

OET-69 Post-Transition Interference Analysis (KTSC-DT DTS1)

Percent allowed new interference: 0.100
Percent allowed new interference to Class A: 0.100
TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-04-2008

Record Selected for Analysis

KTSCDTS1 USERRECORD-01 COLORADO SPRINGS CO US
Channel 08 ERP 0.15 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 00000000044504 Beam tilt N Ref Azimuth 70.
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	0.002	1047.0	50.7
45.0	0.098	1120.9	84.6
90.0	0.114	1190.5	86.5
135.0	0.005	1178.1	59.0
180.0	0.001	931.2	41.9
225.0	0.000	145.0	11.7
270.0	0.000	33.0	4.9
315.0	0.001	180.8	20.3

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

OET-69 Post-Transition Interference Analysis (KTSC-DT DTS1)

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	KTSCDTS1	COLORADO SPRINGS CO	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	114.1	CP	BPCDT	-20080619AIY
07	KMGH-TV	DENVER CO	114.1	PLN	DTVPLN	-DTVP0050
08	KSWK	LAKIN KS	342.8	LIC	BLEDT	-20050203ADS
08	KSWK	LAKIN KS	342.8	PLN	DTVPLN	-DTVP0128
08	KOFT	FARMINGTON NM	375.4	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	375.4	PLN	DTVPLN	-DTVP0148
08	KWYP-TV	LARAMIE WY	289.5	CP MOD	BMPEDT	-20080617ADF
08	KWYP-TV	LARAMIE WY	287.0	PLN	DTVPLN	-DTVP0174
09	KUSA-TV	DENVER CO	114.1	APP	BMPCDT	-20080620AMC
09	KUSA-TV	DENVER CO	114.1	PLN	DTVPLN	-DTVP0184
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	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	-DTVP0051
07	KDUH-TV	SCOTTSBLUFF NE	296.6	LIC	BLCDT	-20050914AAH
07	KDUH-TV	SCOTTSBLUFF NE	296.6	PLN	DTVPLN	-DTVP0081
08	KTSC	PUEBLO CO	114.1	PLN	DTVPLN	-DTVP0116
08	KTSC	PUEBLO CO	161.7	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	161.7	CP	BPEDT	-20080221ABB
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
08	KWYP-TV	LARAMIE WY	174.0	PLN	DTVPLN	-DTVP0174
08	KTSCDTS1	COLORADO SPRINGS CO	114.1	APP	USERRECORD-01	

Proposal causes no interference

OET-69 Post-Transition Interference Analysis (KTSC-DT DTS1)

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KMGH-TV	DENVER CO	DTVPLN	-DTVP0050

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	-DTVP0051
07	KDUH-TV	SCOTTSBLUFF NE	296.6	LIC	BLCDDT	-20050914AAH
07	KDUH-TV	SCOTTSBLUFF NE	296.6	PLN	DTVPLN	-DTVP0081
08	KTSC	PUEBLO CO	114.0	PLN	DTVPLN	-DTVP0116
08	KTSC	PUEBLO CO	161.7	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	161.7	CP	BPEDT	-20080221ABB
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
08	KWYP-TV	LARAMIE WY	174.1	PLN	DTVPLN	-DTVP0174
08	KTSCDTS1	COLORADO SPRINGS CO	114.1	APP	USERRECORD	-01

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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	PLN	DTVPLN	-DTVP0063
07	KBSH-TV	HAYS KS	194.0	CP MOD	BMPCDDT	-20080313ABR
08	KTSC	PUEBLO CO	342.8	PLN	DTVPLN	-DTVP0116
08	KTSC	PUEBLO CO	307.6	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	307.6	CP	BPEDT	-20080221ABB
08	KPTS	HUTCHINSON KS	293.3	PLN	DTVPLN	-DTVP0127
08	KPTS	HUTCHINSON KS	293.3	APP	BMPEDT	-20080618ABB
08	KPTS	HUTCHINSON KS	293.3	CP	BPEDT	-20080313ACD
08	KWET	CHEYENNE OK	279.6	LIC	BLEDT	-20060601BMA
08	KWET	CHEYENNE OK	279.6	PLN	DTVPLN	-DTVP0154
08	KACV-TV	AMARILLO TX	281.2	LIC	BLEDT	-20040322ADV
08	KACV-TV	AMARILLO TX	281.2	PLN	DTVPLN	-DTVP0164
08	KTSCDTS1	COLORADO SPRINGS CO	342.8	APP	USERRECORD	-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

OET-69 Post-Transition Interference Analysis (KTSC-DT DTS1)

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KSWK	LAKIN KS	DTVPLN	-DTVP0128

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KBSH-TV	HAYS KS	194.0	PLN	DTVPLN	-DTVP0063
07	KBSH-TV	HAYS KS	194.0	CP MOD	BMPCDT	-20080313ABR
08	KTSC	PUEBLO CO	342.8	PLN	DTVPLN	-DTVP0116
08	KTSC	PUEBLO CO	307.6	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	307.6	CP	BPEDT	-20080221ABB
08	KPTS	HUTCHINSON KS	293.3	PLN	DTVPLN	-DTVP0127
08	KPTS	HUTCHINSON KS	293.3	APP	BMPEDT	-20080618ABB
08	KPTS	HUTCHINSON KS	293.3	CP	BPEDT	-20080313ACD
08	KWET	CHEYENNE OK	279.6	LIC	BLEDT	-20060601BMA
08	KWET	CHEYENNE OK	279.6	PLN	DTVPLN	-DTVP0154
08	KACV-TV	AMARILLO TX	281.2	LIC	BLEDT	-20040322ADV
08	KACV-TV	AMARILLO TX	281.2	PLN	DTVPLN	-DTVP0164
08	KTSCDTS1	COLORADO SPRINGS CO	342.8	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	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	-DTVP0082
07	KOAT-TV	ALBUQUERQUE NM	227.8	CP	BPCDT	-20080317AEH
08	KTSC	PUEBLO CO	375.4	PLN	DTVPLN	-DTVP0116
08	KTSC	PUEBLO CO	375.0	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	375.0	CP	BPEDT	-20080221ABB
09	KNMD-TV	SANTA FE NM	228.0	LIC	BLEDT	-20040914AAT
09	KNMD-TV	SANTA FE NM	228.0	PLN	DTVPLN	-DTVP0211
08	KTSCDTS1	COLORADO SPRINGS CO	375.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KOFT	FARMINGTON NM	DTVPLN	-DTVP0148

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	227.8	PLN	DTVPLN	-DTVP0082

OET-69 Post-Transition Interference Analysis (KTSC-DT DTS1)

07	KOAT-TV	ALBUQUERQUE NM	227.8	CP	BPCDT	-20080317AEH
08	KTSC	PUEBLO CO	375.4	PLN	DTVPLN	-DTVP0116
08	KTSC	PUEBLO CO	375.0	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	375.0	CP	BPEDT	-20080221ABB
09	KNMD-TV	SANTA FE NM	228.0	LIC	BLEDT	-20040914AAT
09	KNMD-TV	SANTA FE NM	228.0	PLN	DTVPLN	-DTVP0211
08	KTSCDTS1	COLORADO SPRINGS CO	375.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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	CP	BPCDT	-20080619AIY
07	KMGH-TV	DENVER CO	176.5	PLN	DTVPLN	-DTVP0050
07	KDUH-TV	SCOTTSBLUFF NE	206.6	LIC	BLCDT	-20050914AAH
07	KDUH-TV	SCOTTSBLUFF NE	206.6	PLN	DTVPLN	-DTVP0081
08	KTSC	PUEBLO CO	289.5	PLN	DTVPLN	-DTVP0116
08	KTSC	PUEBLO CO	335.2	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	335.2	CP	BPEDT	-20080221ABB
08	KZSD-TV	MARTIN SD	398.0	PLN	DTVPLN	-DTVP0162
08	KZSD-TV	MARTIN SD	397.8	CP MOD	BMPEDT	-20080618ACQ
08	KPTW-DR	CASPER WY	175.7	APP	BPRM	-20080619ALX
08	KCWC-TV	LANDER WY	304.0	LIC	BLEDT	-20070226AEY
08	KCWC-TV	LANDER WY	304.0	PLN	DTVPLN	-DTVP0173
09	KUSA-TV	DENVER CO	176.5	APP	BMPCDT	-20080620AMC
09	KUSA-TV	DENVER CO	176.5	PLN	DTVPLN	-DTVP0184
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	KTSCDTS1	COLORADO SPRINGS CO	289.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KWYP-TV	LARAMIE WY	DTVPLN	-DTVP0174

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	174.0	CP	BPCDT	-20080619AIY
07	KMGH-TV	DENVER CO	174.1	PLN	DTVPLN	-DTVP0050
07	KDUH-TV	SCOTTSBLUFF NE	206.5	LIC	BLCDT	-20050914AAH
07	KDUH-TV	SCOTTSBLUFF NE	206.5	PLN	DTVPLN	-DTVP0081

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08	KTSC	PUEBLO CO	286.9	PLN	DTVPLN	-DTVP0116
08	KTSC	PUEBLO CO	332.7	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	332.7	CP	BPEDT	-20080221ABB
08	KZSD-TV	MARTIN SD	398.8	PLN	DTVPLN	-DTVP0162
08	KZSD-TV	MARTIN SD	398.6	CP MOD	BMPEDT	-20080618ACQ
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	-DTVP0173
09	KUSA-TV	DENVER CO	174.0	APP	BMPCDT	-20080620AMC
09	KUSA-TV	DENVER CO	174.1	PLN	DTVPLN	-DTVP0184
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	KTSCDTS1	COLORADO SPRINGS CO	287.0	APP	USERRECORD-01	

Proposal causes no interference

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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	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 -DTVP0116
08	KTSC	PUEBLO CO	161.7	APP	BMPEDT -20080618ATA
08	KTSC	PUEBLO CO	161.7	CP	BPEDT -20080221ABB
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT -20080617ADF
08	KWYP-TV	LARAMIE WY	174.0	PLN	DTVPLN -DTVP0174
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	KTSCDTS1	COLORADO SPRINGS CO	114.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	KUSA-TV	DENVER CO	DTVPLN -DTVP0184

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
08	KTSC	PUEBLO CO	114.0	PLN	DTVPLN -DTVP0116

OET-69 Post-Transition Interference Analysis (KTSC-DT DTS1)

08	KTSC	PUEBLO CO	161.7	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	161.7	CP	BPEDT	-20080221ABB
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
08	KWYP-TV	LARAMIE WY	174.1	PLN	DTVPLN	-DTVP0174
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	KTSCDTS1	COLORADO SPRINGS CO	114.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 14

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	-DTVP0116
08	KTSC	PUEBLO CO	161.7	APP	BMPEDT	-20080618ATA
08	KTSC	PUEBLO CO	161.7	CP	BPEDT	-20080221ABB
08	KWYP-TV	LARAMIE WY	176.5	CP MOD	BMPEDT	-20080617ADF
08	KWYP-TV	LARAMIE WY	174.0	PLN	DTVPLN	-DTVP0174
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	KTSCDTS1	COLORADO SPRINGS CO	114.1	APP	USERRECORD-01	

Proposal causes no interference

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