

KVIA-DT, El Paso, TX, OET-69 Interference Analysis

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-26-2009

Record Selected for Analysis

KVIADT USERRECORD-01 EL PASO TX US
Channel 07 ERP 55. kW HAAT 577. m RCAMSL 01818 m
Latitude 031-48-18 Longitude 0106-28-58
Status APP Zone 2 Border
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 does not meet maximum height/power limits
Channel 7 ERP = 55.00 HAAT = 577.

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	55.000	279.6	105.0
45.0	55.000	619.5	130.9
90.0	55.000	620.9	131.0
135.0	55.000	692.2	133.9
180.0	55.000	642.7	132.0
225.0	55.000	550.0	125.7
270.0	55.000	630.7	131.5
315.0	55.000	579.1	128.2

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 = 4.4km

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
07	KVIADT	EL PASO TX	USERRECORD01

KVIA-DT, El Paso, TX, OET-69 Interference Analysis

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	379.0	CP	BPCDT	-20080317AEH
07	KOAT-TV	ALBUQUERQUE NM	379.0	PLN	DTVPLN	-DTVP0082
07	KOSA-TV	ODESSA TX	368.8	CP MOD	BMPCDT	-20080620AJT
07	KOSA-TV	ODESSA TX	368.8	PLN	DTVPLN	-DTVP0102

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	BPCDT	-20080317AEH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KVII-TV	AMARILLO TX	414.8	CP	BPCDT	-20080317AGO
07	KVII-TV	AMARILLO TX	414.7	PLN	DTVPLN	-DTVP0099
07	KVIA-TV	EL PASO TX	379.0	PLN	DTVPLN	-DTVP0101
08	KOFT	FARMINGTON NM	227.8	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	227.8	PLN	DTVPLN	-DTVP0147
08	KNMD-DR	SANTA FE NM	0.3	APP	BPRM	-20090615AFZ
08	KNMD-TV	SANTA FE NM	0.3	PLN	DTVPLN	-DTVP0149
08	KNMD-TV	SANTA FE NM	0.3	APP	BPEDT	-20090827ACA
07	KVIADT	EL PASO TX	379.0	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
 Scenario 1 Affected station 1
 Before Analysis

Results for: 7A NM ALBUQUERQUE BPCDT 20080317AEH CP
 HAAT 1292.0 m, ATV ERP 26.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	981627	58288.3
not affected by terrain losses	958594	54302.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17	48.0
lost to ATV IX only	17	48.0
lost to all IX	17	48.0

Potential Interfering Stations Included in above Scenario 1

7A TX EL PASO DTVPLN DTVP0101 PLN

After Analysis

Results for: 7A NM ALBUQUERQUE BPCDT 20080317AEH CP
 HAAT 1292.0 m, ATV ERP 26.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	981627	58288.3
not affected by terrain losses	958594	54302.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17	131.9
lost to ATV IX only	17	131.9
lost to all IX	17	131.9

Potential Interfering Stations Included in above Scenario 1

7A TX EL PASO USERRECORD01 APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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KVIA-DT, El Paso, TX, OET-69 Interference Analysis

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	DTVPLN	-DTVP0082

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KVII-TV	AMARILLO TX	414.8	CP	BPCDT	-20080317AGO
07	KVII-TV	AMARILLO TX	414.7	PLN	DTVPLN	-DTVP0099
07	KVIA-TV	EL PASO TX	379.0	PLN	DTVPLN	-DTVP0101
08	KOFT	FARMINGTON NM	227.8	CP MOD	BMPCDT	-20041028AGN
08	KOFT	FARMINGTON NM	227.8	PLN	DTVPLN	-DTVP0147
08	KNMD-DR	SANTA FE NM	0.3	APP	BPRM	-20090615AFZ
08	KNMD-TV	SANTA FE NM	0.3	PLN	DTVPLN	-DTVP0149
08	KNMD-TV	SANTA FE NM	0.3	APP	BPEDT	-20090827ACA
07	KVIADT	EL PASO TX	379.0	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.
07	KOSA-TV	ODESSA TX	BMPCDT	-20080620AJT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KVII-TV	AMARILLO TX	395.5	CP	BPCDT	-20080317AGO
07	KVII-TV	AMARILLO TX	395.5	PLN	DTVPLN	-DTVP0099
07	KVIA-TV	EL PASO TX	368.8	PLN	DTVPLN	-DTVP0101
08	KOBR	ROSWELL NM	201.7	CP MOD	BMPCDT	-20080618AAA
08	KOBR	ROSWELL NM	201.7	PLN	DTVPLN	-DTVP0148
07	KVIADT	EL PASO TX	368.8	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.
07	KOSA-TV	ODESSA TX	DTVPLN	-DTVP0102

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KVII-TV	AMARILLO TX	395.5	CP	BPCDT	-20080317AGO
07	KVII-TV	AMARILLO TX	395.5	PLN	DTVPLN	-DTVP0099
07	KVIA-TV	EL PASO TX	368.8	PLN	DTVPLN	-DTVP0101
08	KOBR	ROSWELL NM	201.7	CP MOD	BMPCDT	-20080618AAA
08	KOBR	ROSWELL NM	201.7	PLN	DTVPLN	-DTVP0148
07	KVIADT	EL PASO TX	368.8	APP	USERRECORD-01	

Total scenarios = 1

Result key:

2

Scenario 1 Affected station

4

Before Analysis

Results for: 7A TX ODESSA

DTVPLN

DTVP0102

PLN

HAAT 226.0 m, ATV ERP 13.1 kW

POPULATION

AREA (sq km)

within Noise Limited Contour

286009

25661.8

not affected by terrain losses

283743

25229.8

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lost to NTSC IX	0	0.0
lost to additional IX by ATV	44	32.0
lost to ATV IX only	44	32.0
lost to all IX	44	32.0

Potential Interfering Stations Included in above Scenario 1

7A TX EL PASO DTVPLN DTVP0101 PLN

After Analysis

Results for: 7A TX ODESSA DTVPLN DTVP0102 PLN
HAAT 226.0 m, ATV ERP 13.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	286009	25661.8
not affected by terrain losses	283743	25229.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	254	40.0
lost to ATV IX only	254	40.0
lost to all IX	254	40.0

Potential Interfering Stations Included in above Scenario 1

7A TX EL PASO USERRECORD01 APP

Percent new IX = 0.0740%

Worst case new IX 0.0740% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	KVIADT	EL PASO TX	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KOAT-TV	ALBUQUERQUE NM	379.0	CP	BPCDT -20080317AEH
07	KOAT-TV	ALBUQUERQUE NM	379.0	PLN	DTVPLN -DTVP0082
07	KOSA-TV	ODESSA TX	368.8	CP MOD	BMPCDT -20080620AJT
07	KOSA-TV	ODESSA TX	368.8	PLN	DTVPLN -DTVP0102

Total scenarios = 1

Result key:

Scenario 1 Affected station 5
Before Analysis

Results for: 7A TX EL PASO USERRECORD01 APP
HAAT 577.0 m, ATV ERP 55.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	874513	51236.3
not affected by terrain losses	856338	46969.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3	184.3
lost to ATV IX only	3	184.3
lost to all IX	3	184.3

Potential Interfering Stations Included in above Scenario 1

7A TX ODESSA BMPCDT 20080620AJT CP

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