

WEDN-DT, Norwich, CT, OET-69 Post-Transition Results (Worst Case IX)

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_B
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

WEDNDT USERRECORD-01 NORWICH CT US
Channel 09 ERP 4.2 kW HAAT 192. m RCAMSL 00284 m
Latitude 041-31-14 Longitude 0072-10-03
Status APP Zone 1 Border
Dir Antenna Make CDB Model 00000000084583 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	3.509	193.4	78.2
45.0	4.183	212.8	81.0
90.0	3.223	238.1	80.6
135.0	1.710	223.6	74.7
180.0	1.442	191.1	70.9
225.0	1.736	161.6	69.8
270.0	1.408	146.1	66.1
315.0	1.911	167.3	71.2

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 quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 388.8km

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Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

	Proposed Station			
Channel	Call	City/State	ARN	
09	WEDNDT	NORWICH CT	USERRECORD01	

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WNJB	NEW BRUNSWICK NJ	219.8	LIC	BDTV	-1060
09	WMUR-TV	MANCHESTER NH	169.4	LIC	BDTV	-1052
09	WBPH-TV	BETHLEHEM PA	294.2	LIC	BDTV	-1302
09	WVER	RUTLAND VT	249.8	LIC	BDTV	-1693
10	WTNH	NEW HAVEN CT	66.2	LIC	BDTV	-0273
10	WWDP	NORWELL MA	107.8	LIC	BDTV	-0722
09	WMURDT	MANCHESTER NH	169.4	APP	BPCDT	-20080407ABS

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WNJB	NEW BRUNSWICK NJ	BDTV	-1060

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WXXA-TV	ALBANY NY	226.5	LIC	BDTV	-1121
07	WBNG-TV	BINGHAMTON NY	200.3	LIC	BDTV	-1127
07	WABC-TV	NEW YORK NY	42.6	LIC	BDTV	-1147
08	WICZ-TV	BINGHAMTON NY	199.7	LIC	BDTV	-1128
08	WWCP-TV	JOHNSTOWN PA	396.3	LIC	BDTV	-1315
08	WGAL	LANCASTER PA	190.7	LIC	BDTV	-1317
09	WBPH-TV	BETHLEHEM PA	79.2	LIC	BDTV	-1302
09	WEDNDT	NORWICH CT	219.8	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WMUR-TV	MANCHESTER NH	BDTV	-1052

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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WMTW-TV	POLAND SPRING ME	116.8	LIC	BDTV	-0754
09	WMEB-TV	ORONO ME	277.5	LIC	BDTV	-0753
09	WBPH-TV	BETHLEHEM PA	417.3	LIC	BDTV	-1302
09	WVER	RUTLAND VT	143.8	LIC	BDTV	-1693
10	WTNH	NEW HAVEN CT	206.6	LIC	BDTV	-0273
10	WWDP	NORWELL MA	117.0	LIC	BDTV	-0722
10	WCBB	AUGUSTA ME	182.0	LIC	BDTV	-0746
09	WEDNDT	NORWICH CT	169.4	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
 Scenario 1 Affected station 2
 Before Analysis

Results for: 9A NH MANCHESTER BDTV 1052 LIC
 HAAT 305.0 m, ATV ERP 7.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4987135	25790.9
not affected by terrain losses	4788635	23103.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	170532	1170.3
lost to ATV IX only	170532	1170.3
lost to all IX	170532	1170.3

Potential Interfering Stations Included in above Scenario 1

8A ME POLAND SPRING	BDTV	0754	LIC
9A ME ORONO	BDTV	0753	LIC
9A VT RUTLAND	BDTV	1693	LIC
10A MA NORWELL	BDTV	0722	LIC
9A CT NORWICH	BDTV	0276	LIC

After Analysis

Results for: 9A NH MANCHESTER BDTV 1052 LIC
 HAAT 305.0 m, ATV ERP 7.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4987135	25790.9
not affected by terrain losses	4788635	23103.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	180327	1267.1
lost to ATV IX only	180327	1267.1
lost to all IX	180327	1267.1

Potential Interfering Stations Included in above Scenario 1

8A ME POLAND SPRING	BDTV	0754	LIC
9A ME ORONO	BDTV	0753	LIC
9A VT RUTLAND	BDTV	1693	LIC
10A MA NORWELL	BDTV	0722	LIC
9A CT NORWICH	USERRECORD01		APP

Percent new IX = 0.2121%

WEDN-DT, Norwich, CT, OET-69 Post-Transition Results (Worst Case IX)

Worst case new IX 0.2121% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WBPH-TV	BETHLEHEM PA	BDTV	-1302

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WNJB	NEW BRUNSWICK NJ	79.2	LIC	BDTV	-1060
08	WICZ-TV	BINGHAMTON NY	171.1	LIC	BDTV	-1128
08	WGAL	LANCASTER PA	116.0	LIC	BDTV	-1317
09	WUSA	WASHINGTON DC	227.6	LIC	BDTV	-0279
09	WMUR-TV	MANCHESTER NH	417.3	LIC	BDTV	-1052
09	WVER	RUTLAND VT	394.0	LIC	BDTV	-1693
10	WHTM-TV	HARRISBURG PA	130.7	LIC	BDTV	-1310
09	WEDNDT	NORWICH CT	294.2	APP	USERRECORD-01	
09	WMURDT	MANCHESTER NH	417.2	APP	BPCDT	-20080407ABS

Total scenarios = 1

Result key: 2
 Scenario 1 Affected station 3
 Before Analysis

Results for: 9A PA BETHLEHEM BDTV 1302 LIC
 HAAT 284.0 m, ATV ERP 3.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6449446	18459.0
not affected by terrain losses	5831102	16686.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	619267	992.6
lost to ATV IX only	619267	992.6
lost to all IX	619267	992.6

Potential Interfering Stations Included in above Scenario 1

8A NJ NEW BRUNSWICK	BDTV	1060	LIC
8A PA LANCASTER	BDTV	1317	LIC
9A DC WASHINGTON	BDTV	0279	LIC
9A CT NORWICH	BDTV	0276	LIC

After Analysis

Results for: 9A PA BETHLEHEM BDTV 1302 LIC
 HAAT 284.0 m, ATV ERP 3.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6449446	18459.0
not affected by terrain losses	5831102	16686.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	619267	992.6

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lost to ATV IX only 619267 992.6
 lost to all IX 619267 992.6

Potential Interfering Stations Included in above Scenario 1

8A NJ NEW BRUNSWICK BDTV 1060 LIC
 8A PA LANCASTER BDTV 1317 LIC
 9A DC WASHINGTON BDTV 0279 LIC
 9A CT NORWICH USERRECORD01 APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WVER	RUTLAND VT	BDTV	-1693

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WMTW-TV	POLAND SPRING ME	189.4	LIC	BDTV	-0754
09	WMEB-TV	ORONO ME	341.3	LIC	BDTV	-0753
09	WMUR-TV	MANCHESTER NH	143.8	LIC	BDTV	-1052
09	WBPH-TV	BETHLEHEM PA	394.0	LIC	BDTV	-1302
09	WEDNDT	NORWICH CT	249.8	APP	USERRECORD-01	
09	WMURDT	MANCHESTER NH	143.8	APP	BPCDT	-20080407ABS

Total scenarios = 2

Result key: 3
 Scenario 1 Affected station 4
 Before Analysis

Results for: 9A VT RUTLAND BDTV 1693 LIC
 HAAT 385.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	740886	29306.7
not affected by terrain losses	559963	22810.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17955	1281.7
lost to ATV IX only	17955	1281.7
lost to all IX	17955	1281.7

Potential Interfering Stations Included in above Scenario 1

9A ME ORONO BDTV 0753 LIC
 9A NH MANCHESTER BDTV 1052 LIC
 9A CT NORWICH BDTV 0276 LIC

After Analysis

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Results for: 9A VT RUTLAND BDTV 1693 LIC
 HAAT 385.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	740886	29306.7
not affected by terrain losses	559963	22810.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	18065	1289.7
lost to ATV IX only	18065	1289.7
lost to all IX	18065	1289.7

Potential Interfering Stations Included in above Scenario 1

9A ME ORONO	BDTV	0753	LIC
9A NH MANCHESTER	BDTV	1052	LIC
9A CT NORWICH	USERRECORD01		APP

Percent new IX = 0.0203%

Worst case new IX 0.0203% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WTNH	NEW HAVEN CT	BDTV	-0273

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WMUR-TV	MANCHESTER NH	206.6	LIC	BDTV	-1052
10	WWDP	NORWELL MA	171.1	LIC	BDTV	-0722
10	WCBB	AUGUSTA ME	386.9	LIC	BDTV	-0746
10	WHEC-TV	ROCHESTER NY	425.8	LIC	BDTV	-1159
10	WHTM-TV	HARRISBURG PA	357.9	LIC	BDTV	-1310
11	WWLP	SPRINGFIELD MA	76.4	LIC	BDTV	-0724
11	WPIX	NEW YORK NY	119.0	LIC	BDTV	-1148
09	WEDNDT	NORWICH CT	66.2	APP	USERRECORD-01	
09	WMURDT	MANCHESTER NH	206.5	APP	BPCDT	-20080407ABS

Total scenarios = 1

Result key: 5
 Scenario 1 Affected station 5
 Before Analysis

Results for: 10A CT NEW HAVEN BDTV 0273 LIC
 HAAT 342.0 m, ATV ERP 20.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7542438	29792.5
not affected by terrain losses	7061820	27250.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	846082	1598.7
lost to ATV IX only	846082	1598.7
lost to all IX	846082	1598.7

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Potential Interfering Stations Included in above Scenario 1

10A MA NORWELL	BDTV	0722	LIC
10A ME AUGUSTA	BDTV	0746	LIC
10A PA HARRISBURG	BDTV	1310	LIC
11A MA SPRINGFIELD	BDTV	0724	LIC
11A NY NEW YORK	BDTV	1148	LIC
9A CT NORWICH	BDTV	0276	LIC

After Analysis

Results for: 10A CT NEW HAVEN BDTV 0273 LIC

HAAT 342.0 m, ATV ERP 20.5 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	7542438	29792.5
not affected by terrain losses	7061820	27250.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	854002	1722.6
lost to ATV IX only	854002	1722.6
lost to all IX	854002	1722.6

Potential Interfering Stations Included in above Scenario 1

10A MA NORWELL	BDTV	0722	LIC
10A ME AUGUSTA	BDTV	0746	LIC
10A PA HARRISBURG	BDTV	1310	LIC
11A MA SPRINGFIELD	BDTV	0724	LIC
11A NY NEW YORK	BDTV	1148	LIC
9A CT NORWICH	USERRECORD01		APP

Percent new IX = 0.1274%

Worst case new IX 0.1274% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WWDP	NORWELL MA	BDTV	-0722

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WMUR-TV	MANCHESTER NH	117.0	LIC	BDTV	-1052
10	WTNH	NEW HAVEN CT	171.1	LIC	BDTV	-0273
10	WCBB	AUGUSTA ME	252.7	LIC	BDTV	-0746
11	WWLP	SPRINGFIELD MA	137.2	LIC	BDTV	-0724
11	WENHTV	DURHAM NH	130.2	LIC	BDTV	-1049
09	WEDNDT	NORWICH CT	107.8	APP	USERRECORD-01	
09	WMURDT	MANCHESTER NH	117.0	APP	BPCDT	-20080407ABS

Total scenarios = 2

WEDN-DT, Norwich, CT, OET-69 Post-Transition Results (Worst Case IX)

Result key: 6
 Scenario 1 Affected station 6
 Before Analysis

Results for: 10A MA NORWELL BDTV 0722 LIC
 HAAT 144.0 m, ATV ERP 5.0 kW
 POPULATION AREA (sq km)
 within Noise Limited Contour 5643947 18031.0
 not affected by terrain losses 5482118 17057.3
 lost to NTSC IX 0 0.0
 lost to additional IX by ATV 184934 1642.8
 lost to ATV IX only 184934 1642.8
 lost to all IX 184934 1642.8

Potential Interfering Stations Included in above Scenario 1

9A NH MANCHESTER	BDTV	1052	LIC
10A CT NEW HAVEN	BDTV	0273	LIC
10A ME AUGUSTA	BDTV	0746	LIC
11A NH DURHAM	BDTV	1049	LIC
9A CT NORWICH	BDTV	0276	LIC

After Analysis

Results for: 10A MA NORWELL BDTV 0722 LIC
 HAAT 144.0 m, ATV ERP 5.0 kW
 POPULATION AREA (sq km)
 within Noise Limited Contour 5643947 18031.0
 not affected by terrain losses 5482118 17057.3
 lost to NTSC IX 0 0.0
 lost to additional IX by ATV 184934 1642.8
 lost to ATV IX only 184934 1642.8
 lost to all IX 184934 1642.8

Potential Interfering Stations Included in above Scenario 1

9A NH MANCHESTER	BDTV	1052	LIC
10A CT NEW HAVEN	BDTV	0273	LIC
10A ME AUGUSTA	BDTV	0746	LIC
11A NH DURHAM	BDTV	1049	LIC
9A CT NORWICH	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	WMURDT	MANCHESTER NH	BPCDT-20080407ABS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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WEDN-DT, Norwich, CT, OET-69 Post-Transition Results (Worst Case IX)

08	WMTW-TV	POLAND SPRING ME	116.8	LIC	BDTV	-0754
09	WMEB-TV	ORONO ME	277.5	LIC	BDTV	-0753
09	WBPH-TV	BETHLEHEM PA	417.2	LIC	BDTV	-1302
09	WVER	RUTLAND VT	143.8	LIC	BDTV	-1693
10	WTNH	NEW HAVEN CT	206.5	LIC	BDTV	-0273
10	WWDP	NORWELL MA	117.0	LIC	BDTV	-0722
10	WCBB	AUGUSTA ME	182.0	LIC	BDTV	-0746
09	WEDNDT	NORWICH CT	169.4	APP	USERRECORD-01	

Total scenarios = 1

Result key: 8
 Scenario 1 Affected station 7
 Before Analysis

Results for: 9A NH MANCHESTER BPCDT-20080407ABS APP
 HAAT 314.0 m, ATV ERP 6.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4991811	25727.1
not affected by terrain losses	4776442	22898.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	138853	1121.9
lost to ATV IX only	138853	1121.9
lost to all IX	138853	1121.9

Potential Interfering Stations Included in above Scenario 1

8A ME POLAND SPRING	BDTV	0754	LIC
9A ME ORONO	BDTV	0753	LIC
9A VT RUTLAND	BDTV	1693	LIC
10A MA NORWELL	BDTV	0722	LIC
9A CT NORWICH	BDTV	0276	LIC

After Analysis

Results for: 9A NH MANCHESTER BPCDT-20080407ABS APP
 HAAT 314.0 m, ATV ERP 6.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4991811	25727.1
not affected by terrain losses	4776442	22898.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	161171	1271.2
lost to ATV IX only	161171	1271.2
lost to all IX	161171	1271.2

Potential Interfering Stations Included in above Scenario 1

8A ME POLAND SPRING	BDTV	0754	LIC
9A ME ORONO	BDTV	0753	LIC
9A VT RUTLAND	BDTV	1693	LIC
10A MA NORWELL	BDTV	0722	LIC
9A CT NORWICH	USERRECORD01		APP

Percent new IX = 0.4812%

Worst case new IX 0.4812% Scenario 1

WEDN-DT, Norwich, CT, OET-69 Post-Transition Results (Worst Case IX)

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	WEDNDT	NORWICH CT	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
08	WNJB	NEW BRUNSWICK NJ	219.8	LIC	BDTV -1060
09	WMUR-TV	MANCHESTER NH	169.4	LIC	BDTV -1052
09	WBPH-TV	BETHLEHEM PA	294.2	LIC	BDTV -1302
09	WVER	RUTLAND VT	249.8	LIC	BDTV -1693
10	WTNH	NEW HAVEN CT	66.2	LIC	BDTV -0273
10	WWDP	NORWELL MA	107.8	LIC	BDTV -0722
09	WMURDT	MANCHESTER NH	169.4	APP	BPCDT -20080407ABS

Total scenarios = 2

Result key: 9
 Scenario 1 Affected station 8
 Before Analysis

Results for: 9A CT NORWICH USERRECORD01 APP
 HAAT 192.0 m, ATV ERP 4.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3317976	17289.9
not affected by terrain losses	2524079	15942.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	620972	1787.1
lost to ATV IX only	620972	1787.1
lost to all IX	620972	1787.1

Potential Interfering Stations Included in above Scenario 1

9A NH MANCHESTER	BDTV	1052	LIC
9A VT RUTLAND	BDTV	1693	LIC
10A CT NEW HAVEN	BDTV	0273	LIC
10A MA NORWELL	BDTV	0722	LIC

Result key: 10
 Scenario 2 Affected station 8
 Before Analysis

Results for: 9A CT NORWICH USERRECORD01 APP
 HAAT 192.0 m, ATV ERP 4.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3317976	17289.9
not affected by terrain losses	2524079	15942.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	591697	1649.9
lost to ATV IX only	591697	1649.9
lost to all IX	591697	1649.9

WEDN-DT, Norwich, CT, OET-69 Post-Transition Results (Worst Case IX)

Potential Interfering Stations Included in above Scenario 2

9A NH MANCHESTER	BPCDT	20080407ABS	APP
9A VT RUTLAND	BDTV	1693	LIC
10A CT NEW HAVEN	BDTV	0273	LIC
10A MA NORWELL	BDTV	0722	LIC

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