

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF
DTV CONSTRUCTION PERMIT
STATION WCTX-DT
FACILITY ID: 33081
NEW HAVEN, CONNECTICUT

February 21, 2003

CH 39 170 KW (MAX-DA) 301 M

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Technical Narrative

This Technical Exhibit supports an application for modification of construction permit for digital station WCTX-DT on channel 39 at New Haven, Connecticut. Specifically, this application will modify the WCTX-DT authorized construction permit (BMPCDT-20020305AAE) by changing the directional antenna system, decreasing the antenna radiation center height above average terrain (HAAT), and increasing the maximum directional effective radiated power (ERP). No other changes are proposed.

Station WCTX-DT is currently authorized for operation on channel 39 with a directional antenna maximum ERP of 100 kilowatts and an HAAT of 333 meters. It is proposed to operate with a maximum directional ERP of 170 kilowatts, an HAAT of 301 meters, and to replace the authorized antenna with a Dielectric TFU-16DSB-B(C) antenna.

A sketch of antenna and pertinent elevations are included as Figure 1. The FCC antenna registration number for the existing tower is 1043980.

Figure 2 is data for the Dielectric TFU-16DSB-B(C) directional antenna. A graph and tabulation of both

the horizontal and vertical antenna relative field patterns are included.

There are no known full service AM stations within 5 kilometers (3 miles) of the WCTX-DT transmitter site. The following is a list of authorized full service FM and TV stations within 16 kilometers (10 miles) of the proposed DTV site. Although no adverse electromagnetic impact is expected, the applicant recognizes its responsibility to correct problems which are a result of its proposed DTV operation.

<u>Station</u>	<u>Channel</u>	<u>Bearing(°True)</u>	<u>Distance(km)</u>
WPLR(FM), New Haven, CT	256B	0	0.0
WKCI-FM, Hamden, CT	267B	22	1.3
WYBC-FM, New Haven, CT	232A	192	8.3
WNHU(FM), West Haven, CT	204A	183	14.6
WRXC(FM), Shelton, CT	211A	243	15.1
WINH-DT, New Haven, CT	10	0	0.0
WTNH(TV), New Haven, CT	08	0	0.0
WCTX(TV), New Haven, CT	59	9	0.0
WEDY-DT, New Haven, CT	6	160	11.1
WEDY(TV), New Haven, CT	65	160	11.1
WTXX(TV), Waterbury, CT	20	332	11.9
WSAH(TV), Bridgeport, CT	43	243	15.1

The proposed transmitter site is 399 kilometers from the closest point of the Canadian border. The proposed DTV site is approximately 2571 kilometers from the closest point of the Mexican border. The closest FCC monitoring station is at Canandaigua, New York, approximately 392 kilometers to the northwest. The proposed DTV site is outside the National Radio Quiet Zone (VA/WVA), the closest point being more than 520 kilometers to the west-southwest. The closest point of the Table Mountain Radio Quiet Zone (CO) is more than 2700 kilometers to the west. The closest radio astronomy site operating on

TV channel 37 is at Hancock, New Hampshire, over 185 kilometers to the north-northeast. These separations are sufficient to not be a concern for coordination purposes.

Figure 3 is a map showing the predicted 41 dBu f(50,90) and 48 dBu f(50,90) contours for the proposed WCTX-DT operation. The extent of the contours has been calculated using the normal FCC prediction method and employing the N.G.D.C. 30-second terrain database. The New Haven city limits were derived from information contained in the 2000 U.S. Census for Connecticut.

Figure 4 is a DTV channel 39 separation study toward other NTSC and DTV allotments based on a 161 kilometer "buffer". Although the separation requirements are only applicable to new DTV allotments, they can be used as an indication of which stations have the potential of receiving interference from the proposed channel 39 DTV operation.

An interference analysis has been conducted using the procedures outlined in the FCC's OET-69 bulletin which demonstrates that the proposal complies with the interference protection provisions of Section 73.623(c)(2).¹ Interference calculations for the proposed WCTX-DT operation are summarized below.

¹ The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 1 km and a 0.5 km terrain increment were employed. A Unix based processor computer system was employed. The results have been found to be in very close agreement with the results of the FCC implementation of OET Bulletin No. 69.

Protected NTSC/DTV Station	FCC Service Population	Proposed Interference Population
WEDH(TV), Ch. 24, Hartford, CT	No Interference Calculated	
WNYE-TV, Ch. 25, New York, NY	No Interference Calculated	
WPXN-TV, Ch. 31, New York, NY	No Interference Calculated	
Licensed Facility	No Interference Calculated	
Pending Application	No Interference Calculated	
WSBE-TV, Ch. 36, Providence, RI	No Interference Calculated	
WSBK-TV, Ch. 38, Boston, MA	No Interference Calculated	
WWOR-DT, Ch. 38, Secaucus, NJ	17,928,925	11,013 (0.06%)
WSBK-DT, Ch. 39, Boston, MA	6,238,503	18,238 (0.29%)
Licensed Facility		26,095 (0.42%)
DTV Allotment	6,238,503	
WRGB-DT, Ch. 39, Schenectady, NY	1,465,010	7,520 (0.51%)
Authorized CP		9,355 (0.64%)
DTV Allotment	1,465,010	
WLTV-TV, Ch. 39, Allentown, PA	2,869,936	1,139 (0.04%)
WGGB-TV, Ch. 40, Springfield, MA	2,713,205	36,388 (1.34%)
WDPX-DT, Ch. 40, Vineyard Haven, MA	No Interference Calculated	
Pending Application	No Interference Calculated	
DTV Allotment		
WXIV-DT, Ch. 40, Paterson, NJ	16,565,722	12,556 (0.08%)
Authorized CP		16,507 (.10%)
DTV Allotment	16,565,722	
WXIV(TV), Ch. 41, Paterson, NJ	No Interference Calculated	
Authorized CP	No Interference Calculated	
Licensed Facility		
WSAH(TV), Ch. 43, Bridgeport, CT	3,021,819	32,617 (1.08%)
WNJU(TV), Ch. 47, Linden, NJ	No Interference Calculated	
Licensed	No Interference Calculated	
Authorized CP	No Interference Calculated	
Pending Application	No Interference Calculated	

From the above, it is apparent that the proposed WCTX-DT operation on channel 39 complies with the FCC's interference standard towards all authorized analog and DTV assignments.

Using the procedures outlined in the FCC's OET-69 Bulletin, interference studies were prepared with respect to co-channel and first adjacent Class A LPTV stations along with Class A stations operating on taboo channels. Based on our analysis it was found that the proposed

WCTX-DT facility would not cause prohibited interference to any Class A LPTV stations. The results of the interference analyses for the proposed WCTX-DT facility are summarized below.

Protected Class A Station	FCC Service Population	Proposed Interference Population
W36AS, Ch. 39, Edison, NJ	No Interference Calculated	
WEVT-LP, Ch. 39, Burlington, VT	No Interference Calculated	
WLBX-LP, Ch. 46, Manhattan, NY	No Interference Calculated	
WRNN-LP, Ch. 46, Nyack, NY Authorized CP	No Interference Calculated	

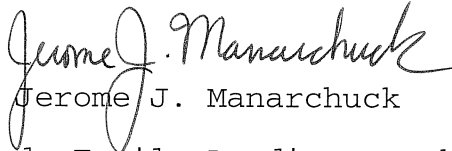
From the above, it is apparent that the proposed WCTX-DT operation on channel 39 complies with the FCC's interference standard towards all Class A stations.

Consideration has been given to the RF emission rules whose implementation date was October 15, 1997. The vertical relative field pattern and tabulation for the proposed antenna are shown on Figure 2. Based on a conservative relative field factor of 0.15, the proposed power density at 2 meters above ground at the tower base will be 0.0037 mW/cm^2 , which is less than 5% of the recommended limit of 0.42 mW/cm^2 for channel 39, applicable to general population/uncontrolled exposure areas. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the Commission's RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with warning signs. As this is a proposed multi-user site, an agreement will control access to the site. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average

exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down. The proposed operation appears to be otherwise categorically excluded from environmental processing.

If there are questions concerning the technical portion of this application, please contact the office of the undersigned.

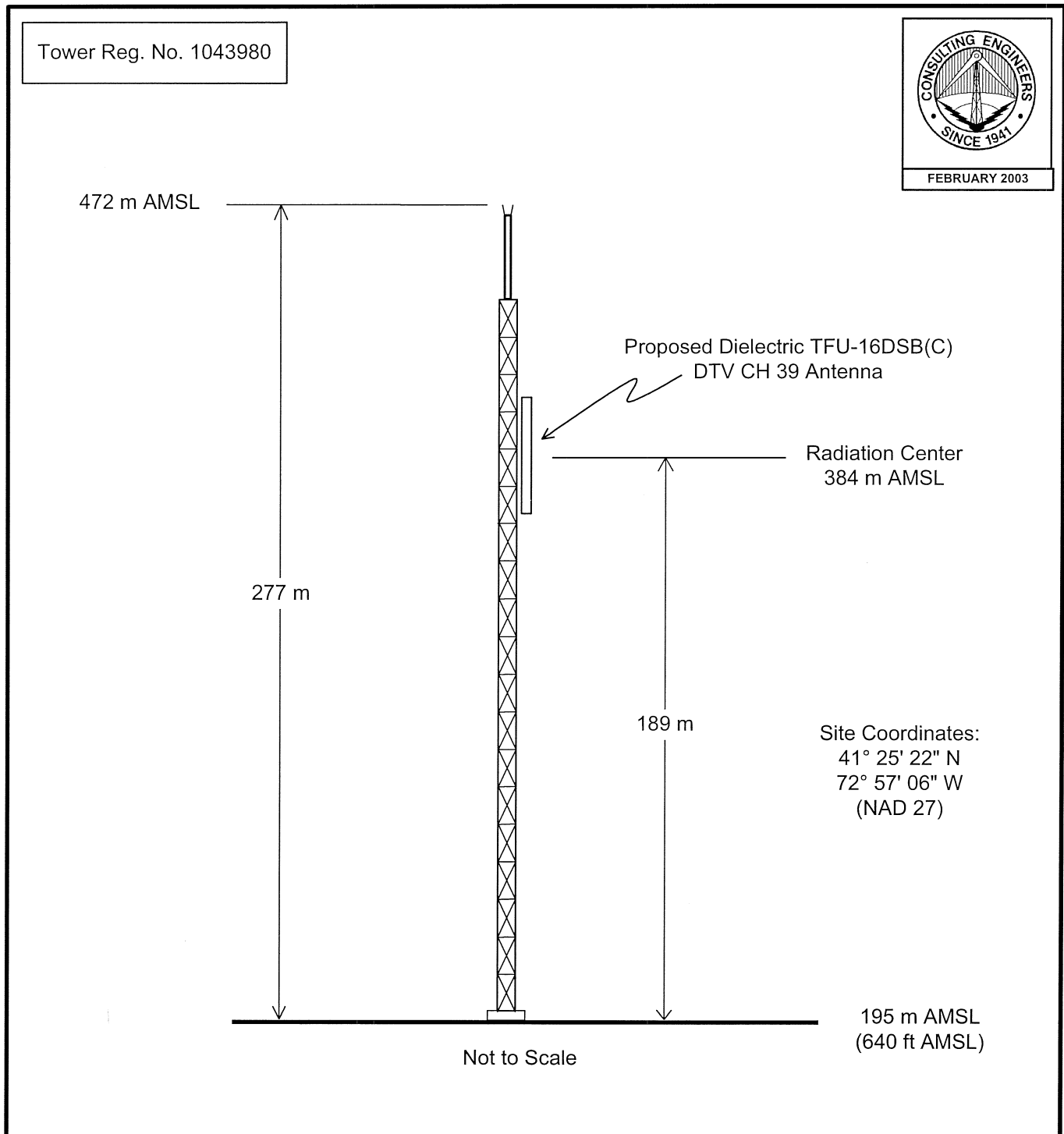
A handwritten signature in black ink, reading "Jerome J. Manarchuck". The signature is fluid and cursive, with the first name "Jerome" and last name "Manarchuck" clearly legible.

Jerome J. Manarchuck

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, Florida 34237

February 21, 2003

Figure 1



PROPOSED ANTENNA AND SUPPORTING STRUCTURE

DTV STATION WCTX-DT

NEW HAVEN, CONNECTICUT

CH 39 170 KW (MAX-DA) 301 M

du Treil, Lundin & Rackley, Inc., Sarasota, Florida

Exhibit No.

Dielectric

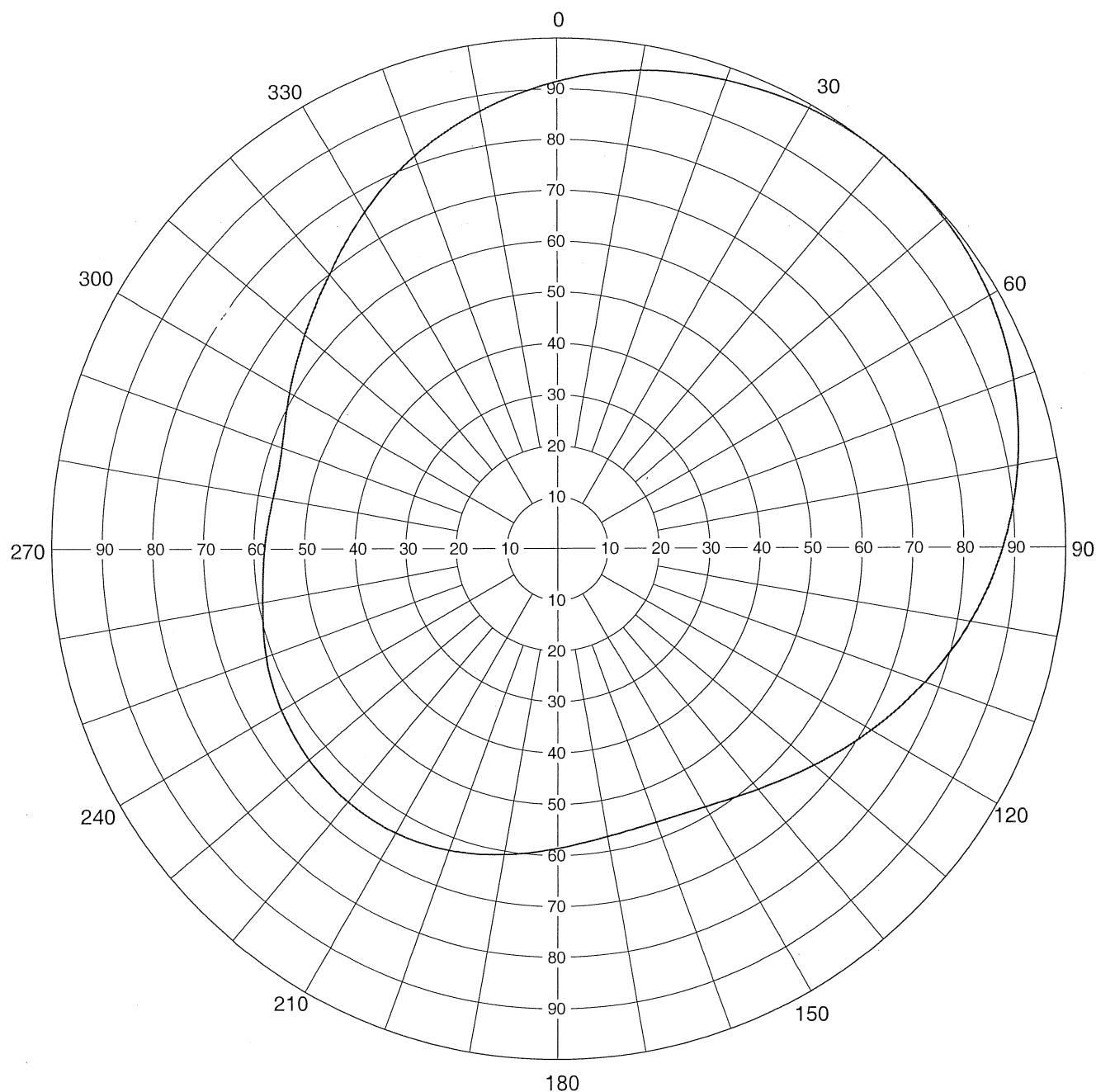
Date	13 Feb 2003	Channel	39
Call Letters			
Location	New Haven		
Customer			
Antenna Type	TFU-16DSB-B (C)		

AZIMUTH PATTERN

RMS Gain at Main Lobe
Calculated / Measured

1.70 (2.30 dB)
Calculated

Frequency 623 MHz
Drawing # DSB-B



ENGINEERING EXHIBIT
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Tabulation of Directional Antenna Pattern

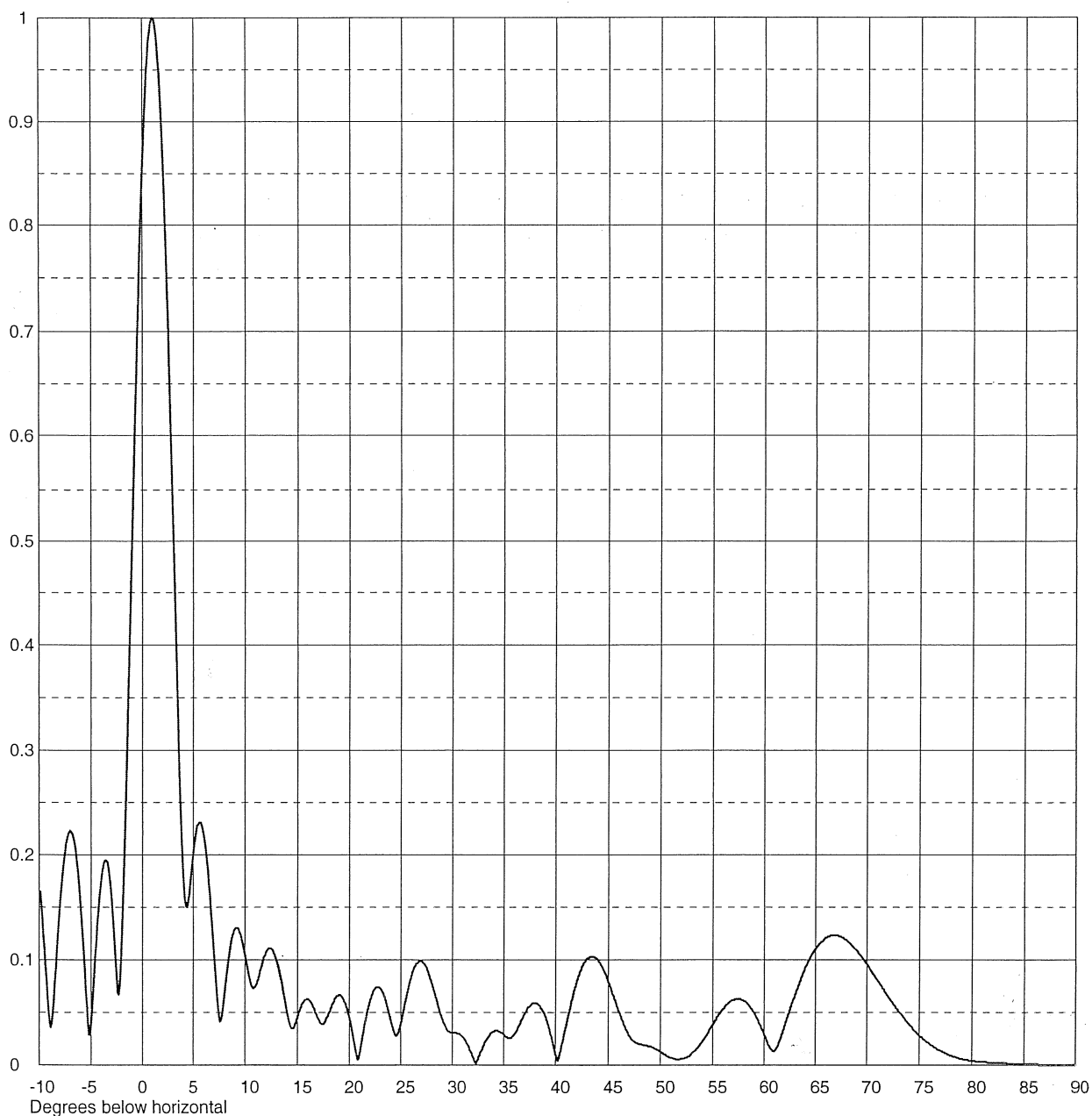
<u>Azimuth</u> <u>(deg. true)</u>	<u>Relative</u> <u>Field</u>	<u>Effective</u> <u>Radiated Power(kW)</u>	<u>Azimuth</u> <u>(deg true)</u>	<u>Relative</u> <u>Field</u>	<u>Effective</u> <u>Radiated Power(kW)</u>
0	0.915	142.33	180	0.623	65.98
10	0.951	153.75	190	0.642	70.07
20	0.978	162.60	200	0.659	73.83
30	0.994	167.97	210	0.672	76.77
40	1.000	170.00	220	0.676	77.69
50	0.994	167.97	230	0.672	76.77
60	0.978	162.60	240	0.659	73.83
70	0.951	153.75	250	0.642	70.07
80	0.915	142.33	260	0.623	65.98
90	0.871	128.97	270	0.608	62.84
100	0.820	114.31	280	0.602	61.61
110	0.767	100.01	290	0.609	63.05
120	0.715	86.91	300	0.631	67.69
130	0.668	75.86	310	0.668	75.86
140	0.631	67.69	320	0.715	86.91
150	0.609	63.05	330	0.767	100.01
160	0.602	61.61	340	0.820	114.31
170	0.608	62.84	350	0.871	128.97



Date	13 Feb 2003	Channel	39
Call Letters			
Location	New Haven		
Customer			
Antenna Type	TFU-16DSB-B (C)		

ELEVATION PATTERN

RMS Gain at Main Lobe	16.0 (12.04 dB)	Beam Tilt	1.00 Degrees
RMS Gain at Horizontal	11.8 (10.72 dB)	Frequency	623.00 MHz
Calculated / Measured	Calculated	Drawing #	16B160100-90





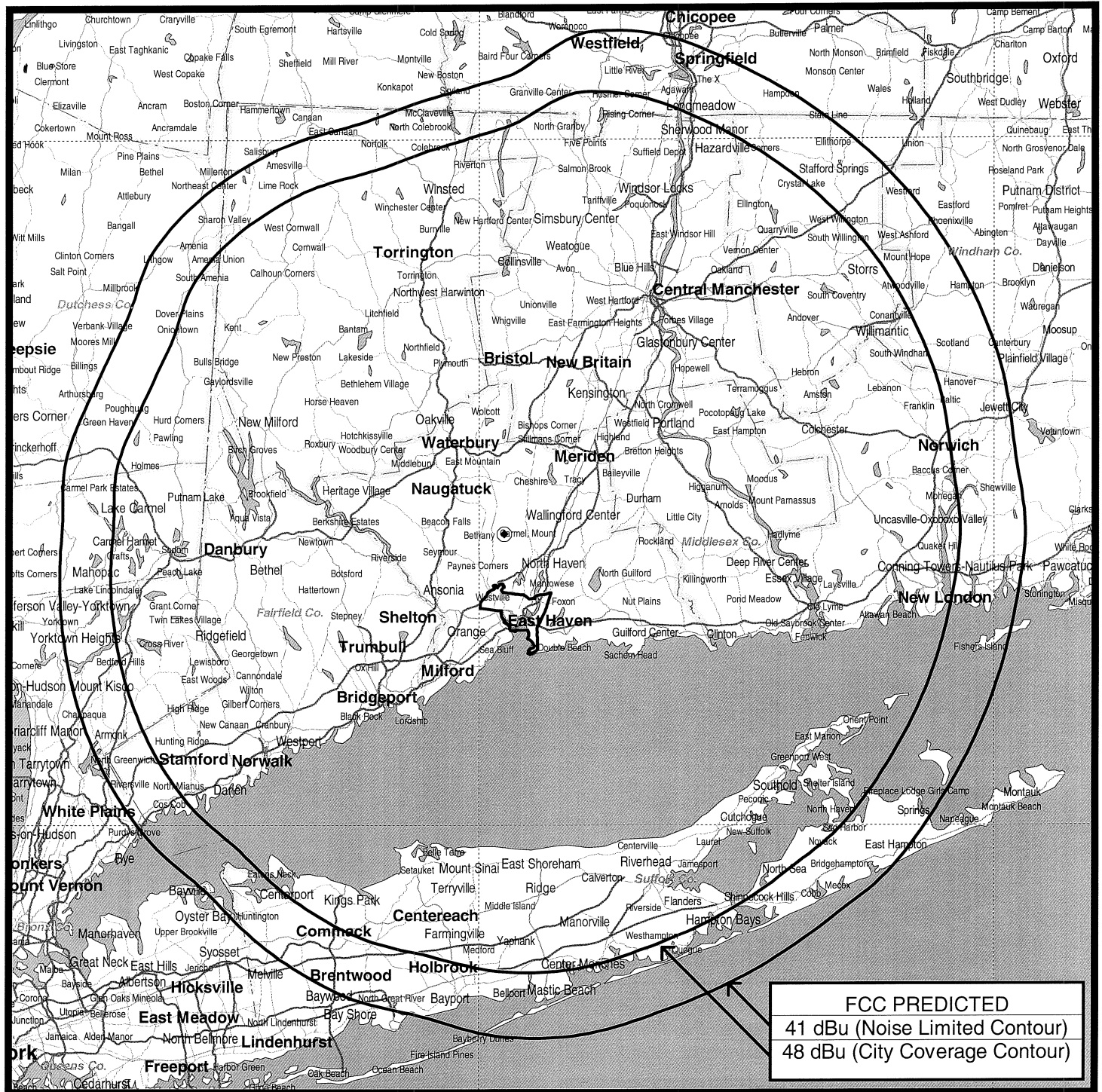
Date	13 Feb 2003	Channel	39
Call Letters			
Location	New Haven		
Customer			
Antenna Type	TFU-16DSB-B (C)		

Exhibit No.

TABULATION OF ELEVATION PATTERN

 Elevation Pattern Drawing # **16B160100-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.177	2.4	0.738	10.6	0.077	30.5	0.030	51.0	0.007	71.5	0.073
-9.5	0.110	2.6	0.667	10.8	0.073	31.0	0.027	51.5	0.005	72.0	0.066
-9.0	0.041	2.8	0.593	11.0	0.074	31.5	0.020	52.0	0.006	72.5	0.058
-8.5	0.077	3.0	0.517	11.5	0.090	32.0	0.008	52.5	0.007	73.0	0.051
-8.0	0.150	3.2	0.441	12.0	0.106	32.5	0.005	53.0	0.011	73.5	0.045
-7.5	0.203	3.4	0.366	12.5	0.111	33.0	0.017	53.5	0.016	74.0	0.039
-7.0	0.223	3.6	0.297	13.0	0.100	33.5	0.027	54.0	0.023	74.5	0.033
-6.5	0.204	3.8	0.235	13.5	0.077	34.0	0.032	54.5	0.030	75.0	0.028
-6.0	0.150	4.0	0.187	14.0	0.049	34.5	0.032	55.0	0.038	75.5	0.024
-5.5	0.071	4.2	0.157	14.5	0.035	35.0	0.029	55.5	0.046	76.0	0.020
-5.0	0.039	4.4	0.150	15.0	0.045	35.5	0.026	56.0	0.053	76.5	0.017
-4.5	0.118	4.6	0.162	15.5	0.059	36.0	0.029	56.5	0.059	77.0	0.014
-4.0	0.177	4.8	0.181	16.0	0.063	36.5	0.038	57.0	0.062	77.5	0.011
-3.5	0.194	5.0	0.201	16.5	0.056	37.0	0.048	57.5	0.063	78.0	0.009
-3.0	0.159	5.2	0.217	17.0	0.044	37.5	0.056	58.0	0.061	78.5	0.007
-2.8	0.130	5.4	0.228	17.5	0.039	38.0	0.059	58.5	0.057	79.0	0.006
-2.6	0.097	5.6	0.231	18.0	0.049	38.5	0.056	59.0	0.050	79.5	0.005
-2.4	0.069	5.8	0.229	18.5	0.061	39.0	0.046	59.5	0.040	80.0	0.004
-2.2	0.076	6.0	0.220	19.0	0.067	39.5	0.030	60.0	0.029	80.5	0.003
-2.0	0.123	6.2	0.205	19.5	0.061	40.0	0.010	60.5	0.018	81.0	0.003
-1.8	0.188	6.4	0.185	20.0	0.045	40.5	0.014	61.0	0.013	81.5	0.002
-1.6	0.261	6.6	0.161	20.5	0.020	41.0	0.037	61.5	0.023	82.0	0.002
-1.4	0.339	6.8	0.134	21.0	0.010	41.5	0.060	62.0	0.037	82.5	0.002
-1.2	0.420	7.0	0.106	21.5	0.038	42.0	0.079	62.5	0.052	83.0	0.002
-1.0	0.501	7.2	0.078	22.0	0.060	42.5	0.093	63.0	0.066	83.5	0.001
-0.8	0.582	7.4	0.054	22.5	0.072	43.0	0.101	63.5	0.080	84.0	0.001
-0.6	0.659	7.6	0.041	23.0	0.073	43.5	0.103	64.0	0.092	84.5	0.001
-0.4	0.732	7.8	0.047	23.5	0.062	44.0	0.100	64.5	0.102	85.0	0.001
-0.2	0.798	8.0	0.064	24.0	0.043	44.5	0.091	65.0	0.110	85.5	0.001
0.0	0.857	8.2	0.083	24.5	0.028	45.0	0.079	65.5	0.116	86.0	0.001
0.2	0.907	8.4	0.100	25.0	0.039	45.5	0.066	66.0	0.121	86.5	0.000
0.4	0.947	8.6	0.113	25.5	0.063	46.0	0.051	66.5	0.123	87.0	0.000
0.6	0.976	8.8	0.123	26.0	0.083	46.5	0.038	67.0	0.123	87.5	0.000
0.8	0.994	9.0	0.129	26.5	0.096	47.0	0.028	67.5	0.122	88.0	0.000
1.0	1.000	9.2	0.130	27.0	0.099	47.5	0.022	68.0	0.119	88.5	0.000
1.2	0.994	9.4	0.128	27.5	0.092	48.0	0.020	68.5	0.114	89.0	0.000
1.4	0.977	9.6	0.123	28.0	0.078	48.5	0.019	69.0	0.109	89.5	0.000
1.6	0.948	9.8	0.115	28.5	0.061	49.0	0.018	69.5	0.103	90.0	0.000
1.8	0.909	10.0	0.105	29.0	0.044	49.5	0.016	70.0	0.096		
2.0	0.860	10.2	0.094	29.5	0.033	50.0	0.013	70.5	0.088		
2.2	0.802	10.4	0.085	30.0	0.031	50.5	0.010	71.0	0.081		



PREDICTED COVERAGE CONTOURS

DTV STATION WCTX-DT
 NEW HAVEN, CONNECTICUT
 CH 39 170 KW (MAX-DA) 301 M

du Treil, Lundin & Rackley, Inc. Sarasota, FL

CDBS TV/DTV SEPARATION STUDY

Job Title:
Channel: 39
Class: VU
Type: DT

Separation Buffer: 161km
Coordinates: 41-25-22 72-57-06
Zone: I

Call Id	City St	File Status	Num	Channel Zone	ERP HAAT	DA Id	Latitude Longitude	Bear	Dist. (km)	Req. min	max
WEDH 13602	HARTFORD CT LIC C	BLET 341		24(Z) I	813.000 262	N	41-46-27 072-48-20	17.2	40.9 16.78	24.1 Short	80.5
WFXZ-C 64833	BOSTON MA LIC C	BLTTL 19990915AV		24(+)	26.000	D	42-18-27 071-13-27	54.9	173.9 93.36	0.0 Class A	0.0
W24BB 68137	EAST STROUD PA LIC C	BLTTL 19911219JM		24(-)	53.500	D	41-01-36 075-30-17	259.2	218.5 138.05	0.0 Class A	0.0
WNYE-T 6048	NEW YORK NY LIC C	BLET 19920220KG		25(Z) I	2450.000 395	D	40-44-54 073-59-10	229.5	114.7 34.24	24.1 Clear	80.5
WFXT 6463	BOSTON MA LIC C	BMLCT 19911001LV		25(+) I	1950.000 357	D	42-18-12 071-13-08	55.1	174.0 93.47	24.1 Clear	80.5
W25AW 74464	TRENTON NJ CP C	BPTTA 20021016AB		25(-)	10.000	D	40-14-48 074-42-53	229.2	197.9 117.42	0.0 Class A	0.0
WPXN-T 73356	NEW YORK NY LIC C	BLCT 19860703KH		31(-) I	2820.000 475	D	40-42-43 074-00-49	228.8	119.2 38.66	24.1 Clear	80.5
WPXN-T 136902	NEW YORK NY APP C	BPFS 20020425AB		31(-) I	2800.000 193	D	40-48-08 074-14-48	238.0	128.8 48.27	24.1 Clear	80.5
WNNE 73344	HARTFORD VT CP C	BPCT 20020516AA		31(Z) I	1820.000 684	D	43-26-38 072-27-17	10.1	228.2 147.70	24.1 Clear	80.5
WNNE 73344	HARTFORD VT LIC C	BLCT 19791119LG		31(Z) I	2240.000 677	D	43-26-38 072-27-17	10.1	228.2 147.70	24.1 Clear	80.5
WBPX 7692	BOSTON MA APP C	BPCT 20020213AA		32(+) I	700.000 292	D	42-18-27 071-13-27	54.9	173.9 93.36	24.1 Clear	80.5
WQPX 64690	SCRANTON PA APP C	BPCT 20020111AA		32(Z) I	400.000 491	D	41-25-36 075-44-52	271.0	233.7 153.24	24.1 Clear	80.5
WRNN-L 38945	NYACK NY CP C	BPTTL 19980601WU		35(+)	0.800	D	41-09-07 073-47-10	246.9	76.1 4.40	0.0 Class A	0.0
WSBE-T 56092	PROVIDENCE RI LIC C	BLET 19860926KP		36(Z) I	1230.000 182		41-48-18 071-28-24	70.4	130.3 49.83	24.1 Clear	80.5
WWOR-T 74197	SECAUCUS NJ CP C	BPCDT 19990304KE		38() I	143.000 448	N	40-42-43 074-00-49	228.8	119.2 9.16	24.0 Close	110.0
DWWORT NJ DTV	SECAUCUS			38() I	136.400 500	D	40-42-43 074-00-49	228.8	119.2 9.16	24.0 Close	110.0

CDBS TV/DTV SEPARATION STUDY

Job Title:

Channel: 39

Class: VU

Type: DT

Separation Buffer: 161km

Coordinates: 41-25-22 72-57-06

Zone: I

Call Id	City St	File Status	Channel Num	ERP Zone	DA HAAT	Latitude Id	Longitude	Bear	Dist. (km)	Req. min	max
WSBK-T 73982	BOSTON MA LIC C	BLCT 19910619KG	38(Z) I	2340.000 354	N 30540	42-18-12 071-13-08		55.1	174.0 67.97	12.0 Clear	106.0
WSWB 73374	SCRANTON PA LIC C	BLCT 19870831KF	38(+) I	1290.000 385		41-26-09 075-43-45		271.3	232.2 126.17	12.0 Clear	106.0
WPHA-L 72278	PHILADELPHI PA CP C	BMPTT 19980514JD	38(-) I	40.000 17727	D	40-03-33 075-14-20		232.6	245.5 139.46	0.0 Class A	0.0
WCTX 33081	NEW HAVEN CT CP C	BMPCD 20020305AA	39() I	100.000 333	D 42793	41-25-22 072-57-06		103.9	0.0 196.30	196.3 Short	196.3
DWEDY CT DTV	NEW HAVEN		39() I	50.000 82	D	41-19-42 072-54-25		160.4	11.1 185.16	196.3 Short	196.3
W36AS 16389	EDISON NJ CP C	BPTTL 20020425AB	39(-) I	35.000 44806	C	40-31-45 074-23-34		231.1	156.7 60.58	0.0 Class A	0.0
WRGB 73942	SCHENECTADY NY CP C	BPCDT 19991029AD	39() I	746.000 426	N 42347	42-37-31 074-00-38		327.2	159.8 36.52	196.3 Short	196.3
DWRGB NY DTV	SCHENECTADY		39() I	1000.000 311	D	42-38-12 073-59-45		327.8	160.2 36.12	196.3 Short	196.3
WSBK-T 73982	BOSTON MA LIC C	BLCDT 20021009AA	39() I	135.000 390	N 41474	42-18-37 071-14-14		54.6	173.1 23.16	196.3 Short	196.3
DWSBKT MA DTV	BOSTON		39() I	70.800 354	D	42-18-12 071-13-08		55.1	174.0 22.33	196.3 Short	196.3
WLVT-T 36989	ALLENTOWN PA LIC C	BLET 429	39(Z) I	575.000 302		40-33-58 075-26-06		246.3	229.6 12.30	217.3 Close	217.3
WBVT-L 20588	BURLINGTON VT LIC C	BLTTL 19940620JB	39(Z) I	63.000 16381	D	44-21-52 072-55-53		0.3	326.8 109.49	0.0 Class A	0.0
	ST-HYACINTH QU CAN		39() I	0.000 0		45-38-00 072-57-00	B	0.1	467.8 123.80	344.0 Clear	344.0
	STE-ADELE QU CAN		39() I	0.000 0		45-54-42 074-06-44	A	349.8	507.4 144.44	363.0 Clear	363.0
WGGB-T 25682	SPRINGFIELD MA LIC C	BLCT 19990429KH	40(Z) I	4270.000 324	D 17192	42-14-30 072-38-57		15.3	94.4 11.64	12.0 Short	106.0
DWXTV NJ DTV	PATERSON		40() I	69.100 421	D	40-44-54 073-59-10		229.5	114.7 4.74	24.0 Close	110.0

CDBS TV/DTV SEPARATION STUDY

Job Title:
Channel: 39
Class: VU
Type: DT

Separation Buffer: 161km
Coordinates: 41-25-22 72-57-06
Zone: I

Call Id	City St	File Status	Num	Channel Zone	ERP HAAT	DA Id	Latitude Longitude	Bear	Dist. (km)	Req. min max
WXTV 74215	PATERSON NJ CP	C	BPCDT 19991028AE	40 () I	300.000 421	D 29858	40-44-54 073-59-10	229.5	114.7 4.74	24.0 110.0 Close
DWZBU	VINEYARD MA DTV	HA		40 () I	50.000 155	D	41-41-19 070-20-49	81.4	219.3 109.30	24.0 110.0 Clear
WDPX 6476	VINEYARD MA APP	C	BPCDT 19991101AF	40 () I	300.000 153	D 42283	41-41-20 070-20-49	81.4	219.3 109.30	24.0 110.0 Clear
WICZ-T 62210	BINGHAMTON NY LIC	C	BLCT 19900206KG	40 (-) I	468.000 375	N	42-03-22 075-56-39	286.8	258.7 152.69	12.0 106.0 Clear
WXTV 74215	PATERSON NJ LIC	C	BLCT 19920218KE	41 (-) I	2340.000 421	D 17280	40-44-54 073-59-10	229.5	114.7 34.24	24.1 80.5 Clear
WXTV 74215	PATERSON NJ CP	C	BPCT 20000202AA	41 (-) I	2340.000 421	D 31174	40-44-54 073-59-10	229.5	114.7 34.24	24.1 80.5 Clear
WVTA 69943	WINDSOR VT APP	C	BPET 20020507AA	41 (Z) I	875.000 692	N 43401	43-26-15 072-27-08	10.2	227.5 147.03	24.1 80.5 Clear
WVTA 69943	WINDSOR VT LIC	C	BLET 19900213KE	41 (Z) I	1050.000 684	D	43-26-15 072-27-09	10.2	227.5 147.03	24.1 80.5 Clear
WVTA 69943	WINDSOR VT CP	C	BPET 19990413KF	41 (Z) I	1050.000 693	D 19011	43-26-15 072-27-08	10.2	227.5 147.04	24.1 80.5 Clear
WSAH 70493	BRIDGEPORT CT LIC	C	BLCT 19871009KE	43 (-) I	2290.000 156	D 18267	41-21-43 073-06-48	243.4	15.1 8.99	24.1 80.5 Close
WRNN-L 38945	NYACK NY CP	C	BPTTA 20020228AD	46 (+) I	2.500 18092	D	41-09-07 073-47-10	246.9	76.1 4.40	0.0 0.0 Class A
WRNN-L 38945	NYACK NY CP	C	BMJPT 20021008AB	46 (+) I	2.500 18092	D	41-09-07 073-47-10	246.9	76.1 4.40	0.0 0.0 Class A
WLBX-L 14322	MANHATTAN NY CP	C	BPTTL 20000915AA	46 (Z) I	50.000 44580	C	40-44-46 073-58-52	229.2	114.6 34.09	0.0 0.0 Class A
WWDP 23671	NORWELL MA APP	C	BPCT 19990322KF	46 (+) I	1910.000 247	D 19010	42-00-45 071-05-35	66.4	168.0 87.47	24.1 80.5 Clear
WWDP 23671	NORWELL MA LIC	C	BLCT 19970116KE	46 (+) I	501.000 107	D 18038	42-01-36 071-03-35	66.2	171.1 90.62	24.1 80.5 Clear
WNJU 73333	LINDEN NJ APP	C	BMPCT 20001121AH	47 (+) I	3330.000 407.5	D 37604	40-44-54 073-59-10	229.5	114.7 34.24	24.1 80.5 Clear
WNJU 73333	LINDEN NJ LIC	C	BLCT 19800423KE	47 (+) I	4570.000 460	D 33736	40-42-43 074-00-49	228.8	119.2 38.66	24.1 80.5 Clear
WNJU 73333	LINDEN NJ CP	C	BPCT 19991028AA	47 (+) I	4000.000 458	D 32770	40-42-43 074-00-49	228.8	119.2 38.66	24.1 80.5 Clear