

KTSC-DT Post-Transition Interference Analysis

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
Census data selected 2000

Post Transition Data Base Selected
/export/home/cdbs/tvdb.sff_G
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

KTSCDT USERRECORD-01 PUEBLO CO US
Channel 08 ERP 2.5 kW HAAT 373. m RCAMSL 01888 m
Latitude 038-22-25 Longitude 0104-33-27
Status APP Zone 2 Border
Dir Antenna Make CDB Model 00000000084888 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	2.266	317.3	82.3
45.0	2.256	331.0	83.2
90.0	1.858	388.3	85.7
135.0	2.256	421.9	89.3
180.0	2.266	423.4	89.5
225.0	0.652	410.3	79.1
270.0	0.140	361.4	64.1
315.0	0.652	328.4	73.4

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 quite zone

KTSC-DT Post-Transition Interference Analysis

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.
07	KMGH-TV	DENVER CO	161.7	CP MOD	BMPCDT	-20000421AAV
08	KSWK	LAKIN KS	307.6	CP	BDSTA	-20031027ABJ
08	KOFT	FARMINGTON NM	375.0	CP MOD	BMPCDT	-20041028AGN
08	KACV-TV	AMARILLO TX	409.4	LIC	BLEDT	-20040322ADV
08	KWYP-TV	LARAMIE WY	332.7	CP	BPET	-19921210KE
09	KUSA-TV	DENVER CO	161.7	CP MOD	BMPCDT	-20000501ADN

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KMGH-TV	DENVER CO	BMPCDT	-20000421AAV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KJCT	GRAND JUNCTION CO	270.3	CP	BDTV	-00000007
07	KDUH-TV	SCOTTSDLUFF NE	296.6	CP MOD	BMPCDT	-20030224AAW
08	KWYP-TV	LARAMIE WY	174.1	CP	BPET	-19921210KE
08	KTSCDT	PUEBLO CO	161.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KSWK	LAKIN KS	BDSTA	-20031027ABJ

Stations Potentially Affecting This Station

KTSC-DT Post-Transition Interference Analysis

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KBSH-TV	HAYS KS	194.0	CP	BDTV	-00000012
08	KPTS	HUTCHINSON KS	293.3	CP	BDTV	-00000032
08	KWET	CHEYENNE OK	279.6	CP	BPEDT	-20000501AHF
08	KACV-TV	AMARILLO TX	281.2	LIC	BLEDT	-20040322ADV
08	KTSCDT	PUEBLO CO	307.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

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	CP MOD	BMPCDT	-20020321AAT
09	KNMD-TV	SANTA FE NM	228.0	CP MOD	BMPEDT	-20040322AGY
08	KTSCDT	PUEBLO CO	375.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KACV-TV	AMARILLO TX	BLEDT	-20040322ADV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KVII-TV	AMARILLO TX	0.1	CP	BDTV	-00000013
08	KSWK	LAKIN KS	281.2	CP	BDSTA	-20031027ABJ
08	KOBR	ROSWELL NM	281.8	CP MOD	BMPCDT	-20040923AFR
08	KWET	CHEYENNE OK	201.9	CP	BPEDT	-20000501AHF
08	KTSCDT	PUEBLO CO	409.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KWYP-TV	LARAMIE WY	BPET	-19921210KE

KTSC-DT Post-Transition Interference Analysis

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	174.1	CP MOD	BMPCDT	-20000421AAV
07	KDUH-TV	SCOTTSDLUFF NE	206.5	CP MOD	BMPCDT	-20030224AAW
08	KZSD-TV	MARTIN SD	398.8	CP	BDTV	-00000029
08	KCWC-TV	LANDER WY	305.9	CP	BDTV	-00000025
09	KUSA-TV	DENVER CO	174.1	CP MOD	BMPCDT	-20000501ADN
09	KFNR	RAWLINS WY	158.7	CP	BDTV	-00000041
08	KTSCDT	PUEBLO CO	332.7	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.
09	KUSA-TV	DENVER CO	BMPCDT	-20000501ADN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KWYP-TV	LARAMIE WY	174.1	CP	BPET	-19921210KE
09	KPNE-TV	NORTH PLATTE NE	373.9	CP	BDTV	-00000043
09	KFNR	RAWLINS WY	282.9	CP	BDTV	-00000041
10	KKTU	COLORADO SPRINGS CO	114.1	LIC	BLCDT	-20030512ADQ
10	KMAS-TV	STEAMBOAT SPRINGS CO	159.8	CP	BDSTA	-20020812ADD
08	KTSCDT	PUEBLO CO	161.7	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 7

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	161.7	CP MOD	BMPCDT	-20000421AAV
08	KSWK	LAKIN KS	307.6	CP	BDSTA	-20031027ABJ
08	KOFT	FARMINGTON NM	375.0	CP MOD	BMPCDT	-20041028AGN
08	KACV-TV	AMARILLO TX	409.4	LIC	BLEDT	-20040322ADV
08	KWYP-TV	LARAMIE WY	332.7	CP	BPET	-19921210KE
09	KUSA-TV	DENVER CO	161.7	CP MOD	BMPCDT	-20000501ADN

Total scenarios = 1

Result key: 1

KTSC-DT Post-Transition Interference Analysis

Scenario 1 Affected station 7
Before Analysis

Results for: 8A CO PUEBLO USERRECORD01 APP

HAAT 373.0 m, ATV ERP 2.5 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	706643	20696.8
not affected by terrain losses	701308	19591.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	141	68.6
lost to ATV IX only	141	68.6
lost to all IX	141	68.6

Potential Interfering Stations Included in above Scenario 1

8A KS LAKIN	BDSTA	20031027ABJ	CP
9A CO DENVER	BMPCDT	20000501ADN	CP

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