

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/space/software/cdb/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-19-2011 Time: 18:13:09

Record Selected for Analysis

WPHL-TV BLCDDT -20090918ABV PHILADELPHIA PA US
Channel 17 ERP 645. kW HAAT 00324 m RCMSL 00389 m
Latitude 040-02-30 Longitude 0075-14-23
Status LIC Zone 1 Border Site number: 01
Last update 00000000 Cutoff date 00000000 Docket
Comments
Applicant TRIBUNE TELEVISION COMPANY, DEBTOR-I

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	645.000	315.7	94.7	
45.0	645.000	289.6	91.3	
90.0	645.000	344.5	97.5	
135.0	645.000	367.3	99.3	
180.0	645.000	351.9	98.1	
225.0	645.000	303.5	93.2	
270.0	645.000	274.4	88.8	
315.0	645.000	348.6	97.8	

Evaluation toward Class A Stations from site # 01

Station inside contour of Class A station
WTSD-CA 14 WILMINGTON DE BLTTA 20041206AAM

Class A Evaluation Complete

Checks to Site Number 01

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 0.53km from AM station

PHILADELPHIA PA WNWR Status: L Antenna: DAD

Proposed station is 0.53km from AM station

PHILADELPHIA PA WNWR Status: P Antenna: DA2

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN	
17	WPHL-TV	PHILADELPHIA PA	BLCDDT	20090918ABV

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WTSD-CA	WILMINGTON DE	0.3	LIC	BLTTA	20041206AAM
14	WTSD-CA	PHILADELPHIA PA	54.3	APP	BSTA	20070531AEA
17	WEHR-CD	MANHATTAN NY	132.0	LIC	BLDTA	20090831ACL
17	WSYR-TV	SYRACUSE NY	329.2	LIC	BLCDDT	20030812ABK
17	WJMB-CD	BUTLER PA	405.5	CP	BDISDTL	20081124AAW
17	WPXQ-TV	BLOCK ISLAND RI	332.6	LIC	BLCDDT	20050811AAT
17	WKTD-CD	PORTSMOUTH VA	374.7	LIC	BLTTA	20050316ACC
17	WXOB-LP	RICHMOND VA	334.1	LIC	BLTTA	20020809AAN
18	WMBC-TV	NEWTON NJ	126.8	CP	BPCDDT	20080620ABX
18	WMBC-TV	NEWTON NJ	126.8	LIC	BLCDDT	20060803AMO
18	WMBC-TV	NEWTON NJ	132.0	CP MOD	BMPCDDT	20091130ALN +
24	W24BB	EAST STROUDSBURG PA	111.7	APP	BSTA	20100802AUF
24	W24BB	EAST STROUDSBURG PA	111.7	LIC	BLTTL	19911219JM
25	W25AW	TRENTON NJ	50.1	LIC	BLTTA	20030512ABW

+ Indicates station is part of a DTS

%%%

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	WEHR-CD	MANHATTAN NY	BLDTA	-20090831ACL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	W17CD	STAMFORD CT	51.8	LIC	BLTTL	-20070201BSO
17	WLIG-LD	MORRISTOWN NJ	44.4	LIC	BLDTL	-20080221ABE
17	DW44BC	BRENTWOOD NY	80.9	APP	BMP TTL	-19960517UQ
17	W17CR	PLAINVIEW, ETC. NY	47.4	CP MOD	BMP TTL	-20050510ACC
17	WSYR-TV	SYRACUSE NY	296.8	LIC	BLC DT	-20030812ABK
17	WPHL-TV	PHILADELPHIA PA	132.0	LIC	BLC DT	-20090918ABV
17	WPHL-TV	PHILADELPHIA PA	131.8	PLN	DTVPLN	-DTVP0602
17	WPXQ-TV	BLOCK ISLAND RI	202.1	LIC	BLC DT	-20050811AAT
18	WMBC-TV	NEWTON NJ	22.2	CP	BPC DT	-20080620ABX
18	WMBC-TV	NEWTON NJ	22.2	LIC	BLC DT	-20060803AMO
18	WMBC-TV	NEWTON NJ	0.0	CP MOD	BMPC DT	-20091130ALN
18	WMBC-TV	NEWTON NJ	22.2	CP MOD	BMPC DT	-20091130ALN

Total scenarios = 9

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1657484	791.0
lost to ATV IX only	1657484	791.0
lost to all IX	1657484	791.0

Potential Interfering Stations Included in above Scenario 1

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BPC DT	20080620ABX	CP
17A PA PHILADELPHIA	DTVPLN	DTVP0602	PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1788375	847.5
lost to ATV IX only	1788375	847.5
lost to all IX	1788375	847.5

Potential Interfering Stations Included in above Scenario 1

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BPC DT	20080620ABX	CP
17A PA PHILADELPHIA	BLC DT	20090918ABV	LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDT 20090918ABV
ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m
Antenna CDB 999999999999999

Due to interference to the following station and scenario: 1

17D NY MANHATTAN BLDTA 20090831ACL
ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m
Antenna CDB 00000000093110

Percent new interference from proposal: 1.3399 to BLDTA 20090831ACL

Result key: 2
Scenario 2 Affected station 3
Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	435131	137.2
lost to ATV IX only	435131	137.2
lost to all IX	435131	137.2

Potential Interfering Stations Included in above Scenario 2

17A NJ MORRISTOWN BLDTL 20080221ABE LIC
18A NJ NEWTON BLCDT 20060803AMO LIC
17A PA PHILADELPHIA DTVPLN DTVP0602 PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	636073	222.0
lost to ATV IX only	636073	222.0
lost to all IX	636073	222.0

Potential Interfering Stations Included in above Scenario 2

17A NJ MORRISTOWN BLDTL 20080221ABE LIC
18A NJ NEWTON BLCDT 20060803AMO LIC
17A PA PHILADELPHIA BLCDT 20090918ABV LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDT 20090918ABV
ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m
Antenna CDB 999999999999999

Due to interference to the following station and scenario: 2

17D NY MANHATTAN BLDTA 20090831ACL

ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m
Antenna CDB 00000000093110

Percent new interference from proposal: 1.8282 to BLDTA 20090831ACL

Result key: 3
Scenario 3 Affected station 3
Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1056158	613.4
lost to ATV IX only	1056158	613.4
lost to all IX	1056158	613.4

Potential Interfering Stations Included in above Scenario 3

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BMPCDT	20091130ALN	CP
17A PA PHILADELPHIA	DTVPLN	DTVP0602	PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1257100	694.1
lost to ATV IX only	1257100	694.1
lost to all IX	1257100	694.1

Potential Interfering Stations Included in above Scenario 3

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BMPCDT	20091130ALN	CP
17A PA PHILADELPHIA	BLCDDT	20090918ABV	LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDDT 20090918ABV
ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m
Antenna CDB 99999999999999

Due to interference to the following station and scenario: 3
17D NY MANHATTAN BLDTA 20090831ACL
ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m
Antenna CDB 00000000093110

Percent new interference from proposal: 1.9377 to BLDTA 20090831ACL

Result key: 4
Scenario 4 Affected station 3
Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	58552	28.3
lost to additional IX by ATV	1611047	770.8
lost to ATV IX only	1657484	791.0
lost to all IX	1669599	799.1

Potential Interfering Stations Included in above Scenario 4

17N NY BRENTWOOD	BMPTTL	19960517UQ	APP
17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BPCDT	20080620ABX	CP
17A PA PHILADELPHIA	DTVPLN	DTVP0602	PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	58552	28.3
lost to additional IX by ATV	1741938	827.3
lost to ATV IX only	1788375	847.5
lost to all IX	1800490	855.6

Potential Interfering Stations Included in above Scenario 4

17N NY BRENTWOOD	BMPTTL	19960517UQ	APP
17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BPCDT	20080620ABX	CP
17A PA PHILADELPHIA	BLCDT	20090918ABV	LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDT 20090918ABV
ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m
Antenna CDB 9999999999999999

Due to interference to the following station and scenario: 4

17D NY MANHATTAN BLDTA 20090831ACL
ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m
Antenna CDB 00000000093110

Percent new interference from proposal: 1.3416 to BLDTA 20090831ACL

Result key: 5
Scenario 5 Affected station 3
Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	58552	28.3
lost to additional IX by ATV	403266	129.1
lost to ATV IX only	435131	137.2
lost to all IX	461818	157.4

Potential Interfering Stations Included in above Scenario 5

17N NY BRENTWOOD	BMPTTL	19960517UQ	APP
17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BLCDDT	20060803AMO	LIC
17A PA PHILADELPHIA	DTVPLN	DTVP0602	PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	58552	28.3
lost to additional IX by ATV	604208	213.9
lost to ATV IX only	636073	222.0
lost to all IX	662760	242.1

Potential Interfering Stations Included in above Scenario 5

17N NY BRENTWOOD	BMPTTL	19960517UQ	APP
17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BLCDDT	20060803AMO	LIC
17A PA PHILADELPHIA	BLCDDT	20090918ABV	LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDDT 20090918ABV
ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m
Antenna CDB 9999999999999999

Due to interference to the following station and scenario: 5

17D NY MANHATTAN BLDTA 20090831ACL
ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m
Antenna CDB 00000000093110

Percent new interference from proposal: 1.8327 to BLDTA 20090831ACL

Result key: 6
Scenario 6 Affected station 3
Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3

not affected by terrain losses	11426115	2974.3
lost to NTSC IX	58552	28.3
lost to additional IX by ATV	1024293	605.4
lost to ATV IX only	1056158	613.4
lost to all IX	1082845	633.6

Potential Interfering Stations Included in above Scenario 6

17N NY BRENTWOOD	BMPTTL	19960517UQ	APP
17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BMPCDT	20091130ALN	CP
17A PA PHILADELPHIA	DTVPLN	DTVP0602	PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC

HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	58552	28.3
lost to additional IX by ATV	1225235	686.1
lost to ATV IX only	1257100	694.1
lost to all IX	1283787	714.3

Potential Interfering Stations Included in above Scenario 6

17N NY BRENTWOOD	BMPTTL	19960517UQ	APP
17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BMPCDT	20091130ALN	CP
17A PA PHILADELPHIA	BLCDDT	20090918ABV	LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDDT 20090918ABV

ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m

Antenna CDB 9999999999999999

Due to interference to the following station and scenario: 6

17D NY MANHATTAN BLDTA 20090831ACL

ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m

Antenna CDB 00000000093110

Percent new interference from proposal: 1.9427 to BLDTA 20090831ACL

Result key: 7

Scenario 7 Affected station 3

Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC

HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1657484	791.0
lost to ATV IX only	1657484	791.0

lost to all IX 1657484 791.0

Potential Interfering Stations Included in above Scenario 7

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BPCDT	20080620ABX	CP
17A PA PHILADELPHIA	DTVPLN	DTVP0602	PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1788375	847.5
lost to ATV IX only	1788375	847.5
lost to all IX	1788375	847.5

Potential Interfering Stations Included in above Scenario 7

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BPCDT	20080620ABX	CP
17A PA PHILADELPHIA	BLCDDT	20090918ABV	LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDDT 20090918ABV
ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m
Antenna CDB 999999999999999

Due to interference to the following station and scenario: 7

17D NY MANHATTAN BLDTA 20090831ACL
ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m
Antenna CDB 00000000093110

Percent new interference from proposal: 1.3399 to BLDTA 20090831ACL

Result key: 8
Scenario 8 Affected station 3
Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC
HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	435131	137.2
lost to ATV IX only	435131	137.2
lost to all IX	435131	137.2

Potential Interfering Stations Included in above Scenario 8

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BLCDDT	20060803AMO	LIC

17A PA PHILADELPHIA DTVPLN DTVP0602 PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC

HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	636073	222.0
lost to ATV IX only	636073	222.0
lost to all IX	636073	222.0

Potential Interfering Stations Included in above Scenario 8

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BLCDDT	20060803AMO	LIC
17A PA PHILADELPHIA	BLCDDT	20090918ABV	LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDDT 20090918ABV
ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m
Antenna CDB 9999999999999999

Due to interference to the following station and scenario: 8

17D NY MANHATTAN BLDTA 20090831ACL
ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m
Antenna CDB 00000000093110

Percent new interference from proposal: 1.8282 to BLDTA 20090831ACL

Result key: 9
Scenario 9 Affected station 3
Before Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC

HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1056158	613.4
lost to ATV IX only	1056158	613.4
lost to all IX	1056158	613.4

Potential Interfering Stations Included in above Scenario 9

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BMPCDT	20091130ALN	CP
17A PA PHILADELPHIA	DTVPLN	DTVP0602	PLN

After Analysis

Results for: 17A NY MANHATTAN BLDTA 20090831ACL LIC

HAAT 321.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11426115	2974.3
not affected by terrain losses	11426115	2974.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1257100	694.1
lost to ATV IX only	1257100	694.1
lost to all IX	1257100	694.1

Potential Interfering Stations Included in above Scenario 9

17A NJ MORRISTOWN	BLDTL	20080221ABE	LIC
18A NJ NEWTON	BMPCDT	20091130ALN	CP
17A PA PHILADELPHIA	BLCDDT	20090918ABV	LIC

The following station failed the de minimis interference criteria.

17D PA PHILADELPHIA BLCDDT 20090918ABV
 ERP 645.00 kW HAAT 324.0 m RCAMSL 389.0 m
 Antenna CDB 9999999999999999

Due to interference to the following station and scenario: 9

17D NY MANHATTAN BLDTA 20090831ACL
 ERP 0.31 kW HAAT 321.0 m RCAMSL 321.0 m
 Antenna CDB 00000000093110

Percent new interference from proposal: 1.9377 to BLDTA 20090831ACL

Worst case new IX 1.9427% Scenario 6

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