

**Station KNTV-DT • DTV Channel 12 • San Jose, California**

**OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T**

**Comments Regarding the Attached Interference Study Results**

The attached interference study results for the proposed KNTV-DT facilities at San Bruno Mountain are based on the tv\_process software used by the FCC. A terrain extraction of 10 points per kilometer rather than 1 point per kilometer is used, and this higher resolution terrain extraction is requested for any independent study that FCC staff might run.

The study shows greater than “*de minimis*” interference to the licensed KNTV, NTSC Channel 11, facilities at Loma Prieta Mountain (where KNTV-DT is also presently located). However, this interference would disappear if KNTV is also relocated to San Bruno Mountain, as is requested in a concurrently filed application for that station.

The interference study also shows greater than “*de minimis*” interference to the KNTV-DT allotment. However, this is only because DTV allotments are “anchored” to their original coordinates, even when the DTV facilities are relocated, as is proposed here. Therefore, the “interference” by the proposed KNTV-DT at San Bruno Mountain facilities to the KNTV-DT allotment, still at Loma Prieta Mountain, is an artifact, and would not actually exist. It is not believed that this “self-interference” situation is a violation of Section 73.623(a) of the FCC Rules, but, if deemed so by Commission Staff, then a waiver of Section 73.623(a) of the FCC Rules is hereby requested.

It should be noted that the tv\_process program incorrectly states that the proposed facilities do not meet the maximum/height power limits. This is because tv\_process did not truncate the 225°T and 270°T radials where they encounter the Pacific Ocean, as required by Section 73.684(d) of the FCC Rules. When these two radials are properly truncated, the HAAT decreases from the 400 meters incorrectly obtained by tv\_process to 376.6 meters, for which an ERP of 103.1 kW is permissible.

Finally, it should be noted that the proposed operation fully protects co-channel Station KHSL-TV, NTSC Channel 12, Chico, California, and also fully protects adjacent-channel TV Station KOVR, NTSC Channel 13, Stockton, California.



Station KNTV-DT • DTV Channel 12 • San Jose, California

OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-01-2003 Time: 13:24:42

Record Selected for Analysis

KNTV-DT USERRECORD-01 SAN JOSE CA US  
Channel 12 ERP 103.1 kW HAAT 400. m RCAMSL 00443 m  
Latitude 037-41-07 Longitude 0122-26-01  
Status APP Zone 2 Border  
Dir Antenna Make usr Model C150SP Beam tilt N Ref Azimuth 0.001  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 0.10 km

Facility does not meet maximum height/power limits  
Channel 12 ERP = 103.10 HAAT = 400.

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	32.797	388.8	108.8
45.0	21.297	431.4	108.5
90.0	44.637	443.0	116.6
135.0	102.629	436.1	124.4
180.0	76.964	251.0	106.3
225.0	77.947	409.3	118.6
270.0	82.032	426.2	121.0
315.0	98.917	417.5	122.0



Station KNTV-DT • DTV Channel 12 • San Jose, California

OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

KNTV-DT 12 SAN JOSE

CA USERRECORD01

and station

SHORT TO: KNTV 11 SAN JOSE CA BLCT 20000515ADF  
037-06-40 0121-50-34  
Req. separation => 11.0 <= 125.0 Actual separation 82.4 Short 42.6( 71.4) km

SHORT TO: KHSL-TV 12 CHICO CA BLCT 1812  
039-57-30 0121-42-48  
Req. separation 273.6 Actual separation 260.0 Short 13.6 km

SHORT TO: KNTV 12 SAN JOSE CA BLCDT 19991214ABZ  
037-06-40 0121-50-34  
Req. separation 273.6 Actual separation 82.4 Short 191.2 km

SHORT TO: KNTV-DT 12 SAN JOSE CA DTVPLN DTVP0095  
37-06-40 121-50-34  
Req. separation 273.6 Actual separation 82.4 Short 191.2 km

SHORT TO: KOVR 13 STOCKTON CA BLCT 20010928ACU  
038-14-24 0121-30- 3  
Req. separation => 11.0 <= 125.0 Actual separation 102.5 Short 22.5( 91.5) km

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

\*\*\*\*\*



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
12	KNTV-DT	SAN JOSE CA	USERRECORD01

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	KNTV	SAN JOSE CA	82.4	LIC	BLCT	-20000515ADF
12	KHSL-TV	CHICO CA	260.2	LIC	BLCT	-1812
12	K12OZ	FRESNO CA	260.7	LIC	BLTVL	-19980903JC
12	KCOY-TV	SANTA MARIA CA	368.3	LIC	BLCT	-2301
13	KCBA	SALINAS CA	132.2	CP MOD	BMPCDT	-20021101AAD
13	KCBA-DT	SALINAS CA	132.2	PLN	DTVPLN	-DTVP0110
13	KOVR	STOCKTON CA	102.4	LIC	BLCT	-20010928ACU

%%%

### Analysis of Interference to Affected Station 1

#### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
11	KNTV	SAN JOSE CA	DTVPLN	-NPLN0701

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KXTV	SACRAMENTO CA	129.0	PLN	DTVPLN	-NPLN0640
11	KRXI	RENO NV	322.2	PLN	DTVPLN	-NPLN0730
12	KNTV-DT	SAN JOSE CA	0.0	PLN	DTVPLN	-DTVP0095

Results for: 11N CA SAN JOSE	DTVPLN	NPLN0701	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6526181	40376.0	
not affected by terrain losses	5019721	30568.1	
lost to NTSC IX	54916	560.2	
lost to additional IX by ATV	0	0.0	
lost to all IX	54916	560.2	

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	KNTV	SAN JOSE CA	BLCT	-20000515ADF

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KXTV	SACRAMENTO CA	129.0	LIC	BLCT	-20001024ABG
10	KSBW	SALINAS CA	49.7	LIC	BLCDT	-20030221ABJ
10	KSBW	SALINAS CA	49.7	LIC	BPRM	-20000328AAU
11	KRXI-TV	RENO NV	322.1	LIC	BLCT	-19961004KI



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

12	KNTV	SAN JOSE CA	0.0	LIC	BLCDDT	-19991214ABZ
12	KNTV-DT	SAN JOSE CA	0.0	PLN	DTVPLN	-DTVP0095
12	KNTV-DT	SAN JOSE CA	82.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1  
Scenario 1 Affected station 1  
Before Analysis

Results for: 11N CA SAN JOSE	BLCT	20000515ADF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6861557	47150.5	
not affected by terrain losses	5441380	36994.5	
lost to NTSC IX	174683	1252.5	
lost to additional IX by ATV	1164	152.1	
lost to all IX	175847	1404.6	

Potential Interfering Stations Included in above Scenario 1

10N CA SACRAMENTO	BLCT	20001024ABG	LIC
11N NV RENO	BLCT	19961004KI	LIC
10A CA SALINAS	BLCDDT	20030221ABJ	LIC

After Analysis

Results for: 11N CA SAN JOSE	BLCT	20000515ADF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6861557	47150.5	
not affected by terrain losses	5441380	36994.5	
lost to NTSC IX	174683	1252.5	
lost to additional IX by ATV	176534	1604.6	
lost to all IX	351217	2857.1	

Potential Interfering Stations Included in above Scenario 1

10N CA SACRAMENTO	BLCT	20001024ABG	LIC
11N NV RENO	BLCT	19961004KI	LIC
10A CA SALINAS	BLCDDT	20030221ABJ	LIC
12A CA SAN JOSE	USERRECORD01	APP	

The following station failed the de minimis interference criteria.

12D CA SAN JOSE USERRECORD01  
ERP 103.10 kW HAAT 400.0 m RCAMSL 443.0 m  
Antenna usr C150SP

Due to interference to the following station and scenario: 1

11N CA SAN JOSE BLCT 20000515ADF  
ERP 182.00 kW HAAT 844.0 m RCAMSL 1235.0 m  
Antenna CDB 9999999999999999

Percent new DTV interference without proposal:	0.0	BLCT	20000515ADF
Percent new DTV interference with proposal:	2.6	BLCT	20000515ADF



**Station KNTV-DT • DTV Channel 12 • San Jose, California**

**OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T**

Result key: 2  
Scenario 2 Affected station 1  
Before Analysis

Results for: 11N CA SAN JOSE	BLCT	20000515ADF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6861557	47150.5	
not affected by terrain losses	5441380	36994.5	
lost to NTSC IX	174683	1252.5	
lost to additional IX by ATV	1126	112.0	
lost to all IX	175809	1364.5	

Potential Interfering Stations Included in above Scenario 2

10N CA SACRAMENTO	BLCT	20001024ABG	LIC
11N NV RENO	BLCT	19961004KI	LIC
10A CA SALINAS	BPRM	20000328AAU	LIC

After Analysis

Results for: 11N CA SAN JOSE	BLCT	20000515ADF	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6861557	47150.5	
not affected by terrain losses	5441380	36994.5	
lost to NTSC IX	174683	1252.5	
lost to additional IX by ATV	176496	1564.6	
lost to all IX	351179	2817.1	

Potential Interfering Stations Included in above Scenario 2

10N CA SACRAMENTO	BLCT	20001024ABG	LIC
11N NV RENO	BLCT	19961004KI	LIC
10A CA SALINAS	BPRM	20000328AAU	LIC
12A CA SAN JOSE	USERRECORD01		APP

The following station failed the de minimis interference criteria.

12D CA SAN JOSE USERRECORD01  
ERP 103.10 kW HAAT 400.0 m RCAMSL 443.0 m  
Antenna usr C150SP

Due to interference to the following station and scenario: 2

11N CA SAN JOSE BLCT 20000515ADF  
ERP 182.00 kW HAAT 844.0 m RCAMSL 1235.0 m  
Antenna CDB 9999999999999999

Percent new DTV interference without proposal:	0.0	BLCT	20000515ADF
Percent new DTV interference with proposal:	2.6	BLCT	20000515ADF

#####



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

Analysis of Interference to Affected Station 2

### NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
12	KHSLTV	CHICO CA	DTVPLN -NPLN0754

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KEET-DT	EUREKA CA	209.5	PLN	DTVPLN -DTVP0080
11	KRXI	RENO NV	157.9	PLN	DTVPLN -NPLN0730
12	KNTV-DT	SAN JOSE CA	316.7	PLN	DTVPLN -DTVP0095
12	KWNV-DT	WINNEMUCCA NV	353.6	PLN	DTVPLN -DTVP0105
12	KDRV	MEDFORD OR	329.2	PLN	DTVPLN -NPLN0789
13	KEET	EUREKA CA	209.5	PLN	DTVPLN -NPLN0817
13	KOVR	STOCKTON CA	191.9	PLN	DTVPLN -NPLN0819

Results for: 12N CA CHICO	DTVPLN	NPLN0754	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	597039	34093.9	
not affected by terrain losses	571208	30016.1	
lost to NTSC IX	7517	215.9	
lost to additional IX by ATV	4613	88.0	
lost to all IX	12130	303.8	

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	KHSL-TV	CHICO CA	BLCT -1812

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KEET	EUREKA CA	209.5	CP	BPEDT -20000424AAB
11	KEET-DT	EUREKA CA	209.5	PLN	DTVPLN -DTVP0080
11	KRXI-TV	RENO NV	158.0	LIC	BLCT -19961004KI
12	KNTV	SAN JOSE CA	316.7	LIC	BLCDT -19991214ABZ
12	KNTV-DT	SAN JOSE CA	316.7	PLN	DTVPLN -DTVP0095
12	KWNV-DT	WINNEMUCCA NV	353.6	PLN	DTVPLN -DTVP0105
12	KDRV	MEDFORD OR	329.2	LIC	BLCT -19840307KG
13	KEET	EUREKA CA	209.5	CP	BPET -20010820AAU
13	KOVR	STOCKTON CA	191.9	LIC	BLCT -20010928ACU
13	KTVN	RENO NV	172.3	LIC	BPRM -20000328ABH
13	KTVN	RENO NV	172.1	LIC	BLCDT -20030212AAS
12	KNTV-DT	SAN JOSE CA	260.2	APP	USERRECORD-01

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 2  
Before Analysis

Results for: 12N CA CHICO	BLCT	1812	LIC
---------------------------	------	------	-----



**HAMMETT & EDISON, INC.**  
CONSULTING ENGINEERS  
SAN FRANCISCO

030918  
Exhibit 41, Page 7

**Station KNTV-DT • DTV Channel 12 • San Jose, California**

**OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T**

	POPULATION	AREA (sq km)
within Noise Limited Contour	597039	34093.9
not affected by terrain losses	571208	30016.1
lost to NTSC IX	7517	215.9
lost to additional IX by ATV	4613	88.0
lost to all IX	12130	303.8

Potential Interfering Stations Included in above Scenario 1

12N OR MEDFORD	BLCT	19840307KG	LIC
13N CA STOCKTON	BLCT	20010928ACU	LIC
12A CA SAN JOSE	DTVPLN	DTVP0095	PLN

**After Analysis**

Results for: 12N CA CHICO

	POPULATION	AREA (sq km)	
within Noise Limited Contour	597039	34093.9	
not affected by terrain losses	571208	30016.1	
lost to NTSC IX	7517	215.9	
lost to additional IX by ATV	8817	383.8	
lost to all IX	16334	599.7	

Potential Interfering Stations Included in above Scenario 1

12N OR MEDFORD	BLCT	19840307KG	LIC
13N CA STOCKTON	BLCT	20010928ACU	LIC
12A CA SAN JOSE	USERRECORD01		APP

#####





Station KNTV-DT • DTV Channel 12 • San Jose, California

OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
12	K12OZ	FRESNO CA	BLTVL	-19980903JC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	KHSL-TV	CHICO CA	381.8	LIC	BLCT	-1812
12	KNTV	SAN JOSE CA	196.4	LIC	BLCDT	-19991214ABZ
12	KNTV-DT	SAN JOSE CA	196.4	PLN	DTVPLN	-DTVP0095
12	KCOY-TV	SANTA MARIA CA	229.8	LIC	BLCT	-2301
12	K12IT	SMITH NV	199.2	LIC	BLTTV	-4168
13	KCWB-LP	REEDLEY CA	37.9	LIC	BLTVL	-20011003AAH
12	KNTV-DT	SAN JOSE CA	260.7	APP	USERRECORD-01	

Proposal causes no interference

#####



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

Analysis of Interference to Affected Station 4

### NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
12	KCOYTV	SANTA MARIA CA	DTVPLN -NPLN0755

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KTTV	LOS ANGELES CA	208.7	PLN	DTVPLN -NPLN0700
12	KNTV-DT	SAN JOSE CA	286.4	PLN	DTVPLN -DTVP0095
13	KCOPTV	LOS ANGELES CA	208.2	PLN	DTVPLN -NPLN0818

Results for: 12N CA SANTA MARIA	DTVPLN	NPLN0755	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	633130	35990.7	
not affected by terrain losses	353680	25545.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	311	84.3	
lost to all IX	311	84.3	

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	KCOY-TV	SANTA MARIA CA	BLCT -2301

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KTTV	LOS ANGELES CA	208.7	LIC	BLCT -2252
11	881101KH	LOS ANGELES CA	208.7	APP	BPCT -19881101KH
12	KNTV	SAN JOSE CA	286.4	LIC	BLCDT -19991214ABZ
12	KNTV-DT	SAN JOSE CA	286.4	PLN	DTVPLN -DTVP0095
13	KCOP-TV	LOS ANGELES CA	208.2	LIC	BLCT -19800819KG
12	KNTV-DT	SAN JOSE CA	368.3	APP	USERRECORD-01

Total scenarios = 1

### Result key:

4  
Scenario 1 Affected station 4  
Before Analysis

Results for: 12N CA SANTA MARIA	BLCT	2301	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	633130	35990.7	
not affected by terrain losses	353680	25545.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	311	84.3	
lost to all IX	311	84.3	

Potential Interfering Stations Included in above Scenario 1

12A CA SAN JOSE	DTVPLN	DTVP0095	PLN
-----------------	--------	----------	-----



Station KNTV-DT • DTV Channel 12 • San Jose, California

OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T

After Analysis

Results for: 12N CA SANTA MARIA	BLCT	2301	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	633130	35990.7	
not affected by terrain losses	353680	25545.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	172	40.2	
lost to all IX	172	40.2	

Potential Interfering Stations Included in above Scenario 1

12A CA SAN JOSE USERRECORD01 APP

#####



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

Analysis of Interference to Affected Station 5

### DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
13	KCBA-DT	SALINAS CA	DTVPLN -DTVP0110

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
12	KNTV-DT	SAN JOSE CA	49.8	PLN	DTVPLN -DTVP0095
13	KCOPTV	LOS ANGELES CA	418.9	PLN	DTVPLN -NPLN0818
13	KOVR	STOCKTON CA	164.9	PLN	DTVPLN -NPLN0819

Results for: 13A CA SALINAS DTVPLN DTVP0110 PLN  
HAAT 735.0 m, ATV ERP 3.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1922732	26107.6
not affected by terrain losses	903238	19207.1
lost to NTSC IX	135100	221.6
lost to additional IX by ATV	19281	229.6
lost to ATV IX only	152667	286.0
lost to all IX	154381	451.2

### NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
35	KCBA	SALINAS CA	DTVPLN -NPLN1490

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	KTSF-DT	SAN FRANCISCO CA	132.3	PLN	DTVPLN -DTVP0665
31	KSMS-DT	MONTEREY CA	0.0	PLN	DTVPLN -DTVP0814
32	KION-DT	MONTEREY CA	26.8	PLN	DTVPLN -DTVP0855
32	KMTPTV	SAN FRANCISCO CA	139.3	PLN	DTVPLN -NPLN1421
33	KMTP-DT	SAN FRANCISCO CA	139.3	PLN	DTVPLN -DTVP0893
34	KADE-DT	SAN LUIS OBISPO CA	172.7	PLN	DTVPLN -DTVP0926
34	KPST-DT	VALLEJO CA	139.3	PLN	DTVPLN -DTVP0927
35	KCRA-DT	SACRAMENTO CA	167.7	PLN	DTVPLN -DTVP0965
36	KICUTV	SAN JOSE CA	87.6	PLN	DTVPLN -NPLN1514
36	KMSG-DT	SANGER CA	187.3	PLN	DTVPLN -DTVP1005
38	KCNS	SAN FRANCISCO CA	139.3	PLN	DTVPLN -NPLN1536
39	KCNS-DT	SAN FRANCISCO CA	139.3	PLN	DTVPLN -DTVP1080
42	KTNCTV	CONCORD CA	131.1	PLN	DTVPLN -NPLN1617
43	KSBW-DT	SALINAS CA	41.5	PLN	DTVPLN -DTVP1219
49	KSTS-DT	SAN JOSE CA	87.1	PLN	DTVPLN -DTVP1411
50	KTEH-DT	SAN JOSE CA	87.2	PLN	DTVPLN -DTVP1440

Results for: 35N CA SALINAS DTVPLN NPLN1490 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1832322	24580.8
not affected by terrain losses	800020	17434.6
lost to NTSC IX	69758	60.4
lost to additional IX by ATV	7	80.6



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

lost to all IX 69765 141.0

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
13	KCBA	SALINAS CA	BMPCDT -20021101AAD

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
12	KNTV-DT	SAN JOSE CA	49.8	PLN	DTVPLN -DTVP0095
13	KCOP-TV	LOS ANGELES CA	418.9	LIC	BLCT -19800819KG
13	KOVR	STOCKTON CA	164.9	LIC	BLCT -20010928ACU
13	KTVN	RENO NV	317.5	LIC	BPRM -20000328ABH
13	KTVN	RENO NV	317.8	LIC	BLCDT -20030212AAS
12	KNTV-DT	SAN JOSE CA	132.2	APP	USERRECORD-01

Total scenarios = 2

Result key: 5  
Scenario 1 Affected station 5  
Before Analysis

Results for: 13A CA SALINAS BMPCDT 20021101AAD CP

HAAT 720.0 m, ATV ERP 19.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2611598	32342.7
not affected by terrain losses	1905306	24696.1
lost to NTSC IX	306059	556.0
lost to additional IX by ATV	700515	785.6
lost to ATV IX only	1004779	1063.6
lost to all IX	1006574	1341.6

Potential Interfering Stations Included in above Scenario 1

13N CA STOCKTON	BLCT	20010928ACU	LIC
13A NV RENO	BPRM	20000328ABH	LIC
12A CA SAN JOSE	DTVPLN	DTVP0095	PLN

### After Analysis

Results for: 13A CA SALINAS BMPCDT 20021101AAD CP

HAAT 720.0 m, ATV ERP 19.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2611598	32342.7
not affected by terrain losses	1905306	24696.1
lost to NTSC IX	306059	556.0
lost to additional IX by ATV	642846	519.7
lost to ATV IX only	931933	745.3
lost to all IX	948905	1075.7

Potential Interfering Stations Included in above Scenario 1

13N CA STOCKTON	BLCT	20010928ACU	LIC
-----------------	------	-------------	-----



Station KNTV-DT • DTV Channel 12 • San Jose, California

OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T

13A NV RENO BPRM 20000328ABH LIC  
12A CA SAN JOSE USERRECORD01 APP

Result key: 6  
Scenario 2 Affected station 5  
Before Analysis

Results for: 13A CA SALINAS BMPCDT 20021101AAD CP  
HAAT 720.0 m, ATV ERP 19.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2611598	32342.7
not affected by terrain losses	1905306	24696.1
lost to NTSC IX	306059	556.0
lost to additional IX by ATV	700515	785.6
lost to ATV IX only	1004659	1063.6
lost to all IX	1006574	1341.6

Potential Interfering Stations Included in above Scenario 2

13N CA STOCKTON BLCT 20010928ACU LIC  
13A NV RENO BLCDT 20030212AAS LIC  
12A CA SAN JOSE DTVPLN DTVP0095 PLN

After Analysis

Results for: 13A CA SALINAS BMPCDT 20021101AAD CP  
HAAT 720.0 m, ATV ERP 19.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2611598	32342.7
not affected by terrain losses	1905306	24696.1
lost to NTSC IX	306059	556.0
lost to additional IX by ATV	642846	519.7
lost to ATV IX only	940950	749.3
lost to all IX	948905	1075.7

Potential Interfering Stations Included in above Scenario 2

13N CA STOCKTON BLCT 20010928ACU LIC  
13A NV RENO BLCDT 20030212AAS LIC  
12A CA SAN JOSE USERRECORD01 APP

#####



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

Analysis of Interference to Affected Station 6

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
13	KCBA-DT	SALINAS CA	DTVPLN -DTVP0110

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
12	KNTV-DT	SAN JOSE CA	49.8	PLN	DTVPLN -DTVP0095
13	KCOP-TV	LOS ANGELES CA	418.9	LIC	BLCT -19800819KG
13	KOVR	STOCKTON CA	164.9	LIC	BLCT -20010928ACU
13	KTVN	RENO NV	317.5	LIC	BPRM -20000328ABH
13	KTVN	RENO NV	317.8	LIC	BLCDT -20030212AAS
12	KNTV-DT	SAN JOSE CA	132.2	APP	USERRECORD-01

Total scenarios = 2

Result key: 7  
Scenario 1 Affected station 6  
Before Analysis

Results for: 13A CA SALINAS DTVPLN DTVP0110 PLN  
HAAT 735.0 m, ATV ERP 3.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1922732	26107.6
not affected by terrain losses	903238	19207.1
lost to NTSC IX	135100	217.5
lost to additional IX by ATV	19281	229.6
lost to ATV IX only	152667	286.0
lost to all IX	154381	447.1

Potential Interfering Stations Included in above Scenario 1

13N CA STOCKTON	BLCT	20010928ACU	LIC
13A NV RENO	BPRM	20000328ABH	LIC
12A CA SAN JOSE	DTVPLN	DTVP0095	PLN

### After Analysis

Results for: 13A CA SALINAS DTVPLN DTVP0110 PLN  
HAAT 735.0 m, ATV ERP 3.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1922732	26107.6
not affected by terrain losses	903238	19207.1
lost to NTSC IX	135100	217.5
lost to additional IX by ATV	13401	12.1
lost to ATV IX only	146629	56.4
lost to all IX	148501	229.6

Potential Interfering Stations Included in above Scenario 1



Station KNTV-DT • DTV Channel 12 • San Jose, California

OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T

13N CA STOCKTON	BLCT	20010928ACU	LIC
13A NV RENO	BPRM	20000328ABH	LIC
12A CA SAN JOSE	USERRECORD01		APP

Result key: 8  
Scenario 2 Affected station 6  
Before Analysis

Results for: 13A CA SALINAS DTVPLN DTVP0110 PLN  
HAAT 735.0 m, ATV ERP 3.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1922732	26107.6
not affected by terrain losses	903238	19207.1
lost to NTSC IX	135100	217.5
lost to additional IX by ATV	19281	229.6
lost to ATV IX only	152667	286.0
lost to all IX	154381	447.1

Potential Interfering Stations Included in above Scenario 2

13N CA STOCKTON	BLCT	20010928ACU	LIC
13A NV RENO	BLCDT	20030212AAS	LIC
12A CA SAN JOSE	DTVPLN	DTVP0095	PLN

After Analysis

Results for: 13A CA SALINAS DTVPLN DTVP0110 PLN  
HAAT 735.0 m, ATV ERP 3.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1922732	26107.6
not affected by terrain losses	903238	19207.1
lost to NTSC IX	135100	217.5
lost to additional IX by ATV	13401	12.1
lost to ATV IX only	146629	56.4
lost to all IX	148501	229.6

Potential Interfering Stations Included in above Scenario 2

13N CA STOCKTON	BLCT	20010928ACU	LIC
13A NV RENO	BLCDT	20030212AAS	LIC
12A CA SAN JOSE	USERRECORD01		APP

#####





# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

Analysis of Interference to Affected Station 7

### NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
13	KOVR	STOCKTON CA	DTVPLN -NPLN0819

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
12	KHSLTV	CHICO CA	191.9	PLN	DTVPLN -NPLN0754
12	KNTV-DT	SAN JOSE CA	129.0	PLN	DTVPLN -DTVP0095
13	KEET	EUREKA CA	348.3	PLN	DTVPLN -NPLN0817
13	KCBA-DT	SALINAS CA	164.9	PLN	DTVPLN -DTVP0110

Results for: 13N CA STOCKTON DTVPLN NPLN0819 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	8477539	44795.4
not affected by terrain losses	4525152	37735.9
lost to NTSC IX	104499	1133.4
lost to additional IX by ATV	32863	638.5
lost to all IX	137362	1771.9

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
13	KOVR	STOCKTON CA	BLCT -20010928ACU

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
12	KHSL-TV	CHICO CA	191.9	LIC	BLCT -1812
12	KNTV	SAN JOSE CA	129.0	LIC	BLCDT -19991214ABZ
12	KNTV-DT	SAN JOSE CA	129.0	PLN	DTVPLN -DTVP0095
13	KEET	EUREKA CA	348.3	CP	BPET -20010820AAU
13	KCBA	SALINAS CA	164.9	CP MOD	BMPCDT -20021101AAD
13	KCBA-DT	SALINAS CA	164.9	PLN	DTVPLN -DTVP0110
13	KTVN	RENO NV	184.0	LIC	BPRM -20000328ABH
13	KTVN	RENO NV	184.2	LIC	BLCDT -20030212AAS
12	KNTV-DT	SAN JOSE CA	102.4	APP	USERRECORD-01

Total scenarios = 4

Result key: 9  
Scenario 1 Affected station 7  
Before Analysis

Results for: 13N CA STOCKTON BLCT 20010928ACU LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	8501509	45533.7
not affected by terrain losses	4513343	38278.6
lost to NTSC IX	105038	1177.3
lost to additional IX by ATV	140711	1568.3
lost to all IX	245749	2745.6



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

Potential Interfering Stations Included in above Scenario 1

12N CA CHICO	BLCT	1812	LIC
13A CA SALINAS	BMPCDT	20021101AAD	CP
13A NV RENO	BPRM	20000328ABH	LIC
12A CA SAN JOSE	DTVPLN	DTVP0095	PLN

After Analysis

Results for: 13N CA STOCKTON	BLCT	20010928ACU	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8501509	45533.7	
not affected by terrain losses	4513343	38278.6	
lost to NTSC IX	105038	1177.3	
lost to additional IX by ATV	222945	1923.5	
lost to all IX	327983	3100.8	

Potential Interfering Stations Included in above Scenario 1

12N CA CHICO	BLCT	1812	LIC
13A CA SALINAS	BMPCDT	20021101AAD	CP
13A NV RENO	BPRM	20000328ABH	LIC
12A CA SAN JOSE	USERRECORD01		APP

Result key: 10  
Scenario 2 Affected station 7  
Before Analysis

Results for: 13N CA STOCKTON	BLCT	20010928ACU	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8501509	45533.7	
not affected by terrain losses	4513343	38278.6	
lost to NTSC IX	105038	1177.3	
lost to additional IX by ATV	144964	1428.7	
lost to all IX	250002	2605.9	

Potential Interfering Stations Included in above Scenario 2

12N CA CHICO	BLCT	1812	LIC
13A CA SALINAS	BMPCDT	20021101AAD	CP
13A NV RENO	BLCDT	20030212AAS	LIC
12A CA SAN JOSE	DTVPLN	DTVP0095	PLN

After Analysis

Results for: 13N CA STOCKTON	BLCT	20010928ACU	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8501509	45533.7	
not affected by terrain losses	4513343	38278.6	
lost to NTSC IX	105038	1177.3	
lost to additional IX by ATV	227080	1779.8	
lost to all IX	332118	2957.1	



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

Potential Interfering Stations Included in above Scenario 2

12N CA CHICO	BLCT	1812	LIC
13A CA SALINAS	BMPCDT	20021101AAD	CP
13A NV RENO	BLCDT	20030212AAS	LIC
12A CA SAN JOSE	USERRECORD01		APP

Result key: 11  
Scenario 3 Affected station 7  
Before Analysis

Results for: 13N CA STOCKTON	BLCT	20010928ACU	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8501509	45533.7	
not affected by terrain losses	4513343	38278.6	
lost to NTSC IX	105038	1177.3	
lost to additional IX by ATV	80656	1125.4	
lost to all IX	185694	2302.6	

Potential Interfering Stations Included in above Scenario 3

12N CA CHICO	BLCT	1812	LIC
13A CA SALINAS	DTVPLN	DTVP0110	PLN
13A NV RENO	BPRM	20000328ABH	LIC
12A CA SAN JOSE	DTVPLN	DTVP0095	PLN

After Analysis

Results for: 13N CA STOCKTON	BLCT	20010928ACU	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8501509	45533.7	
not affected by terrain losses	4513343	38278.6	
lost to NTSC IX	105038	1177.3	
lost to additional IX by ATV	191687	1540.4	
lost to all IX	296725	2717.7	

Potential Interfering Stations Included in above Scenario 3

12N CA CHICO	BLCT	1812	LIC
13A CA SALINAS	DTVPLN	DTVP0110	PLN
13A NV RENO	BPRM	20000328ABH	LIC
12A CA SAN JOSE	USERRECORD01		APP

Result key: 12  
Scenario 4 Affected station 7  
Before Analysis

Results for: 13N CA STOCKTON	BLCT	20010928ACU	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8501509	45533.7	
not affected by terrain losses	4513343	38278.6	
lost to NTSC IX	105038	1177.3	
lost to additional IX by ATV	85909	1005.7	
lost to all IX	190947	2182.9	



**Station KNTV-DT • DTV Channel 12 • San Jose, California**

**OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T**

Potential Interfering Stations Included in above Scenario 4

12N CA CHICO	BLCT	1812	LIC
13A CA SALINAS	DTVPLN	DTVP0110	PLN
13A NV RENO	BLCDT	20030212AAS	LIC
12A CA SAN JOSE	DTVPLN	DTVP0095	PLN

After Analysis

Results for: 13N CA STOCKTON	BLCT	20010928ACU	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	8501509	45533.7	
not affected by terrain losses	4513343	38278.6	
lost to NTSC IX	105038	1177.3	
lost to additional IX by ATV	195874	1400.7	
lost to all IX	300912	2578.0	

Potential Interfering Stations Included in above Scenario 4

12N CA CHICO	BLCT	1812	LIC
13A CA SALINAS	DTVPLN	DTVP0110	PLN
13A NV RENO	BLCDT	20030212AAS	LIC
12A CA SAN JOSE	USERRECORD01		APP

#####



# Station KNTV-DT • DTV Channel 12 • San Jose, California

## OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain 103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT C150SP Azimuth Pattern at 220°T

Analysis of Interference to Affected Station 8

### DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
12	KNTV-DT	SAN JOSE CA	DTVPLN -DTVP0095

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KNTV	SAN JOSE CA	0.0	PLN	DTVPLN -NPLN0701
12	KHSLTV	CHICO CA	316.7	PLN	DTVPLN -NPLN0754
12	KCOYTV	SANTA MARIA CA	286.4	PLN	DTVPLN -NPLN0755
13	KCBA-DT	SALINAS CA	49.8	PLN	DTVPLN -DTVP0110
13	KOVR	STOCKTON CA	129.0	PLN	DTVPLN -NPLN0819

Results for: 12A CA SAN JOSE DTVPLN DTVP0095 PLN

HAAT 844.0 m, ATV ERP 6.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6525697	40320.0
not affected by terrain losses	5516241	34057.5
lost to NTSC IX	337808	1880.7
lost to additional IX by ATV	650	92.0
lost to ATV IX only	650	92.0
lost to all IX	338458	1972.8

### NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
11	KNTV	SAN JOSE CA	DTVPLN -NPLN0701

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	KXTV	SACRAMENTO CA	129.0	PLN	DTVPLN -NPLN0640
11	KRXI	RENO NV	322.2	PLN	DTVPLN -NPLN0730
12	KNTV-DT	SAN JOSE CA	0.0	PLN	DTVPLN -DTVP0095

Results for: 11N CA SAN JOSE DTVPLN NPLN0701 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	6526181	40376.0
not affected by terrain losses	5019721	30568.1
lost to NTSC IX	54916	560.2
lost to additional IX by ATV	0	0.0
lost to all IX	54916	560.2

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
12	KNTV-DT	SAN JOSE CA	USERRECORD-01

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KNTV	SAN JOSE CA	82.4	LIC	BLCT -20000515ADF
12	KHSL-TV	CHICO CA	260.2	LIC	BLCT -1812
12	KCOY-TV	SANTA MARIA CA	368.3	LIC	BLCT -2301



Station KNTV-DT • DTV Channel 12 • San Jose, California

OET-69 Interference Study Results for KNTV-DT at San Bruno Mountain  
103.1 kW (DA), C.O.R. = 62.2 m AGL, 443.5 m AMSL, 376.6 m HAAT  
C150SP Azimuth Pattern at 220°T

13	KCBA	SALINAS CA	132.2	CP MOD	BMPCDT	-20021101AAD
13	KCBA-DT	SALINAS CA	132.2	PLN	DTVPLN	-DTVP0110
13	KOVR	STOCKTON CA	102.4	LIC	BLCT	-20010928ACU

Total scenarios = 2

Result key: 13  
Scenario 1 Affected station 8  
Before Analysis

Results for: 12A CA SAN JOSE USERRECORD01 APP  
HAAT 400.0 m, ATV ERP 103.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6665556	41970.5
not affected by terrain losses	5912175	36788.5
lost to NTSC IX	163027	2203.0
lost to additional IX by ATV	0	205.0
lost to ATV IX only	8044	434.2
lost to all IX	163027	2408.1

Potential Interfering Stations Included in above Scenario 1

11N CA SAN JOSE	BLCT	20000515ADF	LIC
12N CA CHICO	BLCT	1812	LIC
12N CA SANTA MARIA	BLCT	2301	LIC
13N CA STOCKTON	BLCT	20010928ACU	LIC
13A CA SALINAS	BMPCDT	20021101AAD	CP

Result key: 14  
Scenario 2 Affected station 8  
Before Analysis

Results for: 12A CA SAN JOSE USERRECORD01 APP  
HAAT 400.0 m, ATV ERP 103.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6665556	41970.5
not affected by terrain losses	5912175	36788.5
lost to NTSC IX	163027	2203.0
lost to additional IX by ATV	0	20.1
lost to ATV IX only	4157	201.0
lost to all IX	163027	2223.1

Potential Interfering Stations Included in above Scenario 2

11N CA SAN JOSE	BLCT	20000515ADF	LIC
12N CA CHICO	BLCT	1812	LIC
12N CA SANTA MARIA	BLCT	2301	LIC
13N CA STOCKTON	BLCT	20010928ACU	LIC
13A CA SALINAS	DTVPLN	DTVP0110	PLN

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

