA CA	0.0	PLN	DTVPLN -DTVP1441
50	KNXT	VISALIA CA	0.0	CP	BPEDT -20020403ABU
53	KAIL	FRESNO CA	102.1	LIC	BLCT -19841010KL
54	KAZA-TV	AVALON CA	239.5	LIC	BLCT -20010712AGN
54	KJKZ-LP	COALINGA CA	140.1	CP	BPTTL -20000606ACY
54	KTEH	SAN JOSE CA	300.5	LIC	BLET -20030409AAS
55	KUVI-TV	BAKERSFIELD CA	94.7	LIC	BLCDT -20020906ABI
55	KUZZ-DT	BAKERSFIELD CA	94.7	PLN	DTVPLN -DTVP1560
55	KMSG-LP	FRESNO CA	64.6	LIC	BLTTL -20030310BAN

Total scenarios = 1

Result key: 5

Scenario 1 Affected station 7

Before Analysis

Results for: 54N CA PORTERVILLE	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	48822	1235.8
not affected by terrain losses	44120	1132.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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