

**FIGURE 3 (10 Pages)**

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-06-2009 Time: 14:37:09

Record Selected for Analysis

K26GN USERRECORD-01 MT. WILSON CA US  
Channel 40 ERP 9.99 kW HAAT 894. m RCAMSL 01781 m **FULL SERVICE MASK**  
Latitude 034-13-35 Longitude 0118-03-58  
Status APP Zone 1 Border  
Dir Antenna Make usr Model SBP\_UPC 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)	51.0 dBu F(50,90) (km)
0.0	2.350	373.1	49.0
45.0	0.002	357.9	10.9
90.0	0.000	604.8	1.8
135.0	0.000	1358.7	6.9
180.0	2.350	1482.2	68.5
225.0	9.762	1438.3	79.8
270.0	9.970	977.6	72.3
315.0	9.762	561.9	63.5

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 = 207.4km

Proposed station is OK toward AM broadcast stations

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# Analysis of Interference to Affected Station 27

## Analysis of current record

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

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	KPXN-TV	SAN BERNARDINO CA	0.1	LIC	BLCDT	-20050623AAG
38	KPXN	SAN BERNARDINO CA	0.1	PLN	DTVPLN	-DTVP1356
40	KNSD	SAN DIEGO CA	198.3	CP MOD	BMPCDT	-20041029AHV
40	KNSD	SAN DIEGO CA	198.3	PLN	DTVPLN	-DTVP1425
40	KNSD	SAN DIEGO CA	198.3	LIC	BLCDT	-20040805AAL
40	K26GN	MT. WILSON CA	1.5	APP	USERRECORD-01	

Total scenarios = 12

Result key: 7

Scenario 1 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 1

38A CA SAN BERNARDINO	BLCDT	20050623AAG	LIC
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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 1

38A CA SAN BERNARDINO	BLCDT	20050623AAG	LIC
40A CA SAN DIEGO	BMPCDT	20041029AHV	CP
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 8

Scenario 2 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 2

38A CA SAN BERNARDINO BLCDT 20050623AAG LIC

40A CA SAN DIEGO DTVPLN DTVP1425 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 2

38A CA SAN BERNARDINO BLCDT 20050623AAG LIC

40A CA SAN DIEGO DTVPLN DTVP1425 PLN

40A CA MT. WILSON USERRECORD01 APP

Percent new IX = 0.3116%

Result key: 9

Scenario 3 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 3

38A CA SAN BERNARDINO	BLCDT	20050623AAG	LIC
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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 3

38A CA SAN BERNARDINO	BLCDT	20050623AAG	LIC
40A CA SAN DIEGO	BLCDT	20040805AAL	LIC
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 10

Scenario 4 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 4

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 4

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	BMPCDT	20041029AHV	CP
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 11  
 Scenario 5 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 5

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	DTVPLN	DTVP1425	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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 5

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	DTVPLN	DTVP1425	PLN
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 12  
 Scenario 6 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0

lost to all IX 6241 70.0

Potential Interfering Stations Included in above Scenario 6

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 6

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	BLCDT	20040805AAL	LIC
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 13

Scenario 7 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 7

38A CA SAN BERNARDINO	BLCDT	20050623AAG	LIC
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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 7

38A CA SAN BERNARDINO	BLCDDT	20050623AAG	LIC
40A CA SAN DIEGO	BMPCDDT	20041029AHV	CP
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 14

Scenario 8 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 8

38A CA SAN BERNARDINO	BLCDDT	20050623AAG	LIC
40A CA SAN DIEGO	DTVPLN	DTVP1425	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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 8

38A CA SAN BERNARDINO	BLCDDT	20050623AAG	LIC
40A CA SAN DIEGO	DTVPLN	DTVP1425	PLN
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 15

Scenario 9 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0

lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 9

38A CA SAN BERNARDINO	BLCDT	20050623AAG	LIC
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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 9

38A CA SAN BERNARDINO	BLCDT	20050623AAG	LIC
40A CA SAN DIEGO	BLCDT	20040805AAL	LIC
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 16  
Scenario 10 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 10

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0



lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 10

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	BMPCDT	20041029AHV	CP
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 17

Scenario 11 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 11

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	DTVPLN	DTVP1425	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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 11

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	DTVPLN	DTVP1425	PLN
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Result key: 18

Scenario 12 Affected station 27 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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6241	70.0
lost to ATV IX only	6241	70.0
lost to all IX	6241	70.0

Potential Interfering Stations Included in above Scenario 12

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	BLCDDT	20040805AAL	LIC

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	15417303	29083.8
not affected by terrain losses	14156211	22021.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50333	155.8
lost to ATV IX only	50333	155.8
lost to all IX	50333	155.8

Potential Interfering Stations Included in above Scenario 12

38A CA SAN BERNARDINO	DTVPLN	DTVP1356	PLN
40A CA SAN DIEGO	BLCDDT	20040805AAL	LIC
40A CA MT. WILSON	USERRECORD01		APP

Percent new IX = 0.3116%

Worst case new IX 0.3116% Scenario 1

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