

# 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

Record Selected for Analysis

KFDM DT    USERRECORD-01                      BEAUMONT                      TX US  
Channel 21 ERP 280.    kW    HAAT 271. m    RCAMSL 00276 m  
Latitude 030-08-24    Longitude 0093-58-44  
Status APP              Zone 3              Border  
Dir Antenna Make usr    Model 6T130                      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)	41.0 dBu F(50,90) (km)
0.0	280.000	267.8	81.3
45.0	175.856	269.8	78.8
90.0	212.419	271.5	80.1
135.0	258.855	272.5	81.3
180.0	158.341	273.9	78.6
225.0	256.438	272.7	81.3
270.0	215.356	273.3	80.3
315.0	174.085	269.6	78.8

## Evaluation toward Class A Stations

Contour overlap to Class A station

KLFT-LP    21 LAFAYETTE                      LA BLTTA                      20061003ABJ

## 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

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

Proposed station is OK toward AM broadcast stations

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## Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
21	KFDMDT	BEAUMONT TX	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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	-DTVP0726
21	WBRL-CA	BATON ROUGE LA	260.3	LIC	BLTTA	-20030530ANC
21	KLFT-LP	LAFAYETTE LA	193.7	LIC	BLTTA	-20061003ABJ
21	KPXJ	MINDEN LA	283.0	LIC	BLCDT	-20050930AAL
21	KPXJ	MINDEN LA	283.0	PLN	DTVPLN	-DTVP0765
21	WHNO	NEW ORLEANS LA	381.3	LIC	BLCDT	-20050413AAK
21	WHNO	NEW ORLEANS LA	381.3	PLN	DTVPLN	-DTVP0766
21	WAPT	JACKSON MS	423.2	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	423.2	PLN	DTVPLN	-DTVP0771
21	KXAN-TV	AUSTIN TX	367.5	LIC	BLCDT	-20050630AAG
21	KXAN-TV	AUSTIN TX	367.5	PLN	DTVPLN	-DTVP0785

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## 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	LIC	BLTTL	-20070309AHA
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	-DTVP0570
18	KLTL-TV	LAKE CHARLES LA	35.4	LIC	BLET	-19810508KF
21	KFDM-TV	BEAUMONT TX	64.9	PLN	DTVPLN	-DTVP0786
21	KFDM-TV	BEAUMONT TX	64.9	LIC	BLCDT	-20030122ADG
28	KATC	LAFAYETTE LA	98.5	CP MOD	BMPCDT	-20060906AAW
28	KATC	LAFAYETTE LA	98.5	PLN	DTVPLN	-DTVP1039
29	KVHP	LAKE CHARLES LA	26.6	LIC	BLCT	-19900406KL
29	KVHP	LAKE CHARLES LA	26.6	APP	BSTA	-20051104AAG
21	KFDMDT	BEAUMONT TX	64.9	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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

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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	CP	BPEDT	-20000113AAH
20	WMPN-TV	JACKSON MS	317.1	PLN	DTVPLN	-DTVP0731
20	KWBU-TV	WACO TX	427.0	LIC	BLEDT	-20060622AAS
20	KWBU-TV	WACO TX	427.0	PLN	DTVPLN	-DTVP0743
21	KFDM-TV	BEAUMONT TX	98.1	PLN	DTVPLN	-DTVP0786
21	KFDMDT	BEAUMONT TX	98.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 2  
Before 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	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	1613	112.2
lost to ATV IX only	1613	112.2
lost to all IX	1613	112.2

Potential Interfering Stations Included in above Scenario 1

21A TX BEAUMONT USERRECORD01 APP

Percent new IX = 0.4589%

Worst case new IX 0.4589% Scenario 1

# KFDM-DT, Beaumont, TX, 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.
20	KLTL-TV	LAKE CHARLES LA	DTVPLN	-DTVP0726

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WMPN-TV	JACKSON MS	317.1	CP	BPEDT	-20000113AAH
20	WMPN-TV	JACKSON MS	317.1	PLN	DTVPLN	-DTVP0731
20	KWBU-TV	WACO TX	427.0	LIC	BLEDT	-20060622AAS
20	KWBU-TV	WACO TX	427.0	PLN	DTVPLN	-DTVP0743
21	KFDM-TV	BEAUMONT TX	98.1	PLN	DTVPLN	-DTVP0786
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 DTVP0726 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

Results for: 20A LA LAKE CHARLES DTVPLN DTVP0726 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	1613	112.2
lost to ATV IX only	1613	112.2
lost to all IX	1613	112.2

Potential Interfering Stations Included in above Scenario 1

21A TX BEAUMONT USERRECORD01 APP

Percent new IX = 0.4589%

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

Worst case new IX 0.4589% Scenario 1

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## Analysis of Interference to Affected Station 4

### 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	BPEDT	-20000501AHS
18	WMAU-TV	BUDE MS	126.7	PLN	DTVPLN	-DTVP0643
20	WHNO	NEW ORLEANS LA	128.6	LIC	BLCT	-19941101KE
21	WMPV-TV	MOBILE AL	357.8	CP	BPCT	-20010905AAD
21	K21EL	ALEXANDRIA LA	153.1	CP	BPTTL	-20080411AED
21	KLFT-LP	LAFAYETTE LA	67.1	LIC	BLTTA	-20061003ABJ
21	KPXJ	MINDEN LA	363.5	LIC	BLCDT	-20050930AAL
21	KPXJ	MINDEN LA	363.5	PLN	DTVPLN	-DTVP0765
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	-DTVP0766
21	WAPT	JACKSON MS	236.2	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	236.2	PLN	DTVPLN	-DTVP0771
21	KFDM-TV	BEAUMONT TX	260.3	PLN	DTVPLN	-DTVP0786
21	KFDM-TV	BEAUMONT TX	260.3	LIC	BLCDT	-20030122ADG
23	KLPB-TV	LAFAYETTE LA	96.5	LIC	BLEDT	-20031117ACC
23	KLPB-TV	LAFAYETTE LA	96.5	PLN	DTVPLN	-DTVP0848
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	-DTVP0886
25	WLPB-TV	BATON ROUGE LA	8.7	LIC	BLEDT	-20041020ADE
25	WLPB-TV	BATON ROUGE LA	8.7	PLN	DTVPLN	-DTVP0925
28	KATC	LAFAYETTE LA	97.2	CP MOD	BMPCDT	-20060906AAW
28	KATC	LAFAYETTE LA	97.2	PLN	DTVPLN	-DTVP1039
35	KALB-TV	ALEXANDRIA LA	140.8	CP	BPCDT	-19991025ACQ
35	KALB-TV	ALEXANDRIA LA	140.8	PLN	DTVPLN	-DTVP1293
36	WWL-TV	NEW ORLEANS LA	127.8	PLN	DTVPLN	-DTVP1329
36	WWL-TV	NEW ORLEANS LA	127.8	LIC	BLCDT	-20020506AAK
21	KFDMDT	BEAUMONT TX	260.3	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.
21	KLFT-LP	LAFAYETTE LA	BLTTA	-20061003ABJ

### Stations Potentially Affecting This 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)

20	KLTL-TV	LAKE CHARLES LA	98.5	LIC	BLEDT	-20040914ABL
20	KLTL-TV	LAKE CHARLES LA	98.5	PLN	DTVPLN	-DTVP0726
21	WBRL-CA	BATON ROUGE LA	67.1	LIC	BLTTA	-20030530ANC
21	KPXJ	MINDEN LA	319.8	LIC	BLCDT	-20050930AAL
21	KPXJ	MINDEN LA	319.8	PLN	DTVPLN	-DTVP0765
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	-DTVP0766
21	WAPT	JACKSON MS	267.9	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	267.9	PLN	DTVPLN	-DTVP0771
21	KFDM-TV	BEAUMONT TX	193.7	PLN	DTVPLN	-DTVP0786
21	KFDM-TV	BEAUMONT TX	193.7	LIC	BLCDT	-20030122ADG
22	KDCG-LP	OPELOUSAS LA	20.6	LIC	BLTTL	-19941013JE
23	KLPB-TV	LAFAYETTE LA	29.6	LIC	BLEDT	-20031117ACC
23	KLPB-TV	LAFAYETTE LA	29.6	PLN	DTVPLN	-DTVP0848
25	WLPB-TV	BATON ROUGE LA	74.0	LIC	BLEDT	-20041020ADE
25	WLPB-TV	BATON ROUGE LA	74.0	PLN	DTVPLN	-DTVP0925
28	KATC	LAFAYETTE LA	30.2	CP MOD	BMPCDT	-20060906AAW
28	KATC	LAFAYETTE LA	30.2	PLN	DTVPLN	-DTVP1039
35	KALB-TV	ALEXANDRIA LA	91.9	CP	BPCDT	-19991025ACQ
35	KALB-TV	ALEXANDRIA LA	91.9	PLN	DTVPLN	-DTVP1293
21	KFDMDT	BEAUMONT TX	193.7	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.
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	LIC	BLCDT	-20031121AMR
21	KHBS	FORT SMITH AR	273.9	PLN	DTVPLN	-DTVP0751
21	WAPT	JACKSON MS	344.2	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	344.2	PLN	DTVPLN	-DTVP0771
21	KFDM-TV	BEAUMONT TX	283.0	PLN	DTVPLN	-DTVP0786
22	KETK-TV	JACKSONVILLE TX	147.0	LIC	BLCDT	-20060621AAF
22	KETK-TV	JACKSONVILLE TX	147.0	PLN	DTVPLN	-DTVP0826
21	KFDMDT	BEAUMONT TX	283.0	APP	USERRECORD-01	

Total scenarios = 8

Result key:

3

Scenario 1 Affected station

6

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

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

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	BLCDT	20031121AMR	LIC
21A MS JACKSON	BPCDT	19990915ATM	CP
22A TX JACKSONVILLE	BLCDT	20060621AAF	LIC
21A TX BEAUMONT	DTVPLN	DTVP0786	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	23854	839.9
lost to ATV IX only	23854	839.9
lost to all IX	23854	839.9

Potential Interfering Stations Included in above Scenario 1

21A AR FORT SMITH	BLCDT	20031121AMR	LIC
21A MS JACKSON	BPCDT	19990915ATM	CP
22A TX JACKSONVILLE	BLCDT	20060621AAF	LIC
21A TX BEAUMONT	USERRECORD01		APP

Percent new IX = 0.0375%

Worst case new IX 0.0375% Scenario 1

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## Analysis of Interference to Affected Station 7

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	KPXJ	MINDEN LA	DTVPLN	-DTVP0765

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	KHBS	FORT SMITH AR	273.9	LIC	BLCDT	-20031121AMR
21	KHBS	FORT SMITH AR	273.9	PLN	DTVPLN	-DTVP0751
21	WAPT	JACKSON MS	344.2	CP	BPCDT	-19990915ATM
21	WAPT	JACKSON MS	344.2	PLN	DTVPLN	-DTVP0771
21	KFDM-TV	BEAUMONT TX	283.0	PLN	DTVPLN	-DTVP0786
22	KETK-TV	JACKSONVILLE TX	147.0	LIC	BLCDT	-20060621AAF
22	KETK-TV	JACKSONVILLE TX	147.0	PLN	DTVPLN	-DTVP0826
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: 11  
Scenario 1 Affected station 7  
Before Analysis

Results for: 21A LA MINDEN DTVPLN DTVP0765 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	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	BLCDT	20031121AMR	LIC
21A MS JACKSON	BPCDT	19990915ATM	CP
22A TX JACKSONVILLE	BLCDT	20060621AAF	LIC
21A TX BEAUMONT	DTVPLN	DTVP0786	PLN

After Analysis

Results for: 21A LA MINDEN DTVPLN DTVP0765 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	23854	839.9
lost to ATV IX only	23854	839.9
lost to all IX	23854	839.9

Potential Interfering Stations Included in above Scenario 1

21A AR FORT SMITH	BLCDT	20031121AMR	LIC
21A MS JACKSON	BPCDT	19990915ATM	CP
22A TX JACKSONVILLE	BLCDT	20060621AAF	LIC
21A TX BEAUMONT	USERRECORD01		APP

Percent new IX = 0.0375%

Worst case new IX 0.0375% Scenario 1

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Analysis of Interference to Affected Station 8

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	-DTVP0771



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

21	KFDM-TV	BEAUMONT TX	381.3	PLN	DTVPLN	-DTVP0786
22	WHLT	HATTIESBURG MS	181.5	PLN	DTVPLN	-DTVP0811
22	WHLT	HATTIESBURG MS	181.5	CP MOD	BMPCDT	-20080410AAZ
21	KFDMDT	BEAUMONT TX	381.3	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.
21	WHNO	NEW ORLEANS LA	DTVPLN	-DTVP0766

### 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	-DTVP0771
21	KFDM-TV	BEAUMONT TX	381.3	PLN	DTVPLN	-DTVP0786
22	WHLT	HATTIESBURG MS	181.5	PLN	DTVPLN	-DTVP0811
22	WHLT	HATTIESBURG MS	181.5	CP MOD	BMPCDT	-20080410AAZ
21	KFDMDT	BEAUMONT TX	381.3	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.
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	CP	BPEDT	-20000113AAH
20	WMPN-TV	JACKSON MS	14.2	PLN	DTVPLN	-DTVP0731
21	KPXJ	MINDEN LA	344.2	LIC	BLCDT	-20050930AAL
21	KPXJ	MINDEN LA	344.2	PLN	DTVPLN	-DTVP0765
21	WHNO	NEW ORLEANS LA	263.4	LIC	BLCDT	-20050413AAK
21	WHNO	NEW ORLEANS LA	263.4	PLN	DTVPLN	-DTVP0766
21	KFDM-TV	BEAUMONT TX	423.2	PLN	DTVPLN	-DTVP0786
22	WHLT	HATTIESBURG MS	139.2	PLN	DTVPLN	-DTVP0811
22	WHLT	HATTIESBURG MS	139.2	CP MOD	BMPCDT	-20080410AAZ
21	KFDMDT	BEAUMONT TX	423.2	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 11

### Analysis of current record

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

Channel	Call	City/State	Application	Ref. No.
21	WAPT	JACKSON MS	DTVPLN	-DTVP0771

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WMPN-TV	JACKSON MS	14.2	CP	BPEDT	-20000113AAH
20	WMPN-TV	JACKSON MS	14.2	PLN	DTVPLN	-DTVP0731
21	KPXJ	MINDEN LA	344.2	LIC	BLCDT	-20050930AAL
21	KPXJ	MINDEN LA	344.2	PLN	DTVPLN	-DTVP0765
21	WHNO	NEW ORLEANS LA	263.4	LIC	BLCDT	-20050413AAK
21	WHNO	NEW ORLEANS LA	263.4	PLN	DTVPLN	-DTVP0766
21	KFDM-TV	BEAUMONT TX	423.2	PLN	DTVPLN	-DTVP0786
22	WHLT	HATTIESBURG MS	139.2	PLN	DTVPLN	-DTVP0811
22	WHLT	HATTIESBURG MS	139.2	CP MOD	BMPCDT	-20080410AAZ
21	KFDM-DT	BEAUMONT TX	423.2	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	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	LIC	BLEDT	-20060622AAS
20	KWBU-TV	WACO TX	118.9	PLN	DTVPLN	-DTVP0743
21	KFDM-TV	BEAUMONT TX	367.5	PLN	DTVPLN	-DTVP0786
22	KLRU	AUSTIN TX	0.6	LIC	BLEDT	-20040305ACK
22	KLRU	AUSTIN TX	0.6	PLN	DTVPLN	-DTVP0825
21	KFDM-DT	BEAUMONT TX	367.5	APP	USERRECORD-01	

Total scenarios = 4

Result key: 19  
 Scenario 1 Affected station 12  
 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	BLEDT	20060622AAS	LIC
22A TX AUSTIN	BLEDT	20040305ACK	LIC

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

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	33955	333.0
lost to ATV IX only	33955	333.0
lost to all IX	33955	333.0

Potential Interfering Stations Included in above Scenario 1

20A TX WACO	BLEDT	20060622AAS	LIC
22A TX AUSTIN	BLEDT	20040305ACK	LIC
21A TX BEAUMONT	USERRECORD01		APP

Percent new IX = 0.0014%

Worst case new IX 0.0014% Scenario 1

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	KXAN-TV	AUSTIN TX	DTVPLN	-DTVP0785

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	KWBU-TV	WACO TX	118.9	LIC	BLEDT	-20060622AAS
20	KWBU-TV	WACO TX	118.9	PLN	DTVPLN	-DTVP0743
21	KFDM-TV	BEAUMONT TX	367.5	PLN	DTVPLN	-DTVP0786
22	KLRU	AUSTIN TX	0.6	LIC	BLEDT	-20040305ACK
22	KLRU	AUSTIN TX	0.6	PLN	DTVPLN	-DTVP0825
21	KFDMDT	BEAUMONT TX	367.5	APP	USERRECORD-01	

Total scenarios = 4

Result key: 23

Scenario 1 Affected station 13

Before Analysis

Results for: 21A TX AUSTIN DTVPLN DTVP0785 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	33928	329.0
lost to ATV IX only	33928	329.0
lost to all IX	33928	329.0

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

Potential Interfering Stations Included in above Scenario 1

20A TX WACO	BLEDT	20060622AAS	LIC
22A TX AUSTIN	BLEDT	20040305ACK	LIC

After Analysis

Results for: 21A TX AUSTIN DTVPLN DTVP0785 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	33955	333.0
lost to ATV IX only	33955	333.0
lost to all IX	33955	333.0

Potential Interfering Stations Included in above Scenario 1

20A TX WACO	BLEDT	20060622AAS	LIC
22A TX AUSTIN	BLEDT	20040305ACK	LIC
21A TX BEAUMONT	USERRECORD01		APP

Percent new IX = 0.0014%

Worst case new IX 0.0014% Scenario 1

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Analysis of Interference to Affected Station 14

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 -DTVP0726
21	KPXJ	MINDEN LA	283.0	LIC	BLCDDT -20050930AAL
21	KPXJ	MINDEN LA	283.0	PLN	DTVPLN -DTVP0765
21	WHNO	NEW ORLEANS LA	381.3	LIC	BLCDDT -20050413AAK
21	WHNO	NEW ORLEANS LA	381.3	PLN	DTVPLN -DTVP0766
21	WAPT	JACKSON MS	423.2	CP	BPCDDT -19990915ATM
21	WAPT	JACKSON MS	423.2	PLN	DTVPLN -DTVP0771
21	KXAN-TV	AUSTIN TX	367.5	LIC	BLCDDT -20050630AAG
21	KXAN-TV	AUSTIN TX	367.5	PLN	DTVPLN -DTVP0785

Total scenarios = 2

Result key: 27  
Scenario 1 Affected station 14  
Before Analysis

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

Results for: 21A TX BEAUMONT                      USERRECORD01                      APP

HAAT 271.0 m, ATV ERP 280.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	648464	21293.1
not affected by terrain losses	648413	21289.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	496	40.2
lost to ATV IX only	496	40.2
lost to all IX	496	40.2

Potential Interfering Stations Included in above Scenario                      1

21A LA MINDEN                      BLCDT                      20050930AAL                      LIC

Result key:                      28

Scenario                      2                      Affected station                      14

Before Analysis

Results for: 21A TX BEAUMONT                      USERRECORD01                      APP

HAAT 271.0 m, ATV ERP 280.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	648464	21293.1
not affected by terrain losses	648413	21289.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	496	40.2
lost to ATV IX only	496	40.2
lost to all IX	496	40.2

Potential Interfering Stations Included in above Scenario                      2

21A LA MINDEN                      DTVPLN                      DTVP0765                      PLN

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