

Exhibit 41 - Statement B
ALLOCATION CONSIDERATIONS
INTERFERENCE ANALYSIS

prepared for
USA Station Group Partnership of Massachusetts
WHUB-DT Marlborough, Massachusetts
Facility ID 60551
Ch. 23 100 kW 334 m

USA Station Group Partnership of Massachusetts, licensee of analog station WHUB-TV (Channel 66) and permittee of paired DTV station WHUB-DT (Channel 23, previously WSHH-DT), has an application pending to modify the WHUB-DT Construction Permit (file number BMPCDT-19981008KE). The pending application proposes a directional antenna system, an effective radiated power (ERP) of 100 kW and an antenna height above average terrain (HAAT) of 332 meters. The purpose of the instant amendment is to correct the site's coordinates and elevation (and resulting antenna height data). No other changes to the pending application are sought.

The DTV reference ERP and antenna HAAT of 50 kW and 326 meters, respectively, for WHUB-DT have been established under **Appendix B** of the Second Memorandum Opinion and Order on Reconsideration of the Fifth and Sixth Report and Orders in MM Docket 87-268, FCC 98-315, released December 18, 1998, per §73.622(f)(1) of the Commission's rules. The proposed WHUB-DT facility will operate with 100 kW ERP at 334 meters HAAT; the proposed ERP and HAAT thus exceed the reference ERP and HAAT. Accordingly, as required by §73.622(f)(5), a study was conducted to evaluate interference to analog and DTV facilities that may be attributed to the proposed WHUB-DT facility.

A detailed interference study was conducted in accordance with the terrain dependent Longley-Rice point-to-point propagation model, per the Commission's Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, July

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2, 1997 (“OET-69”).¹ The interference study examined the net change in interference as experienced by other stations that would result from the proposed facility (in lieu of the reference WHUB-DT).

The interference analysis is based on the use of a nominal 1 km cell size, which provides a finer resolution than the Commission’s standard 2 km cell size. **Commission processing using a 1 km cell size is requested.** All stations considered in this study are listed in **Table 1**. The results of the interference study, also summarized in **Table 1**, indicate that any additional interference to these stations meets the Commission’s 2% / 10% interference limits regarding DTV proposals, except for the pending expansion application for WLWC-DT (DTV Ch. 22, New Bedford, MA, file number BPCDT-19991028AFL, 440 kW / 214 m). The instant proposal is “mutually exclusive” with the WLWC-DT expansion proposal. No interference is predicted to any other station or DTV allotment.

The applicant was advised by the Commission by letter dated February 16, 2001 that the Commission’s analysis of the originally proposed WHUB-DT facility exceeded the two percent *de minimis* limit to the DTV allotment for WLWC-DT (155.1 kW / 229 m). The corrected site data specified herein, along with analysis of interference based on a 1 km cell size, results in a reduction in the amount of new interference caused to the allotted WLWC-DT facility. For completeness, the attached **Table 2** provides

¹The implementation of OET-69 for this study followed the guidelines of OET-69 as specified therein. **A cell size of 1 km was employed.** The Longley-Rice computer program input data, following the guidelines established under OET-69, includes a location variability of 50%, a time availability of 10%, a situation variability of 50%, horizontal polarization, 0.005 S/m conductivity, a climate constant of 15, an assumption of a continental temperate climate zone, and a receive antenna height of 10 meters. The service area for each DTV facility under study is that area predicted to receive signal levels of at least 41 dB μ using the Longley-Rice methodology, and within the DTV F(50,90) service contour distance as determined per §73.625(b). In instances where the DTV reference ERP is 50 kW or 1,000 kW, the Grade B contour of the associated analog station (authorized as of April 3, 1997) is used to determine the extent of the DTV station’s service area. The F(50,90) DTV service contour level is established by the formula $41 - 20\log[615/(\text{channel mid-frequency})]$ dB μ . The service area for each NTSC facility under study is that area predicted to receive signal levels of at least 64 dB μ using the Longley-Rice methodology, and within the NTSC F(50,50) service contour distance as determined per §73.684(c). The F(50,50) NTSC service contour level is established by the formula $64 - 20\log[615/(\text{channel mid-frequency})]$ dB μ . Comparisons of various results of this computer program to the Commission’s implementation of OET-69 show good correlation.

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the detailed interference analysis results for the allotted WLWC-DT facility using the Commission's current television interference analysis program. As shown in **Table 2**, no instances of the instant proposal (100 kW / 334 m) are found to fail the *de minimis* limits regarding the allotted WLWC-DT facility. Accordingly, the provisions of §73.623(c)(2) are met with respect to the allotted WLWC-DT facility.

With respect to television stations that have been granted a Class A License or hold a Class A Construction Permit, or are existing Low Power Television (LPTV) stations that are eligible for Class A status,² it is noted that the pending application for WHUB-DT was filed prior to December 31, 1999. Accordingly, the pending application was not required to provide protection to any station eligible for Class A status.³

The instant amendment corrects the site's coordinates and elevation. The resulting sets of interfering contours that may impact Class A facilities from the proposal as amended are not significantly changed from those of the pending application. Thus, any predicted interference to a Class A facility resulting from the proposal will be essentially the same as that which would result from the original application, as determined by §73.623(c)(5)(i). Based on the foregoing, the proposal complies with the Commission's requirements with respect to the protection of Class A stations.

Thus, it is believed that the instant proposal complies with the Commission's allocation Rules and policies regarding NTSC, DTV, and Class A stations.

²See June 2, 2000 Public Notice *Certificates of Eligibility for Class A Television Station Status*, DA 00-1224.

³See December 7, 1999 Public Notice "*Community Broadcasters Protection Act of 1999*" Sets Deadline of December 31, 1999 for Full Service TV Stations to File Letters of Intent to Maximize their DTV Facilities, DA 99-2739.

Exhibit 41 - Table 1
INTERFERENCE ANALYSIS RESULTS SUMMARY

prepared for

USA Station Group Partnership of Massachusetts

WHUB-DT Marlborough, Massachusetts

Facility ID 60551

Ch. 23 100 kW 334 m

DTV Facilities

<u>Stations Considered</u>	<u>City, State Channel</u>	<u>Distance (km)</u>	<u>Baseline Population (1)</u>	<u>Calculated "Before" Service Population (2)</u>	<u>Calculated "After" Service Population (3)</u>	<u>--- Net "New" Interference --- ("2 percent" test)</u>		<u>Percentage Reduction of Baseline Population ("10 percent" test) (6)</u>
						<u>Population (4)</u>	<u>Percentage (5)</u>	
WLWC-DT (Ref 155.1 kW)	New Bedford, MA 22	82.0	3,499,000	3,543,771	3,475,623	68,148	1.95	0.67
WLWC-DT (APP 440 kW)	New Bedford, MA 22	82.1	3,499,000	4,220,456	4,126,282	94,174	2.69 ¹	0.00
WHSI-DT (APP 150 kW)	Smithtown, NY 23	205.7	3,074,000	3,509,882	3,510,811	(929)	-- interference decreases --	
WHSI-DT (Ref 50 kW)	Smithtown, NY 23	205.8	3,074,000	2,928,807	2,928,807	0	-- no change in interference --	
WNPI-DT (CP 40 kW)	Norwood, NY 23	359.1				----- checklist facility, evaluation not required -----		
WNPI-DT (Ref 50 kW)	Norwood, NY 23	359.2				----- no interference predicted from proposal -----		
WVTA-DT (App 200 kW)	Windsor, VT 24	140.7	458,000	842,862	836,409	6,453	1.41	0.00

¹The instant proposal is mutually exclusive with the pending expansion application for WLWC-DT.

Exhibit 41 - Table 1
INTERFERENCE ANALYSIS RESULTS SUMMARY
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DTV Facilities

<u>Stations Considered</u>	<u>City, State Channel</u>	<u>Distance (km)</u>	<u>Baseline Population</u> (1)	<u>Calculated "Before" Service Population</u> (2)	<u>Calculated "After" Service Population</u> (3)	<u>--- Net "New" Interference ---</u> ("2 percent" test)		<u>Percentage Reduction of Baseline Population ("10 percent" test)</u> (6)
						<u>Population</u> (4)	<u>Percentage</u> (5)	
WVTA-DT (CP 30 kW)	Windsor, VT 24	140.7				----- checklist facility, evaluation not required -----		
WVTA-DT (Ref 50 kW)	Windsor, VT 24	140.8	458,000	462,084	460,660	1,424	0.31	0.00

NTSC Facilities

<u>Stations Considered</u>	<u>City, State Channel</u>	<u>Distance (km)</u>	<u>Baseline Population</u> (1)	<u>Calculated "Before" Service Population</u> (2)	<u>Calculated "After" Service Population</u> (3)	<u>--- Net "New" Interference ---</u> ("2 percent" test)		<u>---Total Interference---</u> from DTV only ("10 percent" test)	
						<u>Population</u> (4)	<u>Percentage</u> (5)	<u>Population</u> (7)	<u>Percentage</u> (8)
WCDC-TV (Lic)	Adams, MA 19	140.5				----- no interference predicted from proposal -----			
WPXG(TV) (CP)	Concord, NH 21	90.1	2,026,994	1,712,737	1,712,737	0		-- no change in interference --	
WPXG(TV) (Lic)	Concord, NH 21	90.1	2,063,000	1,747,661	1,747,661	0		-- no change in interference --	
WWLP(TV) (CP)	Springfield, MA 22	105.3	2,909,958	1,989,099	1,990,194	(1,095)		-- interference decreases --	

Exhibit 41 - Table 1
INTERFERENCE ANALYSIS RESULTS SUMMARY
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NTSC Facilities

<u>Stations Considered</u>	<u>City, State Channel</u>	<u>Distance (km)</u>	<u>Baseline Population</u> (1)	<u>Calculated "Before" Service Population</u> (2)	<u>Calculated "After" Service Population</u> (3)	<u>--- Net "New" Interference ---</u> ("2 percent" test)		<u>---Total Interference---</u> <u>from DTV only</u> ("10 percent" test)	
						<u>Population</u> (4)	<u>Percentage</u> (5)	<u>Population</u> (7)	<u>Percentage</u> (8)
WWLP(TV) (Lic)	Springfield, MA 22	105.3	2,793,685	1,938,952	1,940,053	(1,101)		-- interference decreases --	
WXXA-TV (Lic)	Albany, NY 23	208.7	1,339,161	1,140,743	1,140,850	(107)		-- interference decreases --	
WMPX-TV (Lic)	Waterville, MA 23	230.6	746,930	705,039	703,982	1,057	0.14	9,100	1.22
WNJS(TV) (Lic)	Camden, NJ 23	407.8				----- no interference predicted from proposal -----			
WEDH(TV) (Lic)	Hartford, CT 24	128.0				----- no interference predicted from proposal -----			
WFXT(TV) (Lic)	Boston, MA 25	24.3				----- no interference predicted from proposal -----			
WHPX(TV) (Lic)	New London, CT 26	122.2				----- no interference predicted from proposal -----			
WMEA-TV (Lic)	Biddeford, ME 26	127.9				----- no interference predicted from proposal -----			
WUNI(TV) (Lic)	Worcester, MA 27	19.1				----- no interference predicted from proposal -----			

Exhibit 41 - Table 1
INTERFERENCE ANALYSIS RESULTS SUMMARY
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NTSC Facilities

<u>Stations Considered</u>	<u>City, State Channel</u>	<u>Distance (km)</u>	<u>Baseline Population</u> (1)	Calculated	Calculated	--- Net "New" Interference --- ("2 percent" test)		---Total Interference--- from DTV only ("10 percent" test)	
				<u>Service Population</u> (2)	<u>Service Population</u> (3)	<u>Population</u> (4)	<u>Percentage</u> (5)	<u>Population</u> (7)	<u>Percentage</u> (8)
WVIT(TV) (Lic)	New Britain, CT 30	134.4				----- no interference predicted from proposal -----			
WNNE(TV) (Lic)	Hartford, CT 31	141.5				----- no interference predicted from proposal -----			

- Notes:
- (1) For DTV stations, greater of NTSC or DTV Service Population, from FCC Table
For NTSC stations, total population within noise-limited contour
 - (2) Service population after reduction from terrain and interference losses, before consideration of proposal
 - (3) Service population after reduction from terrain and interference losses, considering proposal
 - (4) Net change in population receiving interference resulting from proposal, equals (2) minus (3). A number in parenthesis indicates a *reduction* in interference.
 - (5) Proposal's impact in terms of percentage, equals (4)/(1) times 100 percent: not to exceed *de minimis* limit of 2.0 percent
 - (6) Total interference to DTV stations: equals 100 percent minus [(3)/(1) X 100%]; proposal may not add interference above 10% total. Zero total interference is indicated if (3) is greater than (1).
 - (7) NTSC station total population subject to interference from DTV only sources (considering proposal)
 - (8) Proposal's impact to NTSC station in terms of percentage, equals (7)/(1) times 100 percent; proposal may not add interference above 10% total

The determination of stations for consideration and the determination of baseline population and interference percentages were made as described in the Commission's August 10, 1998 Public Notice "*Additional Application Processing Guidelines for Digital Television*"

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

prepared for

USA Station Group Partnership of Massachusetts

WHUB-DT Marlborough, Massachusetts

Facility ID 60551

Ch. 23 100 kW 334 m

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 04-14-2001 Time: 14:38:17

Record Selected for Analysis

WHSB-DT BMPCDT -19981008KE MARLBOROUGH MA US
Channel 23 ERP 100. kW HAAT 00332 m RCAMSL 00413 m
Latitude 042-23- 2 Longitude 0071-29-37
Status APP Zone 1 Border C
Dir Antenna Make CDB Model 00000000019080 Beam tilt Y Ref Azimuth 0.0
Last update 00220222 Cutoff date 00000000 Docket
Comments
Applicant USA STATION GROUP PARTNERSHIP OF MAS

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

WLWC-DT Allotted Facility

Analysis of Interference to Affected Station 5

DTV Baseline Analysis

Channel Call City/State Application Ref. No.
22 WLWC-DT NEW BEDFORD MA DTVPLN -DTVP0456

Stations Potentially Affecting This Station

Table with 7 columns: Chan, Call, City/State, Dist(km), Status, Application, Ref. No. Rows list various stations like WSBE-DT, WMEB-DT, WNJS-DT, etc.

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

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HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	507650	437.2
lost to ATV IX only	548399	496.9
lost to all IX	555645	559.5

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
28	WLWC	NEW BEDFORD MA	DTVPLN	-NPLN0654

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WCVB-DT	BOSTON MA	64.5	PLN	DTVPLN	-DTVP0378
21	WSBE-DT	PROVIDENCE RI	45.3	PLN	DTVPLN	-DTVP0431
28	WWLA-DT	LEWISTON ME	235.7	PLN	DTVPLN	-DTVP0672
28	WNBC-DT	NEW YORK NY	283.7	PLN	DTVPLN	-DTVP0677
29	WUNI-DT	WORCESTER MA	89.8	PLN	DTVPLN	-DTVP0702
30	WBZ-DT	BOSTON MA	64.5	PLN	DTVPLN	-DTVP0744
31	WFXT-DT	BOSTON MA	63.2	PLN	DTVPLN	-DTVP0777
32	WABU-DT	BOSTON MA	64.6	PLN	DTVPLN	-DTVP0817
35	WNDS-DT	DERRY NH	113.1	PLN	DTVPLN	-DTVP0930
42	WHDH-DT	BOSTON MA	63.9	PLN	DTVPLN	-DTVP1135
43	WGBX-DT	BOSTON MA	64.5	PLN	DTVPLN	-DTVP1165
26	WTWS	NEW LONDON CT	112.9	PLN	DTVPLN	-NPLN0252
43	WHAITV	BRIDGEPORT CT	187.5	PLN	DTVPLN	-NPLN0270
25	WFXT	BOSTON MA	63.2	PLN	DTVPLN	-NPLN0649
27	WUNI	WORCESTER MA	89.8	PLN	DTVPLN	-NPLN0653
21	WNBU	CONCORD NH	159.6	PLN	DTVPLN	-NPLN1057
36	WSBETV	PROVIDENCE RI	45.3	PLN	DTVPLN	-NPLN1372
28	WVER	RUTLAND VT	274.5	PLN	DTVPLN	-NPLN1661

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WLWC-DT	NEW BEDFORD MA	DTVPLN	-DTVP0456

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WPXG	CONCORD NH	159.6	LIC	BLCT	-19840425KF
21	WPXG	CONCORD NH	159.6	CP	BPCT	-19950215KF
21	WSBE-DT	PROVIDENCE RI	31.3	APP	BPEDT	-20000216AAZ
21	WSBE-DT	PROVIDENCE RI	45.3	PLN	DTVPLN	-DTVP0431
22	WWLP	SPRINGFIELD MA	150.8	CP MOD	BPCT	-19930826KE
22	WWLP	SPRINGFIELD MA	150.8	LIC	BLCT	-19841128KJ
22	WMEB-DT	ORONO ME	358.0	APP	BPEDT	-20000204AAF
22	WMEB-DT	ORONO ME	382.6	PLN	DTVPLN	-DTVP0457
22	WNJS-DT	CAMDEN NJ	400.7	CP	BPEDT	-20000425AAI
22	WNJS-DT	CAMDEN NJ	400.7	PLN	DTVPLN	-DTVP0468

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

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22	WLIW-DT	GARDEN CITY NY	237.8	CP	BPEDT	-19990607KE
22	WLIW-DT	GARDEN CITY NY	237.8	PLN	DTVPLN	-DTVP0471
22	WYOU	SCRANTON PA	417.1	LIC	BLCT	-19861015KF
22	WYOU	SCRANTON PA	417.1	CP	BPCT	-19960711KE
22	WVNY	BURLINGTON VT	341.9	LIC	BLCT	-19810108KE
23	WHSH-DT	MARLBOROUGH MA	82.0	APP	BMPCDT	-19981008KE
23	WHSH-DT	MARLBOROUGH MA	81.9	PLN	DTVPLN	-DTVP0497
23	WHSI-DT	SMITHTOWN NY	195.7	APP	BPCDT	-19991028ADR
23	WHSI-DT	SMITHTOWN NY	195.7	PLN	DTVPLN	-DTVP0507

Total scenarios = 8

Result key: 49
 Scenario 1 Affected station 5
 Before Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
 HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	72042	177.0
lost to additional IX by ATV	486932	418.6
lost to ATV IX only	548419	498.8
lost to all IX	558974	595.7

Potential Interfering Stations Included in above Scenario 1

22N MA SPRINGFIELD	BPCT	19930826KE	CP
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	DTVPLN	DTVP0431	PLN
22A NY GARDEN CITY	BPEDT	19990607KE	CP
23A MA MARLBOROUGH	DTVPLN	DTVP0497	PLN

After Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
 HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	72042	177.0
lost to additional IX by ATV	555080	487.1
lost to ATV IX only	617942	566.3
lost to all IX	627122	664.1

Potential Interfering Stations Included in above Scenario 1

22N MA SPRINGFIELD	BPCT	19930826KE	CP
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	DTVPLN	DTVP0431	PLN
22A NY GARDEN CITY	BPEDT	19990607KE	CP
23A MA MARLBOROUGH	BMPCDT	19981008KE	APP

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

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Result key: 50
 Scenario 2 Affected station 5
 Before Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
 HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	72042	177.0
lost to additional IX by ATV	486912	417.6
lost to ATV IX only	548399	496.9
lost to all IX	558954	594.7

Potential Interfering Stations Included in above Scenario 2

22N MA SPRINGFIELD	BPCT	19930826KE	CP
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	DTVPLN	DTVP0431	PLN
22A NY GARDEN CITY	DTVPLN	DTVP0471	PLN
23A MA MARLBOROUGH	DTVPLN	DTVP0497	PLN

After Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
 HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	72042	177.0
lost to additional IX by ATV	555060	486.1
lost to ATV IX only	617922	564.4
lost to all IX	627102	663.1

Potential Interfering Stations Included in above Scenario 2

22N MA SPRINGFIELD	BPCT	19930826KE	CP
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	DTVPLN	DTVP0431	PLN
22A NY GARDEN CITY	DTVPLN	DTVP0471	PLN
23A MA MARLBOROUGH	BMPCDT	19981008KE	APP

Result key: 51
 Scenario 3 Affected station 5
 Before Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
 HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	507670	438.2
lost to ATV IX only	548419	498.8

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

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lost to all IX 555665 560.4

Potential Interferring Stations Included in above Scenario 3

22N MA SPRINGFIELD	BLCT	19841128KJ	LIC
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	DTVPLN	DTVP0431	PLN
22A NY GARDEN CITY	BPEDT	19990607KE	CP
23A MA MARLBOROUGH	DTVPLN	DTVP0497	PLN

After Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN

HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	575818	506.7
lost to ATV IX only	617942	566.3
lost to all IX	623813	628.9

Potential Interferring Stations Included in above Scenario 3

22N MA SPRINGFIELD	BLCT	19841128KJ	LIC
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	DTVPLN	DTVP0431	PLN
22A NY GARDEN CITY	BPEDT	19990607KE	CP
23A MA MARLBOROUGH	BMPCDT	19981008KE	APP

Result key: 52

Scenario 4 Affected station 5

Before Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN

HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	507650	437.2
lost to ATV IX only	548399	496.9
lost to all IX	555645	559.5

Potential Interferring Stations Included in above Scenario 4

22N MA SPRINGFIELD	BLCT	19841128KJ	LIC
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	DTVPLN	DTVP0431	PLN
22A NY GARDEN CITY	DTVPLN	DTVP0471	PLN
23A MA MARLBOROUGH	DTVPLN	DTVP0497	PLN

After Analysis

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

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Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN

HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	575798	505.7
lost to ATV IX only	617922	564.4
lost to all IX	623793	627.9

Potential Interfering Stations Included in above Scenario 4

22N MA SPRINGFIELD	BLCT	19841128KJ	LIC
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	DTVPLN	DTVP0431	PLN
22A NY GARDEN CITY	DTVPLN	DTVP0471	PLN
23A MA MARLBOROUGH	BMPCDT	19981008KE	APP

Result key: 53

Scenario 5 Affected station 5

Before Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN

HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	72042	177.0
lost to additional IX by ATV	498232	378.5
lost to ATV IX only	559678	448.0
lost to all IX	570274	555.6

Potential Interfering Stations Included in above Scenario 5

22N MA SPRINGFIELD	BPCT	19930826KE	CP
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	BPEDT	20000216AAZ	APP
22A NY GARDEN CITY	BPEDT	19990607KE	CP
23A MA MARLBOROUGH	DTVPLN	DTVP0497	PLN

After Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN

HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	72042	177.0
lost to additional IX by ATV	565630	443.1
lost to ATV IX only	628732	513.5
lost to all IX	637672	620.1

Potential Interfering Stations Included in above Scenario 5

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

(page 7 of 9)

22N MA SPRINGFIELD	BPCT	19930826KE	CP
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	BPEDT	20000216AAZ	APP
22A NY GARDEN CITY	BPEDT	19990607KE	CP
23A MA MARLBOROUGH	BMPCDT	19981008KE	APP

Result key: 54
Scenario 6 Affected station 5
Before Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	72042	177.0
lost to additional IX by ATV	498212	377.5
lost to ATV IX only	559658	445.0
lost to all IX	570254	554.6

Potential Interfering Stations Included in above Scenario 6

22N MA SPRINGFIELD	BPCT	19930826KE	CP
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	BPEDT	20000216AAZ	APP
22A NY GARDEN CITY	DTVPLN	DTVP0471	PLN
23A MA MARLBOROUGH	DTVPLN	DTVP0497	PLN

After Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	72042	177.0
lost to additional IX by ATV	565610	442.1
lost to ATV IX only	628712	510.6
lost to all IX	637652	619.1

Potential Interfering Stations Included in above Scenario 6

22N MA SPRINGFIELD	BPCT	19930826KE	CP
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	BPEDT	20000216AAZ	APP
22A NY GARDEN CITY	DTVPLN	DTVP0471	PLN
23A MA MARLBOROUGH	BMPCDT	19981008KE	APP

Result key: 55
Scenario 7 Affected station 5
Before Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
HAAT 229.0 m, ATV ERP 155.0 kW

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

(page 8 of 9)

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	518909	394.2
lost to ATV IX only	559678	448.0
lost to all IX	566904	516.4

Potential Interfering Stations Included in above Scenario 7

22N MA SPRINGFIELD	BLCT	19841128KJ	LIC
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	BPEDT	20000216AAZ	APP
22A NY GARDEN CITY	BPEDT	19990607KE	CP
23A MA MARLBOROUGH	DTVPLN	DTVP0497	PLN

After Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
 HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	586307	458.7
lost to ATV IX only	628732	513.5
lost to all IX	634302	581.0

Potential Interfering Stations Included in above Scenario 7

22N MA SPRINGFIELD	BLCT	19841128KJ	LIC
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	BPEDT	20000216AAZ	APP
22A NY GARDEN CITY	BPEDT	19990607KE	CP
23A MA MARLBOROUGH	BMPCDT	19981008KE	APP

Result key: 56
 Scenario 8 Affected station 5
 Before Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
 HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	518889	393.2
lost to ATV IX only	559658	445.0
lost to all IX	566884	515.5

Potential Interfering Stations Included in above Scenario 8

22N MA SPRINGFIELD	BLCT	19841128KJ	LIC
22N VT BURLINGTON	BLCT	19810108KE	LIC

Exhibit 41 - Table 2

INTERFERENCE ANALYSIS RESULTS DETAIL

FCC INTERFERENCE PROGRAM OUTPUT FOR IMPACT TO ALLOTTED WLWC-DT

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21A RI PROVIDENCE	BPEDT	20000216AAZ	APP
22A NY GARDEN CITY	DTVPLN	DTVP0471	PLN
23A MA MARLBOROUGH	DTVPLN	DTVP0497	PLN

After Analysis

Results for: 22A MA NEW BEDFORD DTVPLN DTVP0456 PLN
HAAT 229.0 m, ATV ERP 155.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4119369	15542.8
not affected by terrain losses	4102745	15486.1
lost to NTSC IX	47995	122.3
lost to additional IX by ATV	586287	457.7
lost to ATV IX only	628712	510.6
lost to all IX	634282	580.0

Potential Interfering Stations Included in above Scenario 8

22N MA SPRINGFIELD	BLCT	19841128KJ	LIC
22N VT BURLINGTON	BLCT	19810108KE	LIC
21A RI PROVIDENCE	BPEDT	20000216AAZ	APP
22A NY GARDEN CITY	DTVPLN	DTVP0471	PLN
23A MA MARLBOROUGH	BMPCDT	19981008KE	APP