

# KLAX-DT, Alexandria, LA, 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

Record Selected for Analysis

KLAXDT USERRECORD-01 ALEXANDRIA LA US  
Channel 31 ERP 200. kW HAAT 332. m RCAMSL 00382 m  
Latitude 031-33-54 Longitude 0092-33-00  
Status APP Zone 3 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 meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	200.000	315.0	84.6
45.0	200.000	329.0	86.3
90.0	200.000	335.1	87.0
135.0	200.000	319.2	85.1
180.0	200.000	332.6	86.7
225.0	200.000	341.5	87.6
270.0	200.000	341.9	87.7
315.0	200.000	342.1	87.7

## Evaluation toward Class A Stations

Contour overlap to Class A station

KAGN-LP 31 CROWLEY LA BLTTA 20030911ABS

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

# KLAX-DT, Alexandria, LA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

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## Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
31	KLAXDT	ALEXANDRIA LA	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KVHP	LAKE CHARLES LA	172.2	CP	BPCDT	-19990714LD
30	KVHP	LAKE CHARLES LA	172.2	PLN	DTVPLN	-DTVP1109
31	KAGN-LP	CROWLEY LA	139.1	LIC	BLTTA	-20030911ABS
31	WLAE-TV	NEW ORLEANS LA	304.1	CP MOD	BMPEDT	-20080312ACH
31	WLAE-TV	NEW ORLEANS LA	304.1	PLN	DTVPLN	-DTVP1145
31	WGBC	MERIDIAN MS	373.6	CP MOD	BMPEDT	-20070522AAR
31	WGBC	MERIDIAN MS	373.6	PLN	DTVPLN	-DTVP1151
31	KFXK	LONGVIEW TX	239.3	LIC	BLCDT	-20060705AAW
31	KFXK	LONGVIEW TX	239.3	PLN	DTVPLN	-DTVP1162

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## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	KVHP	LAKE CHARLES LA	BPCDT	-19990714LD

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KMPX	DECATUR TX	410.7	LIC	BLCDT	-20060317AGE
30	KMPX	DECATUR TX	410.7	PLN	DTVPLN	-DTVP1122
31	KLAX-TV	ALEXANDRIA LA	172.2	PLN	DTVPLN	-DTVP1144
31	KLAXDT	ALEXANDRIA LA	172.2	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.
30	KVHP	LAKE CHARLES LA	DTVPLN	-DTVP1109

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KMPX	DECATUR TX	410.7	LIC	BLCDT	-20060317AGE
30	KMPX	DECATUR TX	410.7	PLN	DTVPLN	-DTVP1122
31	KLAX-TV	ALEXANDRIA LA	172.2	PLN	DTVPLN	-DTVP1144
31	KLAXDT	ALEXANDRIA LA	172.2	APP	USERRECORD-01	

Proposal causes no interference

# KLAX-DT, Alexandria, LA, 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.
31	KAGN-LP	CROWLEY LA	BLTTA -20030911ABS

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	KLPB-TV	LAFAYETTE LA	9.1	LIC	BLEDT -20031117ACC
23	KLPB-TV	LAFAYETTE LA	9.1	PLN	DTVPLN -DTVP0848
24	KLPB-TV	LAFAYETTE LA	30.9	LIC	BLET -19810429KG
28	KATC	LAFAYETTE LA	8.4	CP MOD	BMPCDT -20060906AAW
28	KATC	LAFAYETTE LA	8.4	PLN	DTVPLN -DTVP1039
30	KVHP	LAKE CHARLES LA	115.1	CP	BPCDT -19990714LD
30	KVHP	LAKE CHARLES LA	115.1	PLN	DTVPLN -DTVP1109
31	KLAX-TV	ALEXANDRIA LA	139.1	LIC	BLCT -19890705KG
31	KLAX-TV	ALEXANDRIA LA	139.1	PLN	DTVPLN -DTVP1144
31	WLAE-TV	NEW ORLEANS LA	236.1	CP MOD	BMPEDT -20080312ACH
31	WLAE-TV	NEW ORLEANS LA	236.1	PLN	DTVPLN -DTVP1145
31	KFXK	LONGVIEW TX	325.7	LIC	BLCDT -20060705AAW
31	KFXK	LONGVIEW TX	325.7	PLN	DTVPLN -DTVP1162
34	WVLA	BATON ROUGE LA	105.6	LIC	BLCDT -20051221AOO
34	WVLA	BATON ROUGE LA	105.6	PLN	DTVPLN -DTVP1253
35	KALB-TV	ALEXANDRIA LA	80.3	CP	BPCDT -19991025ACQ
35	KALB-TV	ALEXANDRIA LA	80.3	PLN	DTVPLN -DTVP1293
45	WGMB	BATON ROUGE LA	105.6	LIC	BLCDT -20060103ACW
45	WGMB	BATON ROUGE LA	105.6	PLN	DTVPLN -DTVP1615
46	KLAF-LP	LAFAYETTE LA	30.8	LIC	BLTT -19970515JC
31	KLAXDT	ALEXANDRIA LA	139.1	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.
31	WLAE-TV	NEW ORLEANS LA	BMPEDT -20080312ACH

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WSRE	PENSACOLA FL	235.6	LIC	BLEDT -20060621AAS
31	WSRE	PENSACOLA FL	235.7	PLN	DTVPLN -DTVP1138
31	KLAX-TV	ALEXANDRIA LA	304.1	PLN	DTVPLN -DTVP1144
31	WGBC	MERIDIAN MS	286.9	CP MOD	BMPCDT -20070522AAR
31	WGBC	MERIDIAN MS	286.9	PLN	DTVPLN -DTVP1151
31	KLAXDT	ALEXANDRIA LA	304.1	APP	USERRECORD-01

Proposal causes no interference

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# KLAX-DT, Alexandria, LA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

## Analysis of Interference to Affected Station 5

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WLAE-TV	NEW ORLEANS LA	DTVPLN	-DTVP1145

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
31	WSRE	PENSACOLA FL	235.6	LIC	BLEDT	-20060621AAS
31	WSRE	PENSACOLA FL	235.7	PLN	DTVPLN	-DTVP1138
31	KLAX-TV	ALEXANDRIA LA	304.1	PLN	DTVPLN	-DTVP1144
31	WGBC	MERIDIAN MS	286.9	CP MOD	BMPCDT	-20070522AAR
31	WGBC	MERIDIAN MS	286.9	PLN	DTVPLN	-DTVP1151
31	KLAXDT	ALEXANDRIA LA	304.1	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.
31	WGBC	MERIDIAN MS	BMPCDT	-20070522AAR

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WIAT	BIRMINGHAM AL	217.9	LIC	BLCDT	-20021219AAV
30	WIAT	BIRMINGHAM AL	217.9	PLN	DTVPLN	-DTVP1098
31	WSRE	PENSACOLA FL	216.7	LIC	BLEDT	-20060621AAS
31	WSRE	PENSACOLA FL	216.7	PLN	DTVPLN	-DTVP1138
31	KLAX-TV	ALEXANDRIA LA	373.6	PLN	DTVPLN	-DTVP1144
31	WLAE-TV	NEW ORLEANS LA	286.9	CP MOD	BMPEDT	-20080312ACH
31	WLAE-TV	NEW ORLEANS LA	286.9	PLN	DTVPLN	-DTVP1145
31	WLMT	MEMPHIS TN	342.7	LIC	BLCDT	-20050427ABN
31	WLMT	MEMPHIS TN	342.7	PLN	DTVPLN	-DTVP1159
32	WNCF	MONTGOMERY AL	184.2	PLN	DTVPLN	-DTVP1167
32	WABG-TV	GREENWOOD MS	208.0	LIC	BLCDT	-20051024ABR
32	WABG-TV	GREENWOOD MS	208.0	PLN	DTVPLN	-DTVP1185
31	KLAXDT	ALEXANDRIA LA	373.6	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.
31	WGBC	MERIDIAN MS	DTVPLN	-DTVP1151

### Stations Potentially Affecting This Station

# KLAX-DT, Alexandria, LA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WIAT	BIRMINGHAM AL	217.9	LIC	BLCDT	-20021219AAV
30	WIAT	BIRMINGHAM AL	217.9	PLN	DTVPLN	-DTVP1098
31	WSRE	PENSACOLA FL	216.7	LIC	BLEDT	-20060621AAS
31	WSRE	PENSACOLA FL	216.7	PLN	DTVPLN	-DTVP1138
31	KLAX-TV	ALEXANDRIA LA	373.6	PLN	DTVPLN	-DTVP1144
31	WLAE-TV	NEW ORLEANS LA	286.9	CP MOD	BMPEDT	-20080312ACH
31	WLAE-TV	NEW ORLEANS LA	286.9	PLN	DTVPLN	-DTVP1145
31	WLMT	MEMPHIS TN	342.7	LIC	BLCDT	-20050427ABN
31	WLMT	MEMPHIS TN	342.7	PLN	DTVPLN	-DTVP1159
32	WNCF	MONTGOMERY AL	184.2	PLN	DTVPLN	-DTVP1167
32	WABG-TV	GREENWOOD MS	208.0	LIC	BLCDT	-20051024ABR
32	WABG-TV	GREENWOOD MS	208.0	PLN	DTVPLN	-DTVP1185
31	KLAXDT	ALEXANDRIA LA	373.6	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.
31	KFXK	LONGVIEW TX	BLCDT	-20060705AAW

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KMPX	DECATUR TX	192.8	LIC	BLCDT	-20060317AGE
30	KMPX	DECATUR TX	192.8	PLN	DTVPLN	-DTVP1122
31	KLAX-TV	ALEXANDRIA LA	239.3	PLN	DTVPLN	-DTVP1144
31	KOET	EUFULA OK	327.0	LIC	BLEDT	-20060601BJT
31	KOET	EUFULA OK	327.0	PLN	DTVPLN	-DTVP1156
32	KDAF	DALLAS TX	191.1	LIC	BLCDT	-20010606ABJ
32	KDAF	DALLAS TX	191.1	PLN	DTVPLN	-DTVP1198
31	KLAXDT	ALEXANDRIA LA	239.3	APP	USERRECORD-01	

Total scenarios = 8

Result key: 1

Scenario 1 Affected station 8

Before Analysis

Results for: 31A TX LONGVIEW BLCDT 20060705AAW LIC

HAAT 361.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	828532	30110.9
not affected by terrain losses	824509	29876.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3592	217.9
lost to ATV IX only	3592	217.9
lost to all IX	3592	217.9

Potential Interfering Stations Included in above Scenario 1

30A TX DECATUR BLCDT 20060317AGE LIC

# KLAX-DT, Alexandria, LA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

31A OK EUFAULA	BLEDT	20060601BJT	LIC
32A TX DALLAS	BLCDT	20010606ABJ	LIC
31A LA ALEXANDRIA	DTVPLN	DTVP1144	PLN

After Analysis

Results for: 31A TX LONGVIEW                      BLCDT              20060705AAW    LIC  
HAAT 361.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	828532	30110.9
not affected by terrain losses	824509	29876.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6858	290.5
lost to ATV IX only	6858	290.5
lost to all IX	6858	290.5

Potential Interfering Stations Included in above Scenario              1

30A TX DECATUR	BLCDT	20060317AGE	LIC
31A OK EUFAULA	BLEDT	20060601BJT	LIC
32A TX DALLAS	BLCDT	20010606ABJ	LIC
31A LA ALEXANDRIA	USERRECORD01		APP

Percent new IX =              0.3978%

Worst case new IX              0.3978% Scenario              1

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Analysis of Interference to Affected Station              9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	KFXK	LONGVIEW TX	DTVPLN	-DTVP1162

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	KMPX	DECATUR TX	192.8	LIC	BLCDT	-20060317AGE
30	KMPX	DECATUR TX	192.8	PLN	DTVPLN	-DTVP1122
31	KLAX-TV	ALEXANDRIA LA	239.3	PLN	DTVPLN	-DTVP1144
31	KOET	EUFAULA OK	327.0	LIC	BLEDT	-20060601BJT
31	KOET	EUFAULA OK	327.0	PLN	DTVPLN	-DTVP1156
32	KDAF	DALLAS TX	191.1	LIC	BLCDT	-20010606ABJ
32	KDAF	DALLAS TX	191.1	PLN	DTVPLN	-DTVP1198
31	KLAXDT	ALEXANDRIA LA	239.3	APP	USERRECORD-01	

Total scenarios =              8

Result key:              9

Scenario              1    Affected station              9

Before Analysis

Results for: 31A TX LONGVIEW                      DTVPLN              DTVP1162              PLN  
HAAT 361.0 m, ATV ERP 1000.0 kW

POPULATION	AREA (sq km)
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# KLAX-DT, Alexandria, LA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

within Noise Limited Contour	829512	30167.4
not affected by terrain losses	825460	29917.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4460	205.8
lost to ATV IX only	4460	205.8
lost to all IX	4460	205.8

Potential Interfering Stations Included in above Scenario 1

30A TX DECATUR	BLCDT	20060317AGE	LIC
31A OK EUFAULA	BLEDT	20060601BJT	LIC
32A TX DALLAS	BLCDT	20010606ABJ	LIC
31A LA ALEXANDRIA	DTVPLN	DTVP1144	PLN

After Analysis

Results for: 31A TX LONGVIEW DTVP1162 PLN  
HAAT 361.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	829512	30167.4
not affected by terrain losses	825460	29917.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6018	302.6
lost to ATV IX only	6018	302.6
lost to all IX	6018	302.6

Potential Interfering Stations Included in above Scenario 1

30A TX DECATUR	BLCDT	20060317AGE	LIC
31A OK EUFAULA	BLEDT	20060601BJT	LIC
32A TX DALLAS	BLCDT	20010606ABJ	LIC
31A LA ALEXANDRIA	USERRECORD01		APP

Percent new IX = 0.1898%

Worst case new IX 0.1898% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	KLAXDT	ALEXANDRIA LA	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	KVHP	LAKE CHARLES LA	172.2	CP	BPCDT -19990714LD
30	KVHP	LAKE CHARLES LA	172.2	PLN	DTVPLN -DTVP1109
31	WLAE-TV	NEW ORLEANS LA	304.1	CP MOD	BMPEDT -20080312ACH
31	WLAE-TV	NEW ORLEANS LA	304.1	PLN	DTVPLN -DTVP1145
31	WGBC	MERIDIAN MS	373.6	CP MOD	BMPCDT -20070522AAR
31	WGBC	MERIDIAN MS	373.6	PLN	DTVPLN -DTVP1151
31	KFXK	LONGVIEW TX	239.3	LIC	BLCDT -20060705AAW
31	KFXK	LONGVIEW TX	239.3	PLN	DTVPLN -DTVP1162

# KLAX-DT, Alexandria, LA, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Total scenarios = 2

Result key: 17  
Scenario 1 Affected station 10  
Before Analysis

Results for: 31A LA ALEXANDRIA USERRECORD01 APP  
HAAT 332.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	359143	24169.0
not affected by terrain losses	358651	24132.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2504	92.3
lost to ATV IX only	2504	92.3
lost to all IX	2504	92.3

Potential Interfering Stations Included in above Scenario 1

31A TX LONGVIEW BLCDT 20060705AAW LIC

Result key: 18  
Scenario 2 Affected station 10  
Before Analysis

Results for: 31A LA ALEXANDRIA USERRECORD01 APP  
HAAT 332.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	359143	24169.0
not affected by terrain losses	358651	24132.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2504	92.3
lost to ATV IX only	2504	92.3
lost to all IX	2504	92.3

Potential Interfering Stations Included in above Scenario 2

31A TX LONGVIEW DTVPLN DTVPL162 PLN

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