

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-12-2009

Record Selected for Analysis

KTSCDT USERRECORD-01 PUEBLO CO US
Channel 08 ERP 22.4 kW HAAT 728. m RCAMSL 02966 m
Latitude 038-44-43 Longitude 0104-51-39
Status APP Zone 2 Border
Dir Antenna Make CDB Model 00000000032868 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	20.066	1047.0	130.6
45.0	19.931	1120.9	132.3
90.0	16.369	1190.5	131.5
135.0	19.892	1178.1	133.5
180.0	20.149	931.2	127.9
225.0	5.838	145.0	77.6
270.0	1.258	33.0	40.7
315.0	5.838	180.8	81.1

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 beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
08	KTSCDT	PUEBLO CO	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

07	KMGH-TV	DENVER CO	114.1	PLN	DTVPLN	-DTVP0052
07	KMGH-TV	DENVER CO	114.1	CP	BPCDT	-20080619AIY
07	KMGH-TV	DENVER CO	114.1	APP	BMPCDT	-20090105ADQ
08	KSWK	LAKIN KS	342.8	LIC	BLEDT	-20050203ADS
08	KSWK	LAKIN KS	342.8	PLN	DTVPLN	-DTVP0130
08	KOFT	FARMINGTON NM	375.4	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	375.4	PLN	DTVPLN	-DTVP0150
08	KWYP-TV	LARAMIE WY	287.0	PLN	DTVPLN	-DTVP0177
08	KWYP-TV	LARAMIE WY	289.5	CP MOD	BMPEDT	-20080617ADF
09	KUSA-TV	DENVER CO	114.1	PLN	DTVPLN	-DTVP0187
09	KUSA-TV	DENVER CO	114.1	CP MOD	BMPCDT	-20080620AMC
09	KUSA-TV	DENVER CO	114.1	CP	BPCDT	-20080416ABB

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KMGH-TV	DENVER CO	DTVPLN	-DTVP0052

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KJCT	GRAND JUNCTION CO	270.3	LIC	BLCDDT	-20060623AAN
07	KJCT	GRAND JUNCTION CO	270.3	PLN	DTVPLN	-DTVP0053
07	KDUH-TV	SCOTTSBLUFF NE	296.6	LIC	BLCDDT	-20050914AAH
07	KDUH-TV	SCOTTSBLUFF NE	296.6	PLN	DTVPLN	-DTVP0083
08	KTSC	PUEBLO CO	114.0	PLN	DTVPLN	-DTVP0118
08	KWYP-TV	LARAMIE WY	174.1	PLN	DTVPLN	-DTVP0177
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
08	KTSCDT	PUEBLO CO	114.1	APP	USERRECORD-01	

Total scenarios = 2

Result key:

Scenario 1 Affected station 1
Before Analysis

Results for: 7A CO DENVER DTVPLN DTVP0052 PLN
HAAT 295.0 m, ATV ERP 37.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3035254	27977.1
not affected by terrain losses	2958290	25479.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59085	547.5
lost to ATV IX only	59085	547.5
lost to all IX	59085	547.5

Potential Interfering Stations Included in above Scenario 1

7A NE SCOTTSBLUFF	BLCDDT	20050914AAH	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 7A CO DENVER DTVPLN DTVP0052 PLN
HAAT 295.0 m, ATV ERP 37.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3035254	27977.1
not affected by terrain losses	2958290	25479.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	65071	627.4
lost to ATV IX only	65071	627.4
lost to all IX	65071	627.4

Potential Interfering Stations Included in above Scenario 1

7A NE SCOTTSBLUFF	BLCDDT	20050914AAH	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.2065%

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Worst case new IX 0.2065% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KMGH-TV	DENVER CO	BPCDT	-20080619AIY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KJCT	GRAND JUNCTION CO	270.3	LIC	BLCDT	-20060623AAN
07	KJCT	GRAND JUNCTION CO	270.3	PLN	DTVPLN	-DTVP0053
07	KDUH-TV	SCOTTSDUFF NE	296.6	LIC	BLCDT	-20050914AAH
07	KDUH-TV	SCOTTSDUFF NE	296.6	PLN	DTVPLN	-DTVP0083
08	KTSC	PUEBLO CO	114.1	PLN	DTVPLN	-DTVP0118
08	KWYP-TV	LARAMIE WY	174.0	PLN	DTVPLN	-DTVP0177
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
08	KTSCDT	PUEBLO CO	114.1	APP	USERRECORD-01	

Total scenarios = 2

Result key: 3
Scenario 1 Affected station 2
Before Analysis

Results for: 7A CO DENVER BPCDT 20080619AIY CP
HAAT 359.0 m, ATV ERP 27.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3090430	29637.1
not affected by terrain losses	2977567	26331.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	67208	671.6
lost to ATV IX only	67208	671.6
lost to all IX	67208	671.6

Potential Interfering Stations Included in above Scenario 1

7A NE SCOTTSDUFF	BLCDT	20050914AAH	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 7A CO DENVER BPCDT 20080619AIY CP
HAAT 359.0 m, ATV ERP 27.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3090430	29637.1
not affected by terrain losses	2977567	26331.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	72499	739.5
lost to ATV IX only	72499	739.5
lost to all IX	72499	739.5

Potential Interfering Stations Included in above Scenario 1

7A NE SCOTTSDUFF	BLCDT	20050914AAH	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.1818%

Worst case new IX 0.1818% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

07 KMGH-TV DENVER CO BMPCDT -20090105ADQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KJCT	GRAND JUNCTION CO	270.3	LIC	BLCDT	-20060623AAN
07	KJCT	GRAND JUNCTION CO	270.3	PLN	DTVPLN	-DTVP0053
07	KDUH-TV	SCOTTSBLUFF NE	296.6	LIC	BLCDT	-20050914AAH
07	KDUH-TV	SCOTTSBLUFF NE	296.6	PLN	DTVPLN	-DTVP0083
08	KTSC	PUEBLO CO	114.1	PLN	DTVPLN	-DTVP0118
08	KWYP-TV	LARAMIE WY	174.0	PLN	DTVPLN	-DTVP0177
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
08	KTSCDT	PUEBLO CO	114.1	APP	USERRECORD-01	

Total scenarios = 2

Result key: 5
 Scenario 1 Affected station 3
 Before Analysis

Results for: 7A CO DENVER BMPCDT 20090105ADQ APP
 HAAT 359.0 m, ATV ERP 48.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3225392	32816.8
not affected by terrain losses	3013105	28735.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	66738	887.4
lost to ATV IX only	66738	887.4
lost to all IX	66738	887.4

Potential Interfering Stations Included in above Scenario 1

7A NE SCOTTSBLUFF	BLCDT	20050914AAH	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 7A CO DENVER BMPCDT 20090105ADQ APP
 HAAT 359.0 m, ATV ERP 48.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3225392	32816.8
not affected by terrain losses	3013105	28735.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	70868	955.3
lost to ATV IX only	70868	955.3
lost to all IX	70868	955.3

Potential Interfering Stations Included in above Scenario 1

7A NE SCOTTSBLUFF	BLCDT	20050914AAH	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.1402%

Worst case new IX 0.1402% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KSWK	LAKIN KS	BLEDT	-20050203ADS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KBSH-TV	HAYS KS	194.0	CP MOD	BMPCDT	-20080313ABR
07	KBSH-TV	HAYS KS	194.0	PLN	DTVPLN	-DTVP0065
08	KTSC	PUEBLO CO	342.8	PLN	DTVPLN	-DTVP0118
08	KPTS	HUTCHINSON KS	293.3	PLN	DTVPLN	-DTVP0129
08	KPTS	HUTCHINSON KS	293.3	CP MOD	BMPEDT	-20080618ABB

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

08	KWET	CHEYENNE OK	279.6	LIC	BLEDT	-20060601BMA
08	KWET	CHEYENNE OK	279.6	PLN	DTVPLN	-DTVP0156
08	KACV-TV	AMARILLO TX	281.2	LIC	BLEDT	-20040322ADV
08	KACV-TV	AMARILLO TX	281.2	PLN	DTVPLN	-DTVP0166
08	KTSCDT	PUEBLO CO	342.8	APP	USERRECORD-01	

Total scenarios = 8

Result key: 11
 Scenario 5 Affected station 4
 Before Analysis

Results for: 8A KS LAKIN BLEDT 20050203ADS LIC
 HAAT 153.0 m, ATV ERP 33.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	82486	21251.3
not affected by terrain losses	82303	20954.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2062	851.8
lost to ATV IX only	2062	851.8
lost to all IX	2062	851.8

Potential Interfering Stations Included in above Scenario 5

8A KS HUTCHINSON	BMPEDT	20080618ABB	CP
8A OK CHEYENNE	BLEDT	20060601BMA	LIC
8A TX AMARILLO	BLEDT	20040322ADV	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 8A KS LAKIN BLEDT 20050203ADS LIC
 HAAT 153.0 m, ATV ERP 33.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	82486	21251.3
not affected by terrain losses	82303	20954.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2073	920.1
lost to ATV IX only	2073	920.1
lost to all IX	2073	920.1

Potential Interfering Stations Included in above Scenario 5

8A KS HUTCHINSON	BMPEDT	20080618ABB	CP
8A OK CHEYENNE	BLEDT	20060601BMA	LIC
8A TX AMARILLO	BLEDT	20040322ADV	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.0137%

Worst case new IX 0.0137% Scenario 5

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KSWK	LAKIN KS	DTVPLN	-DTVP0130

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KBSH-TV	HAYS KS	194.0	CP MOD	BMPCDT	-20080313ABR
07	KBSH-TV	HAYS KS	194.0	PLN	DTVPLN	-DTVP0065
08	KTSC	PUEBLO CO	342.8	PLN	DTVPLN	-DTVP0118
08	KPTS	HUTCHINSON KS	293.3	PLN	DTVPLN	-DTVP0129
08	KPTS	HUTCHINSON KS	293.3	CP MOD	BMPEDT	-20080618ABB
08	KWET	CHEYENNE OK	279.6	LIC	BLEDT	-20060601BMA
08	KWET	CHEYENNE OK	279.6	PLN	DTVPLN	-DTVP0156
08	KACV-TV	AMARILLO TX	281.2	LIC	BLEDT	-20040322ADV
08	KACV-TV	AMARILLO TX	281.2	PLN	DTVPLN	-DTVP0166
08	KTSCDT	PUEBLO CO	342.8	APP	USERRECORD-01	

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Total scenarios = 8

Result key: 19
Scenario 5 Affected station 5
Before Analysis

Results for: 8A KS LAKIN DTVPLN DTVP0130 PLN
HAAT 153.0 m, ATV ERP 33.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 82486 21251.3
not affected by terrain losses 82303 20954.0
lost to NTSC IX 0 0.0
lost to additional IX by ATV 2062 851.8
lost to ATV IX only 2062 851.8
lost to all IX 2062 851.8

Potential Interfering Stations Included in above Scenario 5

8A KS HUTCHINSON	BMPEDT	20080618ABB	CP
8A OK CHEYENNE	BLEDT	20060601BMA	LIC
8A TX AMARILLO	BLEDT	20040322ADV	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 8A KS LAKIN DTVPLN DTVP0130 PLN
HAAT 153.0 m, ATV ERP 33.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 82486 21251.3
not affected by terrain losses 82303 20954.0
lost to NTSC IX 0 0.0
lost to additional IX by ATV 2073 920.1
lost to ATV IX only 2073 920.1
lost to all IX 2073 920.1

Potential Interfering Stations Included in above Scenario 5

8A KS HUTCHINSON	BMPEDT	20080618ABB	CP
8A OK CHEYENNE	BLEDT	20060601BMA	LIC
8A TX AMARILLO	BLEDT	20040322ADV	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.0137%

Worst case new IX 0.0137% Scenario 5

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KOFT	FARMINGTON NM	BMPCDT -20041028AGN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	227.8	PLN	DTVPLN -DTVP0084
07	KOAT-TV	ALBUQUERQUE NM	227.8	CP	BPCDT -20080317AEH
08	KTSC	PUEBLO CO	375.4	PLN	DTVPLN -DTVP0118
09	KNMD-TV	SANTA FE NM	228.0	PLN	DTVPLN -DTVP0211
09	KNMD-TV	SANTA FE NM	228.0	LIC	BLEDT -20040914AAT
08	KTSCDT	PUEBLO CO	375.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Channel	Call	City/State	Application	Ref. No.
08	KOFT	FARMINGTON NM	DTVPLN	-DTVP0150

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	227.8	PLN	DTVPLN	-DTVP0084
07	KOAT-TV	ALBUQUERQUE NM	227.8	CP	BPCDT	-20080317AEH
08	KTSC	PUEBLO CO	375.4	PLN	DTVPLN	-DTVP0118
09	KNMD-TV	SANTA FE NM	228.0	PLN	DTVPLN	-DTVP0211
09	KNMD-TV	SANTA FE NM	228.0	LIC	BLEDT	-20040914AAT
08	KTSCDT	PUEBLO CO	375.4	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.
08	KWYP-TV	LARAMIE WY	DTVPLN	-DTVP0177

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	174.1	PLN	DTVPLN	-DTVP0052
07	KMGH-TV	DENVER CO	174.0	CP	BPCDT	-20080619AIY
07	KMGH-TV	DENVER CO	174.0	APP	BMPCDT	-20090105ADQ
07	KDUH-TV	SCOTTSBLUFF NE	206.5	LIC	BLCDT	-20050914AAH
07	KDUH-TV	SCOTTSBLUFF NE	206.5	PLN	DTVPLN	-DTVP0083
08	KTSC	PUEBLO CO	286.9	PLN	DTVPLN	-DTVP0118
08	KZSD-TV	MARTIN SD	398.8	PLN	DTVPLN	-DTVP0164
08	KZSD-TV	MARTIN SD	398.6	CP MOD	BMPEDT	-20080618ACQ
08	KPTW	CASPER WY	178.2	CP MOD	BMPEDT	-20081215ACM
08	KPTW	CASPER WY	178.2	PLN	DTVPLN	-DTVP0175
08	KPTW-DR	CASPER WY	178.2	APP	BPRM	-20080619ALX
08	KCWC-TV	LANDER WY	305.9	LIC	BLEDT	-20070226AEY
08	KCWC-TV	LANDER WY	305.9	PLN	DTVPLN	-DTVP0176
09	KUSA-TV	DENVER CO	174.1	PLN	DTVPLN	-DTVP0187
09	KUSA-TV	DENVER CO	174.0	CP MOD	BMPCDT	-20080620AMC
09	KUSA-TV	DENVER CO	174.0	CP	BPCDT	-20080416ABB
09	KFNR	RAWLINS WY	158.5	CP MOD	BMPCDT	-20080124ACR
09	KFNR	RAWLINS WY	158.7	PLN	DTVPLN	-DTVP0234
08	KTSCDT	PUEBLO CO	287.0	APP	USERRECORD-01	

Total scenarios = 2

Result key: 23

Scenario 1 Affected station 8
Before Analysis

Results for:	8A WY LARAMIE	DTVPLN	DTVP0177	PLN
HAAT	318.0 m, ATV ERP	3.2 kW		
		POPULATION	AREA (sq km)	
within Noise Limited Contour		110296	15080.1	
not affected by terrain losses		109868	13186.6	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		67	204.2	
lost to ATV IX only		67	204.2	
lost to all IX		67	204.2	

Potential Interfering Stations Included in above Scenario 1

8A WY LANDER	BLEDT	20070226AEY	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for:	8A WY LARAMIE	DTVPLN	DTVP0177	PLN
HAAT	318.0 m, ATV ERP	3.2 kW		
		POPULATION	AREA (sq km)	
within Noise Limited Contour		110296	15080.1	

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

not affected by terrain losses	109868	13186.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	72	240.2
lost to ATV IX only	72	240.2
lost to all IX	72	240.2

Potential Interfering Stations Included in above Scenario 1

8A WY LANDER	BLEDT	20070226AEY	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.0046%

Worst case new IX 0.0046% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KWYP-TV	LARAMIE WY	BMPEDT	-20080617ADF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	176.5	PLN	DTVPLN	-DTVP0052
07	KMGH-TV	DENVER CO	176.5	CP	BPCDT	-20080619AIY
07	KMGH-TV	DENVER CO	176.5	APP	BMPCDT	-20090105ADQ
07	KDUH-TV	SCOTTSDLUFF NE	206.6	LIC	BLCDT	-20050914AAH
07	KDUH-TV	SCOTTSDLUFF NE	206.6	PLN	DTVPLN	-DTVP0083
08	KTSC	PUEBLO CO	289.5	PLN	DTVPLN	-DTVP0118
08	KZSD-TV	MARTIN SD	398.0	PLN	DTVPLN	-DTVP0164
08	KZSD-TV	MARTIN SD	397.8	CP MOD	BMPEDT	-20080618ACQ
08	KPTW	CASPER WY	175.7	CP MOD	BMPEDT	-20081215ACM
08	KPTW	CASPER WY	175.7	PLN	DTVPLN	-DTVP0175
08	KPTW-DR	CASPER WY	175.7	APP	BPRM	-20080619ALX
08	KWC-TV	LANDER WY	304.0	LIC	BLEDT	-20070226AEY
08	KWC-TV	LANDER WY	304.0	PLN	DTVPLN	-DTVP0176
09	KUSA-TV	DENVER CO	176.5	PLN	DTVPLN	-DTVP0187
09	KUSA-TV	DENVER CO	176.5	CP MOD	BMPCDT	-20080620AMC
09	KUSA-TV	DENVER CO	176.5	CP	BPCDT	-20080416ABB
09	KFNR	RAWLINS WY	156.9	CP MOD	BMPCDT	-20080124ACR
09	KFNR	RAWLINS WY	157.1	PLN	DTVPLN	-DTVP0234
08	KTSCDT	PUEBLO CO	289.5	APP	USERRECORD-01	

Total scenarios = 12

Result key: 25
Scenario 1 Affected station 9
Before Analysis

Results for: 8A WY LARAMIE BMPEDT 20080617ADF CP
HAAT 308.0 m, ATV ERP 13.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	114170	21305.0
not affected by terrain losses	112533	18219.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	71	500.3
lost to ATV IX only	71	500.3
lost to all IX	71	500.3

Potential Interfering Stations Included in above Scenario 1

8A WY CASPER	BMPEDT	20081215ACM	CP
8A WY LANDER	BLEDT	20070226AEY	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 8A WY LARAMIE BMPEDT 20080617ADF CP
HAAT 308.0 m, ATV ERP 13.0 kW

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

	POPULATION	AREA (sq km)
within Noise Limited Contour	114170	21305.0
not affected by terrain losses	112533	18219.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	74	556.3
lost to ATV IX only	74	556.3
lost to all IX	74	556.3

Potential Interfering Stations Included in above Scenario 1

8A WY CASPER	BMPEDT	20081215ACM	CP
8A WY LANDER	BLEDT	20070226AEY	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.0027%

Worst case new IX 0.0027% 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	KUSA-TV	DENVER CO	DTVPLN	-DTVP0187

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KTSC	PUEBLO CO	114.0	PLN	DTVPLN	-DTVP0118
08	KWYP-TV	LARAMIE WY	174.1	PLN	DTVPLN	-DTVP0177
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
09	KPNE-TV	NORTH PLATTE NE	373.9	PLN	DTVPLN	-DTVP0209
09	KPNE-TV	NORTH PLATTE NE	373.9	CP MOD	BMPEDT	-20080620AAZ
09	KFNR	RAWLINS WY	282.8	CP MOD	BMPCDT	-20080124ACR
09	KFNR	RAWLINS WY	282.9	PLN	DTVPLN	-DTVP0234
10	KKTV	COLORADO SPRINGS CO	114.1	LIC	BLCDT	-20030512ADQ
10	KKTV	COLORADO SPRINGS CO	114.1	PLN	DTVPLN	-DTVP0244
10	KRMZ	STEAMBOAT SPRINGS CO	159.8	LIC	BLCDT	-20060711ABO
10	KRMZ	STEAMBOAT SPRINGS CO	159.8	PLN	DTVPLN	-DTVP0245
08	KTSCDT	PUEBLO CO	114.1	APP	USERRECORD-01	

Total scenarios = 4

Result key: 39

Scenario 3 Affected station 10
Before Analysis

Results for: 9A CO DENVER DTVPLN DTVP0187 PLN
HAAT 318.0 m, ATV ERP 39.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3082101	29137.0
not affected by terrain losses	2978648	26103.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	52870	471.6
lost to ATV IX only	52870	471.6
lost to all IX	52870	471.6

Potential Interfering Stations Included in above Scenario 3

9A NE NORTH PLATTE	BMPEDT	20080620AAZ	CP
10A CO COLORADO SPRINGS	BLCDT	20030512ADQ	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 9A CO DENVER DTVPLN DTVP0187 PLN
HAAT 318.0 m, ATV ERP 39.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3082101	29137.0
not affected by terrain losses	2978648	26103.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55045	511.5

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

lost to ATV IX only	55045	511.5
lost to all IX	55045	511.5

Potential Interfering Stations Included in above Scenario 3

9A NE NORTH PLATTE	BMPEDT	20080620AAZ	CP
10A CO COLORADO SPRINGS	BLCDT	20030512ADQ	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.0743%

Worst case new IX 0.0743% Scenario 3

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KUSA-TV	DENVER CO	BMPCDT	-20080620AMC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KTSC	PUEBLO CO	114.1	PLN	DTVPLN	-DTVP0118
08	KWYP-TV	LARAMIE WY	174.0	PLN	DTVPLN	-DTVP0177
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
09	KPNE-TV	NORTH PLATTE NE	373.9	PLN	DTVPLN	-DTVP0209
09	KPNE-TV	NORTH PLATTE NE	373.9	CP MOD	BMPEDT	-20080620AAZ
09	KFNR	RAWLINS WY	282.7	CP MOD	BMPCDT	-20080124ACR
09	KFNR	RAWLINS WY	282.9	PLN	DTVPLN	-DTVP0234
10	KKTV	COLORADO SPRINGS CO	114.1	LIC	BLCDT	-20030512ADQ
10	KKTV	COLORADO SPRINGS CO	114.1	PLN	DTVPLN	-DTVP0244
10	KRMZ	STEAMBOAT SPRINGS CO	159.7	LIC	BLCDT	-20060711ABO
10	KRMZ	STEAMBOAT SPRINGS CO	159.7	PLN	DTVPLN	-DTVP0245
08	KTSCDT	PUEBLO CO	114.1	APP	USERRECORD-01	

Total scenarios = 4

Result key: 43
Scenario 3 Affected station 11
Before Analysis

Results for: 9A CO DENVER BMPCDT 20080620AMC CP
HAAT 352.0 m, ATV ERP 45.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3226224	32365.7
not affected by terrain losses	2998473	28144.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	64628	683.5
lost to ATV IX only	64628	683.5
lost to all IX	64628	683.5

Potential Interfering Stations Included in above Scenario 3

9A NE NORTH PLATTE	BMPEDT	20080620AAZ	CP
10A CO COLORADO SPRINGS	BLCDT	20030512ADQ	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 9A CO DENVER BMPCDT 20080620AMC CP
HAAT 352.0 m, ATV ERP 45.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3226224	32365.7
not affected by terrain losses	2998473	28144.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	68770	755.5
lost to ATV IX only	68770	755.5
lost to all IX	68770	755.5

Potential Interfering Stations Included in above Scenario 3

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

9A NE NORTH PLATTE BMPEDT 20080620AAZ CP
10A CO COLORADO SPRINGS BLCDT 20030512ADQ LIC
8A CO PUEBLO USERRECORD01 APP

Percent new IX = 0.1412%

Worst case new IX 0.1412% Scenario 3

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	KUSA-TV	DENVER CO	BPCDT	-20080416ABB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KTSC	PUEBLO CO	114.1	PLN	DTVPLN	-DTVP0118
08	KWYP-TV	LARAMIE WY	174.0	PLN	DTVPLN	-DTVP0177
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
09	KPNE-TV	NORTH PLATTE NE	373.9	PLN	DTVPLN	-DTVP0209
09	KPNE-TV	NORTH PLATTE NE	373.9	CP MOD	BMPEDT	-20080620AAZ
09	KFNR	RAWLINS WY	282.7	CP MOD	BMPCDT	-20080124ACR
09	KFNR	RAWLINS WY	282.9	PLN	DTVPLN	-DTVP0234
10	KKTV	COLORADO SPRINGS CO	114.1	LIC	BLCDT	-20030512ADQ
10	KKTV	COLORADO SPRINGS CO	114.1	PLN	DTVPLN	-DTVP0244
10	KRMZ	STEAMBOAT SPRINGS CO	159.7	LIC	BLCDT	-20060711ABO
10	KRMZ	STEAMBOAT SPRINGS CO	159.7	PLN	DTVPLN	-DTVP0245
08	KTSCDT	PUEBLO CO	114.1	APP	USERRECORD-01	

Total scenarios = 2

Result key: 45
Scenario 1 Affected station 12
Before Analysis

Results for: 9A CO DENVER BPCDT 20080416ABB CP
HAAT 352.0 m, ATV ERP 6.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2884295	21485.7
not affected by terrain losses	2857142	19759.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10670	127.9
lost to ATV IX only	10670	127.9
lost to all IX	10670	127.9

Potential Interfering Stations Included in above Scenario 1

10A CO COLORADO SPRINGS	BLCDT	20030512ADQ	LIC
8A CO PUEBLO	DTVPLN	DTVP0118	PLN

After Analysis

Results for: 9A CO DENVER BPCDT 20080416ABB CP
HAAT 352.0 m, ATV ERP 6.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2884295	21485.7
not affected by terrain losses	2857142	19759.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10980	139.9
lost to ATV IX only	10980	139.9
lost to all IX	10980	139.9

Potential Interfering Stations Included in above Scenario 1

10A CO COLORADO SPRINGS	BLCDT	20030512ADQ	LIC
8A CO PUEBLO	USERRECORD01		APP

Percent new IX = 0.0109%

KTSC-DT, Pueblo, CO, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Worst case new IX 0.0109% Scenario 1

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	KTSCDT	PUEBLO CO	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KMGH-TV	DENVER CO	114.1	PLN	DTVPLN -DTVP0052
07	KMGH-TV	DENVER CO	114.1	CP	BPCDT -20080619AIY
07	KMGH-TV	DENVER CO	114.1	APP	BMPCDT -20090105ADQ
08	KSWK	LAKIN KS	342.8	LIC	BLEDT -20050203ADS
08	KSWK	LAKIN KS	342.8	PLN	DTVPLN -DTVP0130
08	KOFT	FARMINGTON NM	375.4	CP MOD	BMPCDT -20041028AGN
08	KOFT	FARMINGTON NM	375.4	PLN	DTVPLN -DTVP0150
08	KWYP-TV	LARAMIE WY	287.0	PLN	DTVPLN -DTVP0177
08	KWYP-TV	LARAMIE WY	289.5	CP MOD	BMPEDT -20080617ADF
09	KUSA-TV	DENVER CO	114.1	PLN	DTVPLN -DTVP0187
09	KUSA-TV	DENVER CO	114.1	CP MOD	BMPCDT -20080620AMC
09	KUSA-TV	DENVER CO	114.1	CP	BPCDT -20080416ABB

Total scenarios = 36

Result key: 47
Scenario 1 Affected station 13
Before Analysis

Results for: 8A CO PUEBLO USERRECORD01 APP
HAAT 728.0 m, ATV ERP 22.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2705501	40017.1
not affected by terrain losses	2585210	36600.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1499736	2025.3
lost to ATV IX only	1499736	2025.3
lost to all IX	1499736	2025.3

Potential Interfering Stations Included in above Scenario 1

7A CO DENVER	DTVPLN	DTVP0052	PLN
8A KS LAKIN	BLEDT	20050203ADS	LIC
8A WY LARAMIE	DTVPLN	DTVP0177	PLN
9A CO DENVER	DTVPLN	DTVP0187	PLN

Result key: 48
Scenario 2 Affected station 13
Before Analysis

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