

**FIGURE 2 (8 Pages)**

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-07-2009 Time: 18:45:20

Record Selected for Analysis

K20IU USERRECORD-01 BIG BEAR LAKE CA US  
Channel 12 ERP 0.2 kW HAAT 1350. m RCAMSL 01957 m  
Latitude 034-11-26 Longitude 0117-06-02  
Status APP Zone 2 Border Offset +  
Dir Antenna Make usr Model SCA\_CA2 Beam tilt N Ref Azimuth 270.  
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)	68.0 dBu F(50,50) (km)
0.0	0.000	217.7	1.0
45.0	0.005	33.0	2.1
90.0	0.014	194.9	5.7
135.0	0.001	770.5	2.1
180.0	0.000	1165.7	1.0
225.0	0.038	1349.8	15.7
270.0	0.200	1018.4	30.7
315.0	0.070	295.4	11.7

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 within the Mexican coordination distance  
Distance to border = 182.9km

Proposed station is OK toward AM broadcast stations

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## Start of Interference Analysis

Proposed Station			
Channel	Call	City/State	ARN
12	K20IU	BIG BEAR LAKE CA	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	KTTV	LOS ANGELES CA	88.6	CP MOD	BMPCDT	-20080616AAK
12	KNLA-LP	LOS ANGELES CA	88.4	APP	BDISTVL	-20090630AHD
12	KMRZ-LP	MORENO VALLEY CA	30.3	APP	BDISDV	-20070507AFB
12	KMRZ-LP	MORENO VALLEY CA	31.4	APP	BDISTVL	-20081031ACA
12	KYAV-LP	PALM SPRINGS CA	71.2	APP	BDFCDVL	-20090326AAM
12	KYAV-LP	PALM SPRINGS CA	71.2	LIC	BLTVL	-20011030AAD
12	K67AO	PALMDALE CA	55.6	APP	BSTA	-20070508ACB
12	K67AO	PALMDALE CA	55.7	CP	BDFCDTT	-20060320AAE
12	K12PO	TEMECULA CA	66.5	LIC	BLTTV	-20040219ACC
13	KCOP-TV	LOS ANGELES CA	88.6	CP MOD	BMPCDT	-20080319ACJ



## Analysis of Interference to Affected Station 1

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	KTTV	LOS ANGELES CA	BMPCDT	-20080616AAK

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KERO-TV	BAKERSFIELD CA	144.9	CP	BPCDT	-20080619AIN
10	KERO-TV	BAKERSFIELD CA	144.9	PLN	DTVPLN	-DTVP0238
10	KERO-TV	BAKERSFIELD CA	144.9	LIC	BMLCDT	-20030429AAS
10	KGTV	SAN DIEGO CA	171.5	CP	BPCDT	-20080310AAX
10	KGTV	SAN DIEGO CA	171.5	PLN	DTVPLN	-DTVP0240
11	KYMA-DT	YUMA AZ	326.5	CP MOD	BMPCDT	-20090219ABV
11	KYMA	YUMA AZ	326.5	PLN	DTVPLN	-DTVP0299
11	KNSO	MERCED CA	339.7	CP	BPCDT	-20080620ADF
11	KNSO	MERCED CA	339.7	PLN	DTVPLN	-DTVP0302
11	KLVX	LAS VEGAS NV	341.3	LIC	BLEDT	-20020329ADR
11	KLVX	LAS VEGAS NV	341.3	PLN	DTVPLN	-DTVP0330
12	K20IU	BIG BEAR LAKE CA	88.6	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	KNLA-LP	LOS ANGELES CA	BDISTVL -20090630AHD

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	KVER-CA	INDIO CA	154.9	APP	BDISDVA	-20090612AIJ
11	K35DG	LA JOLLA CA	170.2	APP	BDISDVA	-20080804AEL
11	KTTV	LOS ANGELES CA	1.3	CP MOD	BMPCDT	-20080616AAK
11	KTTV	LOS ANGELES CA	1.3	PLN	DTVPLN	-DTVP0301
11	NEW	PALM SPRINGS CA	154.8	APP	BSFDTL	-20060630BAF
12	K12OF	BULLHEAD CITY AZ	339.1	APP	BDFCDTV	-20090824AHS
12	KJOI-LP	BAKERSFIELD CA	149.5	LIC	BLTVL	-20080819ABF
12	KJOI-LP	BAKERSFIELD CA	149.5	CP	BDFCDVL	-20090821ADI
12	KTBV-LD	BAKERSFIELD CA	104.2	LIC	BLDVL	-20080123AEW
12	KTBV-LD	BAKERSFIELD CA	31.1	APP	BSTA	-20090616ACH
12	KMRZ-LP	MORENO VALLEY CA	77.2	APP	BDISDVL	-20070507AFB
12	KMRZ-LP	MORENO VALLEY CA	116.5	APP	BDISTVL	-20081031ACA
12	KYAV-LP	PALM SPRINGS CA	154.8	APP	BDFCDVL	-20090326AAM
12	KYAV-LP	PALM SPRINGS CA	154.8	LIC	BLTVL	-20011030AAD
12	K67AO	PALMDALE CA	38.8	CP	BDFCDTT	-20060320AAE
12	K67AO	RIDGECREST, ETC. CA	137.8	CP	BPTTV	-20041129ABP
12	KTBV-LD	SANTA CLARITA CA	31.1	CP	BPDVL	-20080602BPI
12	K12PO	TEMECULA CA	108.9	APP	BDFCDTV	-20070615ACR
12	K12PO	TEMECULA CA	108.8	LIC	BLTTV	-20040219ACC
13	KCOP-TV	LOS ANGELES CA	1.3	CP MOD	BMPCDT	-20080319ACJ
13	KCOP-TV	LOS ANGELES CA	1.8	PLN	DTVPLN	-DTVP0417
12	K20IU	BIG BEAR LAKE CA	88.4	APP	USERRECORD-01	

Total scenarios = 20

Result key: 1  
Scenario 1 Affected station 2 KNLA-LP  
Before Analysis

Results for: 12N CA LOS ANGELES	BDISTVL	20090630AHD	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3572303	1971.3	
not affected by terrain losses	3489506	1860.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3324172	1179.6	
lost to all IX	3324172	1179.6	

Potential Interfering Stations Included in above Scenario 1

11A CA LOS ANGELES	BMPCDT	20080616AAK	CP
12A CA PALMDALE	BDFCDTT	20060320AAE	CP
13A CA LOS ANGELES	BMPCDT	20080319ACJ	CP

After Analysis

Results for: 12N CA LOS ANGELES	BDISTVL	20090630AHD	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3572303	1971.3	
not affected by terrain losses	3489506	1860.1	
lost to NTSC IX	1511544	413.6	
lost to additional IX by ATV	1812628	766.1	
lost to all IX	3324172	1179.6	

Potential Interfering Stations Included in above Scenario 1

11A	CA	LOS ANGELES	BMPCDT	20080616AAK	CP
12A	CA	PALMDALE	BDFCDTT	20060320AAE	CP
13A	CA	LOS ANGELES	BMPCDT	20080319ACJ	CP
12N	CA	BIG BEAR LAKE	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% 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 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	KMRZ-LP	MORENO VALLEY CA	BDISDVL -20070507AFB

(NOTE: THIS AFFECTED STATION APPLICATION HAS BEEN DISMISSED BY THE FCC. THEREFORE, THIS STUDY HAS BEEN REMOVED. NO PROTECTION TO THIS AFFECTED STATION APPLICATION IS REQUIRED.)

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	KMRZ-LP	MORENO VALLEY CA	BDISTVL -20081031ACA

(NOTE: THIS AFFECTED STATION APPLICATION HAS BEEN DISMISSED BY THE FCC. THEREFORE, THIS STUDY HAS BEEN REMOVED. NO PROTECTION TO THIS AFFECTED STATION APPLICATION IS REQUIRED.)

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	KYAV-LP	PALM SPRINGS CA	BDFCDVL -20090326AAM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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11	K11LX	BULLHEAD CITY AZ	228.0	APP	BDFCDTV	-20090824AHU
11	KVER-CA	INDIO CA	0.1	APP	BDISDVA	-20090612AIJ
11	K35DG	LA JOLLA CA	136.8	APP	BDISDVA	-20080804AEL
11	NEW	PALM SPRINGS CA	0.2	APP	BSFDTL	-20060630BAF
12	K12OF	BULLHEAD CITY AZ	228.0	APP	BDFCDTV	-20090824AHS
12	KPDT-LD	PRESCOTT AZ	407.1	CP	BDCCDVL	-20061002AEN
12	KJOI-LP	BAKERSFIELD CA	273.8	CP	BDFCDVL	-20090821ADI
12	KTBV-LD	BAKERSFIELD CA	254.0	LIC	BLDVL	-20080123AEW
12	KTBV-LD	BAKERSFIELD CA	183.6	APP	BSTA	-20090616ACH
12	KMRZ-LP	MORENO VALLEY CA	78.7	APP	BDISDVL	-20070507AFB
12	KMRZ-LP	MORENO VALLEY CA	39.8	APP	BDISTVL	-20081031ACA
12	K67AO	PALMDALE CA	126.3	CP	BDFCDTT	-20060320AAE
12	KTBV-LD	SANTA CLARITA CA	183.6	CP	BPDVL	-20080602BPI
12	K12PO	TEMECULA CA	72.6	APP	BDFCDTV	-20070615ACR
12	K12PO	TEMECULA CA	72.6	LIC	BLTTV	-20040219ACC
12	K20IU	BIG BEAR LAKE CA	71.2	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.
12	KYAV-LP	PALM SPRINGS CA	BLTVL	-20011030AAD

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	KVER-CA	INDIO CA	0.1	APP	BDISDVA	-20090612AIJ
11	K35DG	LA JOLLA CA	136.8	APP	BDISDVA	-20080804AEL
11	NEW	PALM SPRINGS CA	0.2	APP	BSFDTL	-20060630BAF
12	K12OF	BULLHEAD CITY AZ	228.0	APP	BDFCDTV	-20090824AHS
12	KPDT-LD	PRESCOTT AZ	407.1	CP	BDCCDVL	-20061002AEN
12	KJOI-LP	BAKERSFIELD CA	273.8	CP	BDFCDVL	-20090821ADI
12	KTBV-LD	BAKERSFIELD CA	254.0	LIC	BLDVL	-20080123AEW
12	KTBV-LD	BAKERSFIELD CA	183.6	APP	BSTA	-20090616ACH
12	KNLA-LP	LOS ANGELES CA	154.8	APP	BDISTVL	-20090630AHD
12	KMRZ-LP	MORENO VALLEY CA	78.7	APP	BDISDVL	-20070507AFB
12	KMRZ-LP	MORENO VALLEY CA	39.8	APP	BDISTVL	-20081031ACA
12	K12JI	NEWBERRY SPRINGS CA	109.9	LIC	BLTTV	-5052
12	K67AO	PALMDALE CA	126.3	CP	BDFCDTT	-20060320AAE
12	K67AO	RIDGECREST, ETC. CA	215.4	CP	BPTTV	-20041129ABP
12	KTBV-LD	SANTA CLARITA CA	183.6	CP	BPDVL	-20080602BPI
12	K12PO	TEMECULA CA	72.6	APP	BDFCDTV	-20070615ACR
12	K12PO	TEMECULA CA	72.6	LIC	BLTTV	-20040219ACC
13	K13WJ	MORONGO VALLEY CA	24.4	LIC	BLTTV	-19950929IM
12	K20IU	BIG BEAR LAKE CA	71.2	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.
12	K67AO	PALMDALE CA	BSTA -20070508ACB

(NOTE: THIS AFFECTED STATION IS AN STA THAT DOES NOT REQUIRE PROTECTION.  
THEREFORE, THIS STUDY HAS BEEN REMOVED.)

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## Analysis of Interference to Affected Station 8

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	K67AO	PALMDALE CA	BDFCDTT -20060320AAE

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KVER-CA	INDIO CA	126.4	APP	BDISDVA -20090612AIJ
11	K35DG	LA JOLLA CA	172.6	APP	BDISDVA -20080804AEL
11	KTTV	LOS ANGELES CA	38.4	CP MOD	BMPCDT -20080616AAK
11	KTTV	LOS ANGELES CA	38.4	PLN	DTVPLN -DTVP0301
11	NEW	PALM SPRINGS CA	126.3	APP	BSFDTL -20060630BAF
12	K12OF	BULLHEAD CITY AZ	300.4	APP	BDFCDTV -20090824AHS
12	KJOI-LP	BAKERSFIELD CA	154.9	CP	BDFCDVL -20090821ADI
12	KTBV-LD	BAKERSFIELD CA	127.8	LIC	BLDVL -20080123AEW
12	KTBV-LD	BAKERSFIELD CA	60.1	APP	BSTA -20090616ACH
12	KNLA-LP	LOS ANGELES CA	38.8	APP	BDISTVL -20090630AHD
12	KMRZ-LP	MORENO VALLEY CA	56.6	APP	BDISDVL -20070507AFB
12	KMRZ-LP	MORENO VALLEY CA	86.5	APP	BDISTVL -20081031ACA
12	K12JI	NEWBERRY SPRINGS CA	105.6	LIC	BLTTV -5052
12	KYAV-LP	PALM SPRINGS CA	126.3	APP	BDFCDVL -20090326AAM
12	KYAV-LP	PALM SPRINGS CA	126.3	LIC	BLTVL -20011030AAD
12	KTBV-LD	SANTA CLARITA CA	60.1	CP	BPDVL -20080602BPI
12	K12PO	TEMECULA CA	97.4	APP	BDFCDTV -20070615ACR
13	KCOP-TV	LOS ANGELES CA	38.4	CP MOD	BMPCDT -20080319ACJ
13	KCOP-TV	LOS ANGELES CA	38.6	PLN	DTVPLN -DTVP0417
12	K20IU	BIG BEAR LAKE CA	55.7	APP	USERRECORD-01

Total scenarios = 104

Result key: 156

Scenario 35 Affected station 8 K67AO

Before Analysis

Results for: 12A CA PALMDALE BDFCDTT 20060320AAE CP

HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5460483	6625.8
not affected by terrain losses	4654772	6107.5
lost to NTSC IX	2593920	729.3
lost to additional IX by ATV	3275	23.6
lost to ATV IX only	587672	246.4

lost to all IX 2597195 752.9

Potential Interfering Stations Included in above Scenario 35

12N CA LOS ANGELES	BDISTVL	20090630AHD	APP
12N CA PALM SPRINGS	BLTVL	20011030AAD	LIC
11A CA LOS ANGELES	BMPCDT	20080616AAK	CP
12A CA BAKERSFIELD	BLDVL	20080123AEW	LIC
13A CA LOS ANGELES	BMPCDT	20080319ACJ	CP

After Analysis

Results for: 12A CA PALMDALE BDFCDTT 20060320AAE CP

HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5460483	6625.8
not affected by terrain losses	4654772	6107.5
lost to NTSC IX	2599935	762.7
lost to additional IX by ATV	3275	22.6
lost to ATV IX only	587672	246.4
lost to all IX	2603210	785.3

Potential Interfering Stations Included in above Scenario 35

12N CA LOS ANGELES	BDISTVL	20090630AHD	APP
12N CA PALM SPRINGS	BLTVL	20011030AAD	LIC
11A CA LOS ANGELES	BMPCDT	20080616AAK	CP
12A CA BAKERSFIELD	BLDVL	20080123AEW	LIC
13A CA LOS ANGELES	BMPCDT	20080319ACJ	CP
12N CA BIG BEAR LAKE	USERRECORD01		APP

Percent new IX = 0.2923%

Worst case new IX 0.2923% Scenario 35

(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 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	K12PO	TEMECULA CA	BLTTV -20040219ACC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KVER-CA	INDIO CA	72.7	APP	BDISDVA -20090612AIJ
11	K35DG	LA JOLLA CA	84.2	APP	BDISDVA -20080804AEL
11	KTTV	LOS ANGELES CA	109.8	CP MOD	BMPCDT -20080616AAK
11	KTTV	LOS ANGELES CA	109.8	PLN	DTVPLN -DTVP0301
11	NEW	PALM SPRINGS CA	72.8	APP	BSFDTL -20060630BAF

12	K12OF	BULLHEAD CITY AZ	298.2	APP	BDFCDTV	-20090824AHS
12	KJOI-LP	BAKERSFIELD CA	251.6	CP	BDFCDVL	-20090821ADI
12	KTBV-LD	BAKERSFIELD CA	213.0	LIC	BLDVL	-20080123AEW
12	KTBV-LD	BAKERSFIELD CA	140.0	APP	BSTA	-20090616ACH
12	KNLA-LP	LOS ANGELES CA	108.8	APP	BDISTVL	-20090630AHD
12	KMRZ-LP	MORENO VALLEY CA	42.7	APP	BDISDVL	-20070507AFB
12	KMRZ-LP	MORENO VALLEY CA	58.3	APP	BDISTVL	-20081031ACA
12	KYAV-LP	PALM SPRINGS CA	72.6	APP	BDFCDVL	-20090326AAM
12	KYAV-LP	PALM SPRINGS CA	72.6	LIC	BLTVL	-20011030AAD
12	K67AO	PALMDALE CA	97.3	CP	BDFCDTT	-20060320AAE
12	KTBV-LD	SANTA CLARITA CA	140.0	CP	BPDVL	-20080602BPI
13	KCOP-TV	LOS ANGELES CA	109.8	CP MOD	BMPCDT	-20080319ACJ
13	KCOP-TV	LOS ANGELES CA	110.3	PLN	DTVPLN	-DTVP0417
12	K20IU	BIG BEAR LAKE CA	66.5	APP	USERRECORD-01	

Proposal causes no interference

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# Analysis of Interference to Affected Station 10

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
13	KCOP-TV	LOS ANGELES CA	BMPCDT	-20080319ACJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
13	KSWT-DR	YUMA AZ	326.5	APP	BPRM	-20080715AFH
13	KSWT	YUMA AZ	326.5	PLN	DTVPLN	-DTVP0416
13	KSWT	YUMA AZ	326.5	CP MOD	BMPCDT	-20090604AAL
13	KSWT	YUMA AZ	326.5	APP	BPCDT	-20090728ADT
13	KCBA	SALINAS CA	419.5	LIC	BLCDT	-20030707ACL
13	KCBA	SALINAS CA	419.5	PLN	DTVPLN	-DTVP0418
13	KTNV-TV	LAS VEGAS NV	334.8	CP MOD	BMPCDT	-20080609ABH
13	KTNV	LAS VEGAS NV	334.8	PLN	DTVPLN	-DTVP0454
12	K20IU	BIG BEAR LAKE CA	88.6	APP	USERRECORD-01	

Proposal causes no interference

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