

KFDM-DT, Beaumont, TX, 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: 04-29-2009

Record Selected for Analysis

KFDM-DT USERRECORD-01 BEAUMONT TX US
Channel 21 ERP 350. kW HAAT 274. m RCAMSL 00279 m
Latitude 030-08-24 Longitude 0093-58-44
Status APP Zone 3 Border
Dir Antenna Make CDB Model 00000000091369 Beam tilt N Ref Azimuth 270.
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	297.529	270.8	82.0
45.0	108.782	272.8	76.4
90.0	20.328	274.5	67.7
135.0	108.782	275.5	76.7
180.0	297.529	276.9	82.8
225.0	311.898	275.7	82.9
270.0	350.000	276.3	83.9
315.0	311.898	272.6	82.5

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
21	KFDM-DT	BEAUMONT TX	USERRECORD01

Stations Potentially Affected by Proposed Station

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

14	KFAM-LP	LAKE CHARLES LA	64.9	LIC	BLTTA	-20050509ACM
20	KLTL-TV	LAKE CHARLES LA	98.1	LIC	BLEDT	-20040914ABL
20	KLTL-TV	LAKE CHARLES LA	98.1	PLN	DTVPLN	-DTVP0722
20	KLTL-TV	LAKE CHARLES LA	98.1	APP	BPEDT	-20080619AGE
21	WBRL-CA	BATON ROUGE LA	260.3	LIC	BLTTA	-20030530ANC
21	WBRL-CA	BATON ROUGE LA	260.3	CP	BDFCDTA	-20080826ABW
21	KXKW-CA	LAFAYETTE LA	193.7	LIC	BLTTA	-20061003ABJ
21	KPXJ	MINDEN LA	283.0	LIC	BLCDT	-20050930AAL
21	KPXJ	MINDEN LA	283.0	PLN	DTVPLN	-DTVP0759
21	WHNO	NEW ORLEANS LA	381.3	LIC	BLCDT	-20050413AAK
21	WHNO	NEW ORLEANS LA	381.3	PLN	DTVPLN	-DTVP0760
21	WAPT	JACKSON MS	423.2	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	423.2	PLN	DTVPLN	-DTVP0765
21	KXAN-TV	AUSTIN TX	367.5	LIC	BLCDT	-20050630AAG
21	KXAN-TV	AUSTIN TX	367.5	PLN	DTVPLN	-DTVP0779
22	KDCG-LP	OPELOUSAS LA	185.9	CP MOD	BMPDTA	-20080804ABF
22	KDCG-LP	OPELOUSAS LA	185.9	APP	BMPDTA	-20090424ACW

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
14	KFAM-LP	LAKE CHARLES LA	BLTTA -20050509ACM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	KARD	WEST MONROE LA	234.2	LIC	BLCT -19861204KF
14	KETH-TV	HOUSTON TX	223.8	LIC	BLET -19870708KF
14	KIBN-LP	LUFKIN TX	188.3	APP	BSTA -20080626ABQ
14	KIBN-LP	LUFKIN TX	188.3	LIC	BLTTL -20090407AHW
14	KIBN-LP	LUFKIN TX	188.3	APP	BSTA -20070824AGV
14	960920LQ	TYLER TX	279.4	APP	BPCT -19960920LQ
15	KADN	LAFAYETTE LA	106.2	LIC	BLCT -19890313KI
16	KADN	LAFAYETTE LA	106.2	CP	BPCDT -19991101AHD
16	KADN	LAFAYETTE LA	106.2	PLN	DTVPLN -DTVP0564
18	KLTL-TV	LAKE CHARLES LA	35.4	LIC	BLET -19810508KF
21	KFDM-TV	BEAUMONT TX	64.9	PLN	DTVPLN -DTVP0780
28	KATC	LAFAYETTE LA	98.5	PLN	DTVPLN -DTVP1032
28	KATC	LAFAYETTE LA	98.5	CP MOD	BMPCDT -20060906AAW
21	KFDM-DT	BEAUMONT TX	64.9	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
20	KLTL-TV	LAKE CHARLES LA	BLEDT -20040914ABL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
20	WMPN-TV	JACKSON MS	317.1	PLN	DTVPLN -DTVP0727
20	WMPN-TV	JACKSON MS	317.1	CP	BPEDT -20000113AAH
20	KWBU-TV	WACO TX	427.0	PLN	DTVPLN -DTVP0737
20	KWBU-TV	WACO TX	427.0	LIC	BLEDT -20060622AAS
21	KFDM-TV	BEAUMONT TX	98.1	PLN	DTVPLN -DTVP0780
21	KFDM-DT	BEAUMONT TX	98.1	APP	USERRECORD-01

Total scenarios = 1

Result key:

Scenario	1	Affected station	2
Before Analysis			

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Results for: 20A LA LAKE CHARLES BLEDT 20040914ABL LIC
HAAT 299.0 m, ATV ERP 55.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	351469	16195.6
not affected by terrain losses	351469	16195.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 20A LA LAKE CHARLES BLEDT 20040914ABL LIC
HAAT 299.0 m, ATV ERP 55.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	351469	16195.6
not affected by terrain losses	351469	16195.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	62	88.2
lost to ATV IX only	62	88.2
lost to all IX	62	88.2

Potential Interfering Stations Included in above Scenario 1

21A TX BEAUMONT USERRECORD01 APP

Percent new IX = 0.0176%

Worst case new IX 0.0176% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KLTL-TV	LAKE CHARLES LA	DTVPLN	-DTVP0722

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WMPN-TV	JACKSON MS	317.1	PLN	DTVPLN	-DTVP0727
20	WMPN-TV	JACKSON MS	317.1	CP	BPEDT	-20000113AAH
20	KWBU-TV	WACO TX	427.0	PLN	DTVPLN	-DTVP0737
20	KWBU-TV	WACO TX	427.0	LIC	BLEDT	-20060622AAS
21	KFDM-TV	BEAUMONT TX	98.1	PLN	DTVPLN	-DTVP0780
21	KFDM-DT	BEAUMONT TX	98.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2
Scenario 1 Affected station 3
Before Analysis

Results for: 20A LA LAKE CHARLES DTVPLN DTVP0722 PLN
HAAT 299.0 m, ATV ERP 55.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	351469	16195.6
not affected by terrain losses	351469	16195.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Results for: 20A LA LAKE CHARLES DTVPLN DTVP0722 PLN
HAAT 299.0 m, ATV ERP 55.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	351469	16195.6
not affected by terrain losses	351469	16195.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	62	88.2
lost to ATV IX only	62	88.2
lost to all IX	62	88.2

Potential Interfering Stations Included in above Scenario 1

21A TX BEAUMONT USERRECORD01 APP

Percent new IX = 0.0176%

Worst case new IX 0.0176% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	KLTL-TV	LAKE CHARLES LA	BPEDT	-20080619AGE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WMPN-TV	JACKSON MS	317.1	PLN	DTVPLN	-DTVP0727
20	WMPN-TV	JACKSON MS	317.1	CP	BPEDT	-20000113AAH
20	KWBU-TV	WACO TX	427.0	PLN	DTVPLN	-DTVP0737
20	KWBU-TV	WACO TX	427.0	LIC	BLEDT	-20060622AAS
21	KFDM-TV	BEAUMONT TX	98.1	PLN	DTVPLN	-DTVP0780
21	KFDM-DT	BEAUMONT TX	98.1	APP	USERRECORD-01	

Total scenarios = 2

Result key:

Scenario 1 Affected station 4
Before Analysis

Results for: 20A LA LAKE CHARLES BPEDT 20080619AGE APP
HAAT 427.0 m, ATV ERP 75.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	473851	21829.7
not affected by terrain losses	473851	21829.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	66	16.0
lost to ATV IX only	66	16.0
lost to all IX	66	16.0

Potential Interfering Stations Included in above Scenario 1

20A MS JACKSON DTVPLN DTVP0727 PLN

After Analysis

Results for: 20A LA LAKE CHARLES BPEDT 20080619AGE APP
HAAT 427.0 m, ATV ERP 75.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	473851	21829.7
not affected by terrain losses	473851	21829.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	872	40.1
lost to ATV IX only	872	40.1
lost to all IX	872	40.1

Potential Interfering Stations Included in above Scenario 1

20A MS JACKSON DTVPLN DTVP0727 PLN

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

21A TX BEAUMONT USERRECORD01 APP

Percent new IX = 0.1701%

Worst case new IX 0.1701% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	WBRL-CA	BATON ROUGE LA	BLTTA -20030530ANC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	WMAU-TV	BUDE MS	126.7	CP MOD	BMPEDT -20090121AHA
18	WMAU-TV	BUDE MS	126.7	PLN	DTVPLN -DTVP0639
20	KZUP-CA	BATON ROUGE LA	0.0	APP	BDISDTA -20080910AAY
21	WMPV-TV	MOBILE AL	357.8	CP	BPCT -20010905AAD
21	K21EL	ALEXANDRIA LA	153.1	CP	BP TTL -20080411AED
21	KXKW-CA	LAFAYETTE LA	67.1	LIC	BLTTA -20061003ABJ
21	KPXJ	MINDEN LA	363.5	LIC	BLCDT -20050930AAL
21	KPXJ	MINDEN LA	363.5	PLN	DTVPLN -DTVP0759
21	KPXJ	MINDEN LA	334.7	LIC	BLCT -19980915KE
21	WHNO	NEW ORLEANS LA	128.6	LIC	BLCDT -20050413AAK
21	WHNO	NEW ORLEANS LA	128.6	PLN	DTVPLN -DTVP0760
21	WAPT	JACKSON MS	236.2	CP	BPCDT -19990915ATM
21	WAPT	JACKSON MS	236.2	PLN	DTVPLN -DTVP0765
21	KFDM-TV	BEAUMONT TX	260.3	PLN	DTVPLN -DTVP0780
21	960724LH	BEAUMONT TX	257.6	APP	BPCT -19960724LH
23	KLPB-TV	LAFAYETTE LA	96.5	LIC	BLEDT -20031117ACC
23	KLPB-TV	LAFAYETTE LA	96.5	PLN	DTVPLN -DTVP0841
24	KLPB-TV	LAFAYETTE LA	109.7	LIC	BLET -19810429KG
24	WUPL	SLIDELL LA	128.6	LIC	BLCDT -20040812AAA
24	WUPL	SLIDELL LA	128.6	PLN	DTVPLN -DTVP0880
25	WLPB-TV	BATON ROUGE LA	8.7	CP MOD	BMPEDT -20081008ADB
25	WLPB-TV	BATON ROUGE LA	8.7	PLN	DTVPLN -DTVP0919
25	WLPB-TV	BATON ROUGE LA	8.7	LIC	BLEDT -20041020ADE
28	KATC	LAFAYETTE LA	97.2	PLN	DTVPLN -DTVP1032
28	KATC	LAFAYETTE LA	97.2	CP MOD	BMPCDT -20060906AAW
35	KALB-TV	ALEXANDRIA LA	140.8	PLN	DTVPLN -DTVP1290
35	KALB-TV	ALEXANDRIA LA	140.8	CP	BPCDT -20080814ADS
35	KALB-TV	ALEXANDRIA LA	140.8	APP	BMPCDT -20090407ABA
36	WWL-TV	NEW ORLEANS LA	127.8	LIC	BLCDT -20020506AAK
36	WWL-TV	NEW ORLEANS LA	127.8	PLN	DTVPLN -DTVP1326
36	WWL-TV	NEW ORLEANS LA	127.8	CP	BPCDT -20080617AEJ
21	KFDM-DT	BEAUMONT TX	260.3	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.
21	WBRL-CA	BATON ROUGE LA	BDFCDTA -20080826ABW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
20	KLTL-TV	LAKE CHARLES LA	165.5	LIC	BLEDT -20040914ABL
20	KLTL-TV	LAKE CHARLES LA	165.5	PLN	DTVPLN -DTVP0722
20	KLTL-TV	LAKE CHARLES LA	165.5	APP	BPEDT -20080619AGE
20	WMPN-TV	JACKSON MS	223.2	PLN	DTVPLN -DTVP0727
20	WMPN-TV	JACKSON MS	223.2	CP	BPEDT -20000113AAH
21	KPXJ	MINDEN LA	363.5	LIC	BLCDT -20050930AAL
21	KPXJ	MINDEN LA	363.5	PLN	DTVPLN -DTVP0759
21	WHNO	NEW ORLEANS LA	128.6	LIC	BLCDT -20050413AAK
21	WHNO	NEW ORLEANS LA	128.6	PLN	DTVPLN -DTVP0760

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

21	WAPT	JACKSON MS	236.2	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	236.2	PLN	DTVPLN	-DTVP0765
21	KFDM-TV	BEAUMONT TX	260.3	PLN	DTVPLN	-DTVP0780
22	WHLT	HATTIESBURG MS	228.6	CP MOD	BMPCDT	-20080619ACC
22	WHLT	HATTIESBURG MS	228.6	PLN	DTVPLN	-DTVP0806
21	KFDM-DT	BEAUMONT TX	260.3	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.
21	KXKW-CA	LAFAYETTE LA	BLTTA	-20061003ABJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	KLTL-TV	LAKE CHARLES LA	98.5	LIC	BLEDT	-20040914ABL
20	KLTL-TV	LAKE CHARLES LA	98.5	PLN	DTVPLN	-DTVP0722
20	KLTL-TV	LAKE CHARLES LA	98.5	APP	BPEDT	-20080619AGE
21	WBRL-CA	BATON ROUGE LA	67.1	LIC	BLTTA	-20030530ANC
21	WBRL-CA	BATON ROUGE LA	67.1	CP	BDFCDTA	-20080826ABW
21	KPXJ	MINDEN LA	319.8	LIC	BLCDT	-20050930AAL
21	KPXJ	MINDEN LA	319.8	PLN	DTVPLN	-DTVP0759
21	KPXJ	MINDEN LA	298.4	LIC	BLCT	-19980915KE
21	WHNO	NEW ORLEANS LA	193.3	LIC	BLCDT	-20050413AAK
21	WHNO	NEW ORLEANS LA	193.3	PLN	DTVPLN	-DTVP0760
21	WAPT	JACKSON MS	267.9	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	267.9	PLN	DTVPLN	-DTVP0765
21	KFDM-TV	BEAUMONT TX	193.7	PLN	DTVPLN	-DTVP0780
21	960724LH	BEAUMONT TX	191.0	APP	BPCT	-19960724LH
22	KDCG-LP	OPELOUSAS LA	20.6	CP MOD	BMPDTA	-20080804ABF
22	KDCG-LP	OPELOUSAS LA	20.6	LIC	BLTTL	-19941013JE
22	KDCG-LP	OPELOUSAS LA	20.6	APP	BMPDTA	-20090424ACW
23	KLPB-TV	LAFAYETTE LA	29.6	LIC	BLEDT	-20031117ACC
23	KLPB-TV	LAFAYETTE LA	29.6	PLN	DTVPLN	-DTVP0841
25	WLPB-TV	BATON ROUGE LA	74.0	CP MOD	BMPEDT	-20081008ADB
25	WLPB-TV	BATON ROUGE LA	74.0	PLN	DTVPLN	-DTVP0919
25	WLPB-TV	BATON ROUGE LA	74.0	LIC	BLEDT	-20041020ADE
28	KATC	LAFAYETTE LA	30.2	PLN	DTVPLN	-DTVP1032
28	KATC	LAFAYETTE LA	30.2	CP MOD	BMPCDT	-20060906AAW
35	KALB-TV	ALEXANDRIA LA	91.9	PLN	DTVPLN	-DTVP1290
35	KALB-TV	ALEXANDRIA LA	91.9	CP	BPCDT	-20080814ADS
35	KALB-TV	ALEXANDRIA LA	91.9	APP	BMPCDT	-20090407ABA
21	KFDM-DT	BEAUMONT TX	193.7	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.
21	KPXJ	MINDEN LA	BLCDT	-20050930AAL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	KHBS	FORT SMITH AR	273.9	PLN	DTVPLN	-DTVP0745
21	KHBS	FORT SMITH AR	273.9	LIC	BLCDT	-20031121AMR
21	WAPT	JACKSON MS	344.2	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	344.2	PLN	DTVPLN	-DTVP0765
21	KFDM-TV	BEAUMONT TX	283.0	PLN	DTVPLN	-DTVP0780
22	KETK-TV	JACKSONVILLE TX	147.0	LIC	BLCDT	-20060621AAF
22	KETK-TV	JACKSONVILLE TX	147.0	PLN	DTVPLN	-DTVP0821
21	KFDM-DT	BEAUMONT TX	283.0	APP	USERRECORD	-01

Total scenarios = 8

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Result key: 5
Scenario 1 Affected station 8
Before Analysis

Results for: 21A LA MINDEN BLCDT 20050930AAL LIC
HAAT 502.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	976574	37156.2
not affected by terrain losses	975543	37011.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	23497	767.6
lost to ATV IX only	23497	767.6
lost to all IX	23497	767.6

Potential Interfering Stations Included in above Scenario 1

21A AR FORT SMITH	DTVPLN	DTVP0745	PLN
21A MS JACKSON	BPCDT	19990915ATM	CP
22A TX JACKSONVILLE	BLCDT	20060621AAF	LIC
21A TX BEAUMONT	DTVPLN	DTVP0780	PLN

After Analysis

Results for: 21A LA MINDEN BLCDT 20050930AAL LIC
HAAT 502.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	976574	37156.2
not affected by terrain losses	975543	37011.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	23886	839.9
lost to ATV IX only	23886	839.9
lost to all IX	23886	839.9

Potential Interfering Stations Included in above Scenario 1

21A AR FORT SMITH	DTVPLN	DTVP0745	PLN
21A MS JACKSON	BPCDT	19990915ATM	CP
22A TX JACKSONVILLE	BLCDT	20060621AAF	LIC
21A TX BEAUMONT	USERRECORD01		APP

Percent new IX = 0.0409%

Worst case new IX 0.0409% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	KPXJ	MINDEN LA	DTVPLN -DTVP0759

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	KHBS	FORT SMITH AR	273.9	PLN	DTVPLN -DTVP0745
21	KHBS	FORT SMITH AR	273.9	LIC	BLCDT -20031121AMR
21	WAPT	JACKSON MS	344.2	CP	BPCDT -19990915ATM
21	WAPT	JACKSON MS	344.2	PLN	DTVPLN -DTVP0765
21	KFDM-TV	BEAUMONT TX	283.0	PLN	DTVPLN -DTVP0780
22	KETK-TV	JACKSONVILLE TX	147.0	LIC	BLCDT -20060621AAF
22	KETK-TV	JACKSONVILLE TX	147.0	PLN	DTVPLN -DTVP0821
21	KFDM-DT	BEAUMONT TX	283.0	APP	USERRECORD-01

Total scenarios = 8

Result key: 13
Scenario 1 Affected station 9
Before Analysis

Results for: 21A LA MINDEN DTVPLN DTVP0759 PLN

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

HAAT 502.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	976574	37156.2
not affected by terrain losses	975543	37011.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	23497	767.6
lost to ATV IX only	23497	767.6
lost to all IX	23497	767.6

Potential Interfering Stations Included in above Scenario 1

21A AR FORT SMITH	DTVPLN	DTVP0745	PLN
21A MS JACKSON	BPCDT	19990915ATM	CP
22A TX JACKSONVILLE	BLCDT	20060621AAF	LIC
21A TX BEAUMONT	DTVPLN	DTVP0780	PLN

After Analysis

Results for: 21A LA MINDEN DTVPLN DTVP0759 PLN

HAAT 502.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	976574	37156.2
not affected by terrain losses	975543	37011.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	23886	839.9
lost to ATV IX only	23886	839.9
lost to all IX	23886	839.9

Potential Interfering Stations Included in above Scenario 1

21A AR FORT SMITH	DTVPLN	DTVP0745	PLN
21A MS JACKSON	BPCDT	19990915ATM	CP
22A TX JACKSONVILLE	BLCDT	20060621AAF	LIC
21A TX BEAUMONT	USERRECORD01		APP

Percent new IX = 0.0409%

Worst case new IX 0.0409% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	WHNO	NEW ORLEANS LA	BLCDT -20050413AAK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WAPT	JACKSON MS	263.4	CP	BPCDT -19990915ATM
21	WAPT	JACKSON MS	263.4	PLN	DTVPLN -DTVP0765
21	KFDM-TV	BEAUMONT TX	381.3	PLN	DTVPLN -DTVP0780
22	WHLT	HATTIESBURG MS	181.5	CP MOD	BMPCDT -20080619ACC
22	WHLT	HATTIESBURG MS	181.5	PLN	DTVPLN -DTVP0806
21	KFDM-DT	BEAUMONT TX	381.3	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.
21	WHNO	NEW ORLEANS LA	DTVPLN -DTVP0760

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WAPT	JACKSON MS	263.4	CP	BPCDT -19990915ATM
21	WAPT	JACKSON MS	263.4	PLN	DTVPLN -DTVP0765

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

21	KFDM-TV	BEAUMONT TX	381.3	PLN	DTVPLN	-DTVP0780
22	WHLT	HATTIESBURG MS	181.5	CP MOD	BMPCDT	-20080619ACC
22	WHLT	HATTIESBURG MS	181.5	PLN	DTVPLN	-DTVP0806
21	KFDM-DT	BEAUMONT TX	381.3	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.
21	WAPT	JACKSON MS	BPCDT -19990915ATM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
20	WMPN-TV	JACKSON MS	14.2	PLN	DTVPLN -DTVP0727
20	WMPN-TV	JACKSON MS	14.2	CP	BPEDT -20000113AAH
21	KPXJ	MINDEN LA	344.2	LIC	BLCDT -20050930AAL
21	KPXJ	MINDEN LA	344.2	PLN	DTVPLN -DTVP0759
21	WHNO	NEW ORLEANS LA	263.4	LIC	BLCDT -20050413AAK
21	WHNO	NEW ORLEANS LA	263.4	PLN	DTVPLN -DTVP0760
21	KFDM-TV	BEAUMONT TX	423.2	PLN	DTVPLN -DTVP0780
22	WHLT	HATTIESBURG MS	139.2	CP MOD	BMPCDT -20080619ACC
22	WHLT	HATTIESBURG MS	139.2	PLN	DTVPLN -DTVP0806
21	KFDM-DT	BEAUMONT TX	423.2	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.
21	WAPT	JACKSON MS	DTVPLN -DTVP0765

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
20	WMPN-TV	JACKSON MS	14.2	PLN	DTVPLN -DTVP0727
20	WMPN-TV	JACKSON MS	14.2	CP	BPEDT -20000113AAH
21	KPXJ	MINDEN LA	344.2	LIC	BLCDT -20050930AAL
21	KPXJ	MINDEN LA	344.2	PLN	DTVPLN -DTVP0759
21	WHNO	NEW ORLEANS LA	263.4	LIC	BLCDT -20050413AAK
21	WHNO	NEW ORLEANS LA	263.4	PLN	DTVPLN -DTVP0760
21	KFDM-TV	BEAUMONT TX	423.2	PLN	DTVPLN -DTVP0780
22	WHLT	HATTIESBURG MS	139.2	CP MOD	BMPCDT -20080619ACC
22	WHLT	HATTIESBURG MS	139.2	PLN	DTVPLN -DTVP0806
21	KFDM-DT	BEAUMONT TX	423.2	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.
21	KXAN-TV	AUSTIN TX	BLCDT -20050630AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
20	KWBU-TV	WACO TX	118.9	PLN	DTVPLN -DTVP0737
20	KWBU-TV	WACO TX	118.9	LIC	BLEDT -20060622AAS
21	KFDM-TV	BEAUMONT TX	367.5	PLN	DTVPLN -DTVP0780
22	KLRU	AUSTIN TX	0.6	LIC	BLEDT -20040305ACK
22	KLRU	AUSTIN TX	0.6	PLN	DTVPLN -DTVP0820
21	KFDM-DT	BEAUMONT TX	367.5	APP	USERRECORD-01

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Total scenarios = 4

Result key: 21
Scenario 1 Affected station 14
Before Analysis

Results for: 21A TX AUSTIN BLCDT 20050630AAG LIC
HAAT 395.0 m, ATV ERP 700.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 1986601 35098.5
not affected by terrain losses 1928403 34344.2
lost to NTSC IX 0 0.0
lost to additional IX by ATV 33928 329.0
lost to ATV IX only 33928 329.0
lost to all IX 33928 329.0

Potential Interfering Stations Included in above Scenario 1

20A TX WACO DTVPLN DTVP0737 PLN
22A TX AUSTIN BLEDT 20040305ACK LIC

After Analysis

Results for: 21A TX AUSTIN BLCDT 20050630AAG LIC
HAAT 395.0 m, ATV ERP 700.0 kW
POPULATION AREA (sq km)
within Noise Limited Contour 1986601 35098.5
not affected by terrain losses 1928403 34344.2
lost to NTSC IX 0 0.0
lost to additional IX by ATV 33990 341.0
lost to ATV IX only 33990 341.0
lost to all IX 33990 341.0

Potential Interfering Stations Included in above Scenario 1

20A TX WACO DTVPLN DTVP0737 PLN
22A TX AUSTIN BLEDT 20040305ACK LIC
21A TX BEAUMONT USERRECORD01 APP

Percent new IX = 0.0033%

Worst case new IX 0.0033% Scenario 1

#####

Analysis of Interference to Affected Station 15

Analysis of current record
Channel Call City/State Application Ref. No.
21 KXAN-TV AUSTIN TX DTVPLN -DTVP0779

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	KWBU-TV	WACO TX	118.9	PLN	DTVPLN	-DTVP0737
20	KWBU-TV	WACO TX	118.9	LIC	BLEDT	-20060622AAS
21	KFDM-TV	BEAUMONT TX	367.5	PLN	DTVPLN	-DTVP0780
22	KLRU	AUSTIN TX	0.6	LIC	BLEDT	-20040305ACK
22	KLRU	AUSTIN TX	0.6	PLN	DTVPLN	-DTVP0820
21	KFDM-DT	BEAUMONT TX	367.5	APP	USERRECORD-01	

Total scenarios = 4

Result key: 25
Scenario 1 Affected station 15
Before Analysis

Results for: 21A TX AUSTIN DTVPLN DTVP0779 PLN
HAAT 395.0 m, ATV ERP 700.0 kW
POPULATION AREA (sq km)

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

within Noise Limited Contour	1986601	35098.5
not affected by terrain losses	1928403	34344.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	33928	329.0
lost to ATV IX only	33928	329.0
lost to all IX	33928	329.0

Potential Interfering Stations Included in above Scenario 1

20A TX WACO	DTVPLN	DTVP0737	PLN
22A TX AUSTIN	BLEDT	20040305ACK	LIC

After Analysis

Results for: 21A TX AUSTIN DTVPLN DTVP0779 PLN
HAAT 395.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1986601	35098.5
not affected by terrain losses	1928403	34344.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	33990	341.0
lost to ATV IX only	33990	341.0
lost to all IX	33990	341.0

Potential Interfering Stations Included in above Scenario 1

20A TX WACO	DTVPLN	DTVP0737	PLN
22A TX AUSTIN	BLEDT	20040305ACK	LIC
21A TX BEAUMONT	USERRECORD01		APP

Percent new IX = 0.0033%

Worst case new IX 0.0033% Scenario 1

#####

Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	KDCG-LP	OPELOUSAS LA	BMPDTA	-20080804ABF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WHNO	NEW ORLEANS LA	208.3	LIC	BLCDT	-20050413AAK
21	WHNO	NEW ORLEANS LA	208.3	PLN	DTVPLN	-DTVP0760
21	KFDM-TV	BEAUMONT TX	185.9	PLN	DTVPLN	-DTVP0780
22	WHLT	HATTIESBURG MS	289.7	CP MOD	BMPCDT	-20080619ACC
22	WHLT	HATTIESBURG MS	289.7	PLN	DTVPLN	-DTVP0806
22	KETK-TV	JACKSONVILLE TX	352.2	LIC	BLCDT	-20060621AAF
22	KETK-TV	JACKSONVILLE TX	352.2	PLN	DTVPLN	-DTVP0821
23	KLPB-TV	LAFAYETTE LA	27.3	LIC	BLEDT	-20031117ACC
23	KLPB-TV	LAFAYETTE LA	27.3	PLN	DTVPLN	-DTVP0841
21	KFDM-DT	BEAUMONT TX	185.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	KDCG-LP	OPELOUSAS LA	BMPDTA	-20090424ACW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WHNO	NEW ORLEANS LA	208.3	LIC	BLCDT	-20050413AAK

KFDM-DT, Beaumont, TX, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

21	WHNO	NEW ORLEANS	LA	208.3	PLN	DTVPLN	-DTVP0760
21	KFDM-TV	BEAUMONT	TX	185.9	PLN	DTVPLN	-DTVP0780
22	WHLT	HATTIESBURG	MS	289.7	CP MOD	BMPCDT	-20080619ACC
22	WHLT	HATTIESBURG	MS	289.7	PLN	DTVPLN	-DTVP0806
22	KETK-TV	JACKSONVILLE	TX	352.2	LIC	BLCDT	-20060621AAF
22	KETK-TV	JACKSONVILLE	TX	352.2	PLN	DTVPLN	-DTVP0821
23	KLPB-TV	LAFAYETTE	LA	27.3	LIC	BLEDT	-20031117ACC
23	KLPB-TV	LAFAYETTE	LA	27.3	PLN	DTVPLN	-DTVP0841
21	KFDM-DT	BEAUMONT	TX	185.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	KFDM-DT	BEAUMONT TX	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
20	KLTL-TV	LAKE CHARLES LA	98.1	LIC	BLEDT -20040914ABL
20	KLTL-TV	LAKE CHARLES LA	98.1	PLN	DTVPLN -DTVP0722
20	KLTL-TV	LAKE CHARLES LA	98.1	APP	BPEDT -20080619AGE
21	KPXJ	MINDEN LA	283.0	LIC	BLCDT -20050930AAL
21	KPXJ	MINDEN LA	283.0	PLN	DTVPLN -DTVP0759
21	WHNO	NEW ORLEANS LA	381.3	LIC	BLCDT -20050413AAK
21	WHNO	NEW ORLEANS LA	381.3	PLN	DTVPLN -DTVP0760
21	WAPT	JACKSON MS	423.2	CP	BPCDT -19990915ATM
21	WAPT	JACKSON MS	423.2	PLN	DTVPLN -DTVP0765
21	KXAN-TV	AUSTIN TX	367.5	LIC	BLCDT -20050630AAG
21	KXAN-TV	AUSTIN TX	367.5	PLN	DTVPLN -DTVP0779

Total scenarios = 2

Result key: 29

Scenario 1 Affected station 18

Before Analysis

Results for: 21A TX BEAUMONT USERRECORD01 APP
HAAT 274.0 m, ATV ERP 350.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	546649	21051.7
not affected by terrain losses	546649	21051.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	325	36.2
lost to ATV IX only	325	36.2
lost to all IX	325	36.2

Potential Interfering Stations Included in above Scenario 1

21A LA MINDEN BLCDT 20050930AAL LIC

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