

KEYCY-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

TW Census data selected 2000

Post Transition Data Base Selected /export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-17-2009

Record Selected for Analysis

KEYCYDT USERRECORD-01 EL CENTRO CA US
Channel 09 ERP 50. kW HAAT 478. m RCAMSL 00762 m
Latitude 033-03-19 Longitude 0114-49-44
Status APP Zone 2 Border
Dir Antenna Make CDB Model 0000000086756 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	50.000	397.0	113.2
45.0	50.000	452.3	118.5
90.0	50.000	586.0	127.6
135.0	50.000	470.4	119.8
180.0	50.000	520.8	122.6
225.0	50.000	550.2	124.6
270.0	50.000	493.8	121.1
315.0	50.000	352.2	109.5

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

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 = 38.1km

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

KEYC-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Channel	Proposed Station Call	City/State	ARN
09	KEYCDT	EL CENTRO CA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KFMB-TV	SAN DIEGO CA	227.0	CP	BPCDT	-20080317ABU
08	KFMB-TV	SAN DIEGO CA	227.0	PLN	DTVPLN	-DTVP0116
09	KGUN	TUCSON AZ	391.0	PLN	DTVPLN	-DTVP0181
09	KCAL-TV	LOS ANGELES CA	326.7	PLN	DTVPLN	-DTVP0183
09	KVVU-TV	HENDERSON NV	328.5	PLN	DTVPLN	-DTVP0211
09	KCFG-DR	FLAGSTAFF AZ	343.1	APP	BPRM	-20080620AOF
09	KGUN	TUCSON AZ	391.0	CP	BPCDT	-20080213AGK
09	KCAL-TV	LOS ANGELES CA	326.7	CP	BPCDT	-20080418AAE
09	KVVU-TV	HENDERSON NV	328.5	APP	BPCDT	-20080619AGH
09	KVVU-TV	HENDERSON NV	328.5	LIC	BLCDT	-20021120ABN
10	KGTV	SAN DIEGO CA	227.0	CP	BPCDT	-20080310AAX
10	KGTV	SAN DIEGO CA	227.0	PLN	DTVPLN	-DTVP0242

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KFMB-TV	SAN DIEGO CA	BPCDT	-20080317ABU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KABC-TV	LOS ANGELES CA	171.9	CP MOD	BMPCDT	-20080626AAL
07	KABC-TV	LOS ANGELES CA	171.9	PLN	DTVPLN	-DTVP0048
09	KEYC-TV	EL CENTRO CA	227.0	PLN	DTVPLN	-DTVP0182
09	KCAL-TV	LOS ANGELES CA	172.0	PLN	DTVPLN	-DTVP0183
09	KCAL-TV	LOS ANGELES CA	172.0	CP	BPCDT	-20080418AAE
09	KEYCDT	EL CENTRO CA	227.0	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KFMB-TV	SAN DIEGO CA	DTVPLN	-DTVP0116

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KABC-TV	LOS ANGELES CA	171.9	CP MOD	BMPCDT	-20080626AAL
07	KABC-TV	LOS ANGELES CA	171.9	PLN	DTVPLN	-DTVP0048
09	KEYC-TV	EL CENTRO CA	227.0	PLN	DTVPLN	-DTVP0182
09	KCAL-TV	LOS ANGELES CA	172.0	PLN	DTVPLN	-DTVP0183
09	KCAL-TV	LOS ANGELES CA	172.0	CP	BPCDT	-20080418AAE
09	KEYCDT	EL CENTRO CA	227.0	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

KECY-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KGUN	TUCSON AZ	DTVPLN	-DTVP0181

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KAET	PHOENIX AZ	162.0	CP	BPEDT	-20080612AAK
08	KAET	PHOENIX AZ	162.0	PLN	DTVPLN	-DTVP0113
09	KECY-TV	EL CENTRO CA	391.0	PLN	DTVPLN	-DTVP0182
09	KCFG-DR	FLAGSTAFF AZ	235.6	APP	BPRM	-20080620AOF
09	KTSM-TV	EL PASO TX	404.3	PLN	DTVPLN	-DTVP0222
09	KTSM-TV	EL PASO TX	404.3	CP	BPCDT	-20080619AEW
10	KSAZ-TV	PHOENIX AZ	161.9	CP	BPCDT	-20080417ABS
10	KSAZ-TV	PHOENIX AZ	161.9	PLN	DTVPLN	-DTVP0239
10	KSAZ-TV	PHOENIX AZ	161.9	APP	BMPCDT	-20080616AAM
09	KECYDT	EL CENTRO CA	391.0	APP	USERRECORD-01	

Total scenarios = 16

Result key: 10

Scenario 10 Affected station 3
Before Analysis

Results for:	9A AZ TUCSON	DTVPLN	DTVP0181	PLN
HAAT	1134.0 m, ATV ERP	9.2 kW		
	POPULATION	AREA (sq km)		
within Noise Limited Contour	1126260	47929.0		
not affected by terrain losses	1000899	39852.2		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	1543	193.4		
lost to ATV IX only	1543	193.4		
lost to all IX	1543	193.4		

Potential Interfering Stations Included in above Scenario 10

8A AZ PHOENIX	BPEDT	20080612AAK	CP
10A AZ PHOENIX	BMPCDT	20080616AAM	APP
9A CA EL CENTRO	DTVPLN	DTVP0182	PLN

After Analysis

Results for:	9A AZ TUCSON	DTVPLN	DTVP0181	PLN
HAAT	1134.0 m, ATV ERP	9.2 kW		
	POPULATION	AREA (sq km)		
within Noise Limited Contour	1126260	47929.0		
not affected by terrain losses	1000899	39852.2		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	2482	213.5		
lost to ATV IX only	2482	213.5		
lost to all IX	2482	213.5		

Potential Interfering Stations Included in above Scenario 10

8A AZ PHOENIX	BPEDT	20080612AAK	CP
10A AZ PHOENIX	BMPCDT	20080616AAM	APP
9A CA EL CENTRO	USERRECORD01		APP

Percent new IX = 0.0940%

KEYCY-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Worst case new IX 0.0940% Scenario 10

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KCAL-TV	LOS ANGELES CA	DTVPLN	-DTVP0183

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KFMB-TV	SAN DIEGO CA	172.0	CP	BPCDT	-20080317ABU
08	KFMB-TV	SAN DIEGO CA	172.0	PLN	DTVPLN	-DTVP0116
09	KEYCY-TV	EL CENTRO CA	326.7	PLN	DTVPLN	-DTVP0182
09	KVVU-TV	HENDERSON NV	341.4	PLN	DTVPLN	-DTVP0211
09	KVVU-TV	HENDERSON NV	341.4	APP	BPCDT	-20080619AGH
09	KVVU-TV	HENDERSON NV	341.4	LIC	BLCDT	-20021120ABN
10	KERO-TV	BAKERSFIELD CA	144.5	LIC	BMLCDT	-20030429AAS
10	KERO-TV	BAKERSFIELD CA	144.6	PLN	DTVPLN	-DTVP0240
10	KERO-TV	BAKERSFIELD CA	144.6	CP	BPCDT	-20080619AIN
10	KGTV	SAN DIEGO CA	171.9	CP	BPCDT	-20080310AAX
10	KGTV	SAN DIEGO CA	171.9	PLN	DTVPLN	-DTVP0242
09	KEYCYDT	EL CENTRO CA	326.7	APP	USERRECORD	-01

Total scenarios = 12

Result key: 25

Scenario 9 Affected station 4

Before Analysis

Results for: 9A CA LOS ANGELES DTVPLN DTVP0183 PLN

HAAT 951.0 m, ATV ERP 12.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	15969627	41676.6
not affected by terrain losses	15446164	34567.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9886	164.1
lost to ATV IX only	9886	164.1
lost to all IX	9886	164.1

Potential Interfering Stations Included in above Scenario 9

8A CA SAN DIEGO	BPCDT	20080317ABU	CP
9A NV HENDERSON	BPCDT	20080619AGH	APP
10A CA SAN DIEGO	BPCDT	20080310AAX	CP
9A CA EL CENTRO	DTVPLN	DTVP0182	PLN

After Analysis

Results for: 9A CA LOS ANGELES DTVPLN DTVP0183 PLN

HAAT 951.0 m, ATV ERP 12.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	15969627	41676.6
not affected by terrain losses	15446164	34567.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10087	192.1
lost to ATV IX only	10087	192.1
lost to all IX	10087	192.1

Potential Interfering Stations Included in above Scenario 9

KEYC-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

8A CA SAN DIEGO	BPCDT	20080317ABU	CP
9A NV HENDERSON	BPCDT	20080619AGH	APP
10A CA SAN DIEGO	BPCDT	20080310AAX	CP
9A CA EL CENTRO	USERRECORD01		APP

Percent new IX = 0.0013%

Worst case new IX 0.0013% Scenario 9

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KVVU-TV	HENDERSON NV	DTVPLN	-DTVP0211

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	KEYC-TV	EL CENTRO CA	328.5	PLN	DTVPLN	-DTVP0182
09	KCAL-TV	LOS ANGELES CA	341.4	PLN	DTVPLN	-DTVP0183
09	KBMO-TV	TONOPAH NV	300.6	PLN	DTVPLN	-DTVP0212
09	KCFG-DR	FLAGSTAFF AZ	363.1	APP	BPRM	-20080620AOF
09	KCAL-TV	LOS ANGELES CA	341.4	CP	BPCDT	-20080418AAE
09	KUSG	ST. GEORGE UT	173.7	LIC	BLCDT	-20021031ABG
09	KUSG	ST. GEORGE UT	173.7	PLN	DTVPLN	-DTVP0228
09	KEYCDT	EL CENTRO CA	328.5	APP	USERRECORD-01	

Total scenarios = 3

Result key: 29

Scenario 1 Affected station 5

Before Analysis

Results for: 9A NV HENDERSON DTVPLN DTVP0211 PLN

HAAT 385.0 m, ATV ERP 86.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1444672	43675.9
not affected by terrain losses	1363608	30018.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1224	176.2
lost to ATV IX only	1224	176.2
lost to all IX	1224	176.2

Potential Interfering Stations Included in above Scenario 1

9A NV TONOPAH	DTVPLN	DTVP0212	PLN
9A CA EL CENTRO	DTVPLN	DTVP0182	PLN

After Analysis

Results for: 9A NV HENDERSON DTVPLN DTVP0211 PLN

HAAT 385.0 m, ATV ERP 86.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1444672	43675.9
not affected by terrain losses	1363608	30018.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2033	320.4
lost to ATV IX only	2033	320.4
lost to all IX	2033	320.4

Potential Interfering Stations Included in above Scenario 1

KEYC-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

9A NV TONOPAH DTVPLN DTVP0212 PLN
9A CA EL CENTRO USERRECORD01 APP

Percent new IX = 0.0594%

Worst case new IX 0.0594% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KCFG-DR	FLAGSTAFF AZ	BPRM	-20080620AOF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KAET	PHOENIX AZ	132.4	CP	BPEDT	-20080612AAK
08	KAET	PHOENIX AZ	132.4	PLN	DTVPLN	-DTVP0113
09	KGUN	TUCSON AZ	235.6	PLN	DTVPLN	-DTVP0181
09	KEYC-TV	EL CENTRO CA	343.1	PLN	DTVPLN	-DTVP0182
09	KVVU-TV	HENDERSON NV	363.1	PLN	DTVPLN	-DTVP0211
09	KGUN	TUCSON AZ	235.6	CP	BPCDT	-20080213AGK
09	KVVU-TV	HENDERSON NV	363.1	APP	BPCDT	-20080619AGH
09	KVVU-TV	HENDERSON NV	363.1	LIC	BLCDT	-20021120ABN
09	KUSG	ST. GEORGE UT	347.1	LIC	BLCDT	-20021031ABG
09	KUSG	ST. GEORGE UT	347.1	PLN	DTVPLN	-DTVP0228
10	KSAZ-TV	PHOENIX AZ	132.2	CP	BPCDT	-20080417ABS
10	KSAZ-TV	PHOENIX AZ	132.2	PLN	DTVPLN	-DTVP0239
10	KSAZ-TV	PHOENIX AZ	132.2	APP	BMPCDT	-20080616AAM
09	KEYC-DT	EL CENTRO CA	343.1	APP	USERRECORD-01	

Total scenarios = 36

Result key: 48

Scenario 17 Affected station 6

Before Analysis

Results for: 9A AZ FLAGSTAFF BPRM 20080620AOF APP
 HAAT 301.0 m, ATV ERP 160.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2625697	32301.2
not affected by terrain losses	2310082	25850.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1930033	4027.0
lost to ATV IX only	1930033	4027.0
lost to all IX	1930033	4027.0

Potential Interfering Stations Included in above Scenario 17

8A AZ PHOENIX	BPEDT	20080612AAK	CP
9A AZ TUCSON	DTVPLN	DTVP0181	PLN
9A NV HENDERSON	DTVPLN	DTVP0211	PLN
10A AZ PHOENIX	BMPCDT	20080616AAM	APP
9A CA EL CENTRO	DTVPLN	DTVP0182	PLN

After Analysis

Results for: 9A AZ FLAGSTAFF BPRM 20080620AOF APP
 HAAT 301.0 m, ATV ERP 160.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2625697	32301.2
not affected by terrain losses	2310082	25850.7
lost to NTSC IX	0	0.0

KEYCY-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

lost to additional IX by ATV	1930624	4035.1
lost to ATV IX only	1930624	4035.1
lost to all IX	1930624	4035.1

Potential Interfering Stations Included in above Scenario 17

8A AZ PHOENIX	BPEDT	20080612AAK	CP
9A AZ TUCSON	DTVPLN	DTVP0181	PLN
9A NV HENDERSON	DTVPLN	DTVP0211	PLN
10A AZ PHOENIX	BMPCDT	20080616AAM	APP
9A CA EL CENTRO	USERRECORD01		APP

Percent new IX = 0.1555%

Worst case new IX 0.1555% Scenario 17

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KGUN	TUCSON AZ	BPCDT	-20080213AGK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KAET	PHOENIX AZ	162.0	CP	BPEDT	-20080612AAK
08	KAET	PHOENIX AZ	162.0	PLN	DTVPLN	-DTVP0113
09	KEYCY-TV	EL CENTRO CA	391.0	PLN	DTVPLN	-DTVP0182
09	KCFG-DR	FLAGSTAFF AZ	235.6	APP	BPRM	-20080620AOF
09	KTSM-TV	EL PASO TX	404.3	PLN	DTVPLN	-DTVP0222
09	KTSM-TV	EL PASO TX	404.3	CP	BPCDT	-20080619AEW
10	KSAZ-TV	PHOENIX AZ	161.9	CP	BPCDT	-20080417ABS
10	KSAZ-TV	PHOENIX AZ	161.9	PLN	DTVPLN	-DTVP0239
10	KSAZ-TV	PHOENIX AZ	161.9	APP	BMPCDT	-20080616AAM
09	KEYCYDT	EL CENTRO CA	391.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KCAL-TV	LOS ANGELES CA	BPCDT	-20080418AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KFMB-TV	SAN DIEGO CA	172.0	CP	BPCDT	-20080317ABU
08	KFMB-TV	SAN DIEGO CA	172.0	PLN	DTVPLN	-DTVP0116
09	KEYCY-TV	EL CENTRO CA	326.7	PLN	DTVPLN	-DTVP0182
09	KVVU-TV	HENDERSON NV	341.4	PLN	DTVPLN	-DTVP0211
09	KVVU-TV	HENDERSON NV	341.4	APP	BPCDT	-20080619AGH
09	KVVU-TV	HENDERSON NV	341.4	LIC	BLCDT	-20021120ABN
10	KERO-TV	BAKERSFIELD CA	144.5	LIC	BMLCDT	-20030429AAS
10	KERO-TV	BAKERSFIELD CA	144.6	PLN	DTVPLN	-DTVP0240
10	KERO-TV	BAKERSFIELD CA	144.6	CP	BPCDT	-20080619AIN
10	KGTV	SAN DIEGO CA	171.9	CP	BPCDT	-20080310AAX
10	KGTV	SAN DIEGO CA	171.9	PLN	DTVPLN	-DTVP0242
09	KEYCYDT	EL CENTRO CA	326.7	APP	USERRECORD-01	

KEYCY-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Total scenarios = 12

Result key: 76
Scenario 9 Affected station 8
Before Analysis

Results for: 9A CA LOS ANGELES BPCDT 20080418AAE CP
HAAT 977.0 m, ATV ERP 25.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16297030	48337.8
not affected by terrain losses	15856655	40792.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	174071	544.1
lost to ATV IX only	174071	544.1
lost to all IX	174071	544.1

Potential Interfering Stations Included in above Scenario 9

8A CA SAN DIEGO	BPCDT	20080317ABU	CP
9A NV HENDERSON	BPCDT	20080619AGH	APP
10A CA SAN DIEGO	BPCDT	20080310AAX	CP
9A CA EL CENTRO	DTVPLN	DTVP0182	PLN

After Analysis

Results for: 9A CA LOS ANGELES BPCDT 20080418AAE CP
HAAT 977.0 m, ATV ERP 25.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	16297030	48337.8
not affected by terrain losses	15856655	40792.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	174125	568.1
lost to ATV IX only	174125	568.1
lost to all IX	174125	568.1

Potential Interfering Stations Included in above Scenario 9

8A CA SAN DIEGO	BPCDT	20080317ABU	CP
9A NV HENDERSON	BPCDT	20080619AGH	APP
10A CA SAN DIEGO	BPCDT	20080310AAX	CP
9A CA EL CENTRO	USERRECORD01		APP

Percent new IX = 0.0003%

Worst case new IX 0.0003% Scenario 9

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KVVU-TV	HENDERSON NV	BPCDT	-20080619AGH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	KEYCY-TV	EL CENTRO CA	328.5	PLN	DTVPLN	-DTVP0182
09	KCAL-TV	LOS ANGELES CA	341.4	PLN	DTVPLN	-DTVP0183
09	KBMO-TV	TONOPAH NV	300.6	PLN	DTVPLN	-DTVP0212
09	KCFG-DR	FLAGSTAFF AZ	363.1	APP	BPRM	-20080620AOF
09	KCAL-TV	LOS ANGELES CA	341.4	CP	BPCDT	-20080418AAE
09	KUSG	ST. GEORGE UT	173.7	LIC	BLCDT	-20021031ABG
09	KUSG	ST. GEORGE UT	173.7	PLN	DTVPLN	-DTVP0228

KEYC-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

09 KEYCDT EL CENTRO CA 328.5 APP USERRECORD-01

Total scenarios = 1

Result key: 80
Scenario 1 Affected station 9
Before Analysis

Results for: 9A NV HENDERSON BPCDT 20080619AGH APP
HAAT 385.0 m, ATV ERP 160.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1472182	48688.3
not affected by terrain losses	1368907	33698.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	381	176.2
lost to ATV IX only	381	176.2
lost to all IX	381	176.2

Potential Interfering Stations Included in above Scenario 1

9A CA EL CENTRO DTVPLN DTVP0182 PLN

After Analysis

Results for: 9A NV HENDERSON BPCDT 20080619AGH APP
HAAT 385.0 m, ATV ERP 160.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1472182	48688.3
not affected by terrain losses	1368907	33698.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	594	268.3
lost to ATV IX only	594	268.3
lost to all IX	594	268.3

Potential Interfering Stations Included in above Scenario 1

9A CA EL CENTRO USERRECORD01 APP

Percent new IX = 0.0156%

Worst case new IX 0.0156% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KVVU-TV	HENDERSON NV	BLCDT	-20021120ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	KEYC-TV	EL CENTRO CA	328.5	PLN	DTVPLN	-DTVP0182
09	KCAL-TV	LOS ANGELES CA	341.4	PLN	DTVPLN	-DTVP0183
09	KBMO-TV	TONOPAH NV	300.6	PLN	DTVPLN	-DTVP0212
09	KCFG-DR	FLAGSTAFF AZ	363.1	APP	BPRM	-20080620AOF
09	KCAL-TV	LOS ANGELES CA	341.4	CP	BPCDT	-20080418AAE
09	KUSG	ST. GEORGE UT	173.7	LIC	BLCDT	-20021031ABG
09	KUSG	ST. GEORGE UT	173.7	PLN	DTVPLN	-DTVP0228
09	KEYCDT	EL CENTRO CA	328.5	APP	USERRECORD-01	

Total scenarios = 3

KEYC-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Result key: 81
Scenario 1 Affected station 10
Before Analysis

Results for: 9A NV HENDERSON BLCDT 20021120ABN LIC
HAAT 385.0 m, ATV ERP 86.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1444672	43675.9
not affected by terrain losses	1363608	30018.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1224	176.2
lost to ATV IX only	1224	176.2
lost to all IX	1224	176.2

Potential Interfering Stations Included in above Scenario 1

9A NV TONOPAH	DTVPLN	DTVP0212	PLN
9A CA EL CENTRO	DTVPLN	DTVP0182	PLN

After Analysis

Results for: 9A NV HENDERSON BLCDT 20021120ABN LIC
HAAT 385.0 m, ATV ERP 86.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1444672	43675.9
not affected by terrain losses	1363608	30018.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2033	320.4
lost to ATV IX only	2033	320.4
lost to all IX	2033	320.4

Potential Interfering Stations Included in above Scenario 1

9A NV TONOPAH	DTVPLN	DTVP0212	PLN
9A CA EL CENTRO	USERRECORD01		APP

Percent new IX = 0.0594%

Worst case new IX 0.0594% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	KGTV	SAN DIEGO CA	BPCDT	-20080310AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	KEYC-TV	EL CENTRO CA	227.0	PLN	DTVPLN	-DTVP0182
09	KCAL-TV	LOS ANGELES CA	171.9	PLN	DTVPLN	-DTVP0183
09	KCAL-TV	LOS ANGELES CA	171.9	CP	BPCDT	-20080418AAE
10	KERO-TV	BAKERSFIELD CA	315.8	LIC	BMLCDT	-20030429AAS
10	KERO-TV	BAKERSFIELD CA	315.9	PLN	DTVPLN	-DTVP0240
10	KERO-TV	BAKERSFIELD CA	315.9	CP	BPCDT	-20080619AIN
11	KYMA	YUMA AZ	227.1	APP	BMPCDT	-20090219ABV
11	KYMA	YUMA AZ	227.1	PLN	DTVPLN	-DTVP0302
11	KYMA	YUMA AZ	227.1	CP	BPCDT	-20080618ABN
11	KTTV	LOS ANGELES CA	171.5	APP	BMPCDT	-20080616AAK
11	KTTV	LOS ANGELES CA	171.5	PLN	DTVPLN	-DTVP0304
11	KTTV	LOS ANGELES CA	171.5	CP	BPCDT	-20080319ACL
09	KEYCDT	EL CENTRO CA	227.0	APP	USERRECORD-01	

KEYY-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	KGTV	SAN DIEGO CA	DTVPLN	-DTVP0242

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	KEYY-TV	EL CENTRO CA	227.0	PLN	DTVPLN	-DTVP0182
09	KCAL-TV	LOS ANGELES CA	171.9	PLN	DTVPLN	-DTVP0183
09	KCAL-TV	LOS ANGELES CA	171.9	CP	BPCDT	-20080418AAE
10	KERO-TV	BAKERSFIELD CA	315.8	LIC	BMLCDT	-20030429AAS
10	KERO-TV	BAKERSFIELD CA	315.9	PLN	DTVPLN	-DTVP0240
10	KERO-TV	BAKERSFIELD CA	315.9	CP	BPCDT	-20080619AIN
11	KYMA	YUMA AZ	227.1	APP	BMPCDT	-20090219ABV
11	KYMA	YUMA AZ	227.1	PLN	DTVPLN	-DTVP0302
11	KYMA	YUMA AZ	227.1	CP	BPCDT	-20080618ABN
11	KTTV	LOS ANGELES CA	171.5	APP	BMPCDT	-20080616AAK
11	KTTV	LOS ANGELES CA	171.5	PLN	DTVPLN	-DTVP0304
11	KTTV	LOS ANGELES CA	171.5	CP	BPCDT	-20080319ACL
09	KEYYDT	EL CENTRO CA	227.0	APP	USERRECORD	-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KEYYDT	EL CENTRO CA	USERRECORD	-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KFMB-TV	SAN DIEGO CA	227.0	CP	BPCDT	-20080317ABU
08	KFMB-TV	SAN DIEGO CA	227.0	PLN	DTVPLN	-DTVP0116
09	KGUN	TUCSON AZ	391.0	PLN	DTVPLN	-DTVP0181
09	KCAL-TV	LOS ANGELES CA	326.7	PLN	DTVPLN	-DTVP0183
09	KVVU-TV	HENDERSON NV	328.5	PLN	DTVPLN	-DTVP0211
09	KCFG-DR	FLAGSTAFF AZ	343.1	APP	BPRM	-20080620AOF
09	KGUN	TUCSON AZ	391.0	CP	BPCDT	-20080213AGK
09	KCAL-TV	LOS ANGELES CA	326.7	CP	BPCDT	-20080418AAE
09	KVVU-TV	HENDERSON NV	328.5	APP	BPCDT	-20080619AGH
09	KVVU-TV	HENDERSON NV	328.5	LIC	BLCDT	-20021120ABN
10	KGTV	SAN DIEGO CA	227.0	CP	BPCDT	-20080310AAX
10	KGTV	SAN DIEGO CA	227.0	PLN	DTVPLN	-DTVP0242

Total scenarios = 8

Result key:

84

Scenario 1 Affected station 13
Before Analysis

KEYC-DT, El Centro, CA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Results for: 9A CA EL CENTRO USERRECORD01 APP

HAAT 478.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	333899	44972.6
not affected by terrain losses	332465	39711.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5	100.0
lost to ATV IX only	5	100.0
lost to all IX	5	100.0

Potential Interfering Stations Included in above Scenario 1

9A NV HENDERSON DTVPLN DTVP0211 PLN

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