

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

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
/export/home/cdb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-16-2014

Record Selected for Analysis

WSWB USERRECORD-01 SCRANTON PA US
Channel 31 ERP 100. kW HAAT 356. m RCAMSL 00710 m
Latitude 041-26-09 Longitude 0075-43-44
Status APP Zone 1 Border Site number: 01
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 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	100.000	335.8	81.986
45.0	100.000	242.0	73.689
90.0	100.000	365.8	84.914
135.0	100.000	326.1	80.991
180.0	100.000	426.1	88.772
225.0	100.000	352.6	83.691
270.0	100.000	423.1	88.617
315.0	100.000	376.9	85.825

Evaluation toward Class A Stations from site # 01

Station inside contour of Class A station
W24DB 24 CLARKS SUMMIT PA BLTTA 20041202ADB

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 within the Canadian coordination distance
Distance to border = 259.6km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station	
	Call	City/State
31	WSWB	SCRANTON PA

ARN
USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	W16AX	ITHACA NY	127.4	APP	BSTA 20130412ABK
16	W16AX	ITHACA NY	127.4	LIC	BLTTA 20010302ABE
24	W24DB	CLARKS SUMMIT PA	0.0	LIC	BLTTA 20041202ADB
24	W24BB	EAST STROUDSBURG PA	49.2	LIC	BLTTL 19911219JM
30	WFUT-DT	NEWARK NJ	164.8	LIC	BLCDT 20090618ABZ

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

30	WSKA	CORNING NY	136.5	LIC	BLEDT	20060705ABL
30	WUTR	UTICA NY	195.4	LIC	BLCDT	20040217ADC
30	WGCN-TV	RED LION PA	184.8	LIC	BLCDT	20050615AAB
31	WTIC-TV	HARTFORD CT	242.7	LIC	BLCDT	20101222AAE
31	WPPX-TV	WILMINGTON DE	160.4	LIC	BLCDT	20031203AFL
31	WPPX-TV	WILMINGTON DE	160.4	CP	BPCDT	20080620AMP
31	WFXT	BOSTON MA	385.5	LIC	BLCDT	20090422ABH
31	WNCE-CD	GLENS FALLS NY	262.7	LIC	BLDTA	20100812ABN
31	WPXN-TV	NEW YORK NY	164.7	APP	BMPCDT	20080620ALZ
31	WPXN-TV	NEW YORK NY	164.8	LIC	BLCDT	20110729AAQ
31	WSWB-DR	SCRANTON PA	0.0	APP	BPRM	20080619ALI
32	WPSG	PHILADELPHIA PA	160.4	CP	BPCDT	20111024ACS
32	WPSG	PHILADELPHIA PA	160.4	LIC	BLCDT	20021025AAS
32	WQPX-TV	SCRANTON PA	0.2	LIC	BLCDT	20060629AFR
35	WYLN-LP	HAZLETON PA	55.2	LIC	BLTTL	19950324IE

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	W16AX	ITHACA NY	BSTA	-20130412ABK

Stations Potentially Affecting This Station

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.
16	W16AX	ITHACA NY	BLTTA	-20010302ABE

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

%%%

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	W24DB	CLARKS SUMMIT PA	BLTTA	-20041202ADB

Stations Potentially Affecting This Station

Proposal causes no interference

%%%

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
24	W24BB	EAST STROUDSBURG PA	BLTTL	-19911219JM

Stations Potentially Affecting This Station

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.
30	WFUT-DT	NEWARK NJ	BLCDT	-20090618ABZ

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

Stations Potentially Affecting This Station

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.
30	WSKA	CORNING NY	BLEDT	-20060705ABL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WKTV	UTICA NY	204.8	LIC	BLCDDT	-20060630ACL
29	WQMY	WILLIAMSPORT PA	104.7	LIC	BLCDDT	-20090223ABU
30	WFUT-DT	NEWARK NJ	300.5	LIC	BLCDDT	-20090618ABZ
30	WUTR	UTICA NY	191.3	LIC	BLCDDT	-20040217ADC
30	WBNX-TV	AKRON OH	392.0	LIC	BLCDDT	-20070430AXX
30	WGCB-TV	RED LION PA	252.0	LIC	BLCDDT	-20050615AAB
30	WNVN	GOLDVEIN VA	391.7	LIC	BLCDDT	-20031230AAR
31	WSWB-DR	SCRANTON PA	136.5	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	136.5	PLN	DTVPLN	-DTVP1151
31	WSWB	SCRANTON PA	136.5	APP	USERRECORD-01	

Total scenarios = 3

Result key: 1

Scenario 1 Affected station 6

Before Analysis

Results for: 30A NY CORNING BLEDT 20060705ABL LIC

HAAT 334.0 m, ATV ERP 25.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	478099	15017.8
not affected by terrain losses	351715	12453.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4441	258.9
lost to ATV IX only	4441	258.9
lost to all IX	4441	258.9

Potential Interfering Stations Included in above Scenario 1

30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
30A NY UTICA	BLCDDT	20040217ADC	LIC
30A PA RED LION	BLCDDT	20050615AAB	LIC
31A PA SCRANTON	DTVPLN	DTVP1151	PLN

After Analysis

Results for: 30A NY CORNING BLEDT 20060705ABL LIC

HAAT 334.0 m, ATV ERP 25.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	478099	15017.8
not affected by terrain losses	351715	12453.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4483	260.9
lost to ATV IX only	4483	260.9
lost to all IX	4483	260.9

Potential Interfering Stations Included in above Scenario 1

30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
30A NY UTICA	BLCDDT	20040217ADC	LIC
30A PA RED LION	BLCDDT	20050615AAB	LIC
31A PA SCRANTON	USERRECORD01		APP

Percent new IX = 0.0121%

Worst case new IX 0.0121% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WUTR	UTICA NY	BLCDDT	-20040217ADC

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WGCB-TV	RED LION PA	BLCDDT -20050615AAB

Stations Potentially Affecting This Station

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.
31	WTIC-TV	HARTFORD CT	BLCDDT -20101222AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WBZ-TV	BOSTON MA	148.0	LIC	BLCDDT -20060420ABG
30	WFUT-DT	NEWARK NJ	143.4	LIC	BLCDDT -20090618ABZ
31	WPPX-TV	WILMINGTON DE	273.7	LIC	BLCDDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	273.7	CP	BPCDDT -20080620AMP
31	WFXT	BOSTON MA	149.0	LIC	BLCDDT -20090422ABH
31	WPXN-TV	NEW YORK NY	147.9	APP	BMPCDDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	143.4	LIC	BLCDDT -20110729AAQ
31	WSWB-DR	SCRANTON PA	242.7	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	242.7	PLN	DTVPLN -DTVP1151
32	WBPX-TV	BOSTON MA	148.8	LIC	BLCDDT -20040723ACG
31	WSWB	SCRANTON PA	242.7	APP	USERRECORD-01

Total scenarios = 10

Result key: 5

Scenario 2 Affected station 9

Before Analysis

Results for: 31A CT HARTFORD BLCDDT 20101222AAE LIC

HAAT 506.0 m, ATV ERP 495.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5078945	32555.8
not affected by terrain losses	4511315	28825.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	759831	4300.9
lost to ATV IX only	759831	4300.9
lost to all IX	759831	4300.9

Potential Interfering Stations Included in above Scenario 2

30A MA BOSTON	BLCDDT	20060420ABG	LIC
30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A DE WILMINGTON	BPCDDT	20080620AMP	CP
31A MA BOSTON	BLCDDT	20090422ABH	LIC
31A NY NEW YORK	BLCDDT	20110729AAQ	LIC
32A MA BOSTON	BLCDDT	20040723ACG	LIC
31A PA SCRANTON	DTVPLN	DTVP1151	PLN

After Analysis

Results for: 31A CT HARTFORD BLCDDT 20101222AAE LIC

HAAT 506.0 m, ATV ERP 495.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5078945	32555.8
not affected by terrain losses	4511315	28825.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	759871	4303.9
lost to ATV IX only	759871	4303.9
lost to all IX	759871	4303.9

Potential Interfering Stations Included in above Scenario 2

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

30A MA BOSTON	BLCDT	20060420ABG	LIC
30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A DE WILMINGTON	BPCDT	20080620AMP	CP
31A MA BOSTON	BLCDT	20090422ABH	LIC
31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A MA BOSTON	BLCDT	20040723ACG	LIC
31A PA SCRANTON	USERRECORD01		APP

Percent new IX = 0.0011%

Worst case new IX 0.0011% Scenario 2

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WPPX-TV	WILMINGTON DE	BLCDT	-20031203AFL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WFUT-DT	NEWARK NJ	131.8	LIC	BLCDT	-20090618ABZ
30	WGCB-TV	RED LION PA	115.7	LIC	BLCDT	-20050615AAB
31	WTIC-TV	HARTFORD CT	273.7	LIC	BLCDT	-20101222AAE
31	WFXT	BOSTON MA	419.6	LIC	BLCDT	-20090422ABH
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	160.4	PLN	DTVPLN	-DTVP1151
31	WAVY-TV	PORTSMOUTH VA	374.8	LIC	BLCDT	-20010409ABP
32	WPSG	PHILADELPHIA PA	0.0	CP	BPCDT	-20111024ACS
32	WPSG	PHILADELPHIA PA	0.0	LIC	BLCDT	-20021025AAS
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDT	-20060629AFR
31	WSWB	SCRANTON PA	160.4	APP	USERRECORD-01	

Total scenarios = 10

Result key: 14

Scenario 1 Affected station 10

Before Analysis

Results for: 31A DE WILMINGTON BLCDT 20031203AFL LIC

HAAT 374.0 m, ATV ERP 200.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	7742169	22258.1
not affected by terrain losses	7565178	21583.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	604245	2533.0
lost to ATV IX only	604245	2533.0
lost to all IX	604245	2533.0

Potential Interfering Stations Included in above Scenario 1

30A NJ NEWARK	BLCDT	20090618ABZ	LIC
30A PA RED LION	BLCDT	20050615AAB	LIC
31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A NY NEW YORK	BLCDT	20110729AAQ	LIC
32A PA PHILADELPHIA	BPCDT	20111024ACS	CP
31A PA SCRANTON	DTVPLN	DTVP1151	PLN

After Analysis

Results for: 31A DE WILMINGTON BLCDT 20031203AFL LIC

HAAT 374.0 m, ATV ERP 200.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	7742169	22258.1
not affected by terrain losses	7565178	21583.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	617375	2556.5
lost to ATV IX only	617375	2556.5
lost to all IX	617375	2556.5

Potential Interfering Stations Included in above Scenario 1

30A NJ NEWARK	BLCDT	20090618ABZ	LIC
30A PA RED LION	BLCDT	20050615AAB	LIC
31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A NY NEW YORK	BLCDT	20110729AAQ	LIC

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

32A PA PHILADELPHIA BPCDT 20111024ACS CP
31A PA SCRANTON USERRECORD01 APP

Percent new IX = 0.1886%

Worst case new IX 0.1886% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WPPX-TV	WILMINGTON DE	BPCDT	-20080620AMP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WFUT-DT	NEWARK NJ	131.8	LIC	BLCDDT	-20090618ABZ
30	WGCB-TV	RED LION PA	115.7	LIC	BLCDDT	-20050615AAB
31	WTIC-TV	HARTFORD CT	273.7	LIC	BLCDDT	-20101222AAE
31	WFXT	BOSTON MA	419.6	LIC	BLCDDT	-20090422ABH
31	WPXN-TV	NEW YORK NY	127.6	APP	BMPCDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	131.8	LIC	BLCDDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	160.4	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	160.4	PLN	DTVPLN	-DTVPI151
31	WAVY-TV	PORTSMOUTH VA	374.8	LIC	BLCDDT	-20010409ABP
32	WPSG	PHILADELPHIA PA	0.0	CP	BPCDDT	-20111024ACS
32	WPSG	PHILADELPHIA PA	0.0	LIC	BLCDDT	-20021025AAS
32	WQPX-TV	SCRANTON PA	160.3	LIC	BLCDDT	-20060629AFR
31	WSWB	SCRANTON PA	160.4	APP	USERRECORD-01	

Total scenarios = 5

Result key: 24

Scenario 1 Affected station 11

Before Analysis

Results for: 31A DE WILMINGTON BPCDT 20080620AMP CP

HAAT 374.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	10038501	31106.5
not affected by terrain losses	9887099	30183.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1883008	4186.2
lost to ATV IX only	1883008	4186.2
lost to all IX	1883008	4186.2

Potential Interfering Stations Included in above Scenario 1

Worst case new IX 0.0862% Scenario 1

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WFXT	BOSTON MA	BLCDDT	-20090422ABH

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WNCE-CD	GLENS FALLS NY	BLDTA	-20100812ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WUTR	UTICA NY	117.1	LIC	BLCDDT	-20040217ADC
30	W30DM-D	MANCHESTER, ETC. VT	52.7	LIC	BLDTT	-20111118ARB

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

31	WTIC-TV	HARTFORD CT	191.4	LIC	BLCDDT	-20101222AAE
31	WPPX-TV	WILMINGTON DE	381.6	LIC	BLCDDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	381.6	CP	BPCDDT	-20080620AMP
31	WFXT	BOSTON MA	233.3	LIC	BLCDDT	-20090422ABH
31	W31BP	BURLINGTON, ETC. NY	130.5	LIC	BLTTTL	-19980120JE
31	WPXN-TV	NEW YORK NY	287.2	APP	BMPCDDT	-20080620ALZ
31	WPXN-TV	NEW YORK NY	283.1	LIC	BLCDDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	262.7	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	262.7	PLN	DTVPLN	-DTVP1151
31	WSWB	SCRANTON PA	262.7	APP	USERRECORD-01	

Total scenarios = 5

Result key: 31
 Scenario 3 Affected station 13
 Before Analysis

Results for: 31A NY GLENS FALLS BLDTA 20100812ABN LIC
 HAAT 402.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	412661	6957.1
not affected by terrain losses	388127	5761.6
lost to NTSC IX	1566	109.5
lost to additional IX by ATV	3190	142.7
lost to ATV IX only	4322	211.1
lost to all IX	4756	252.2

Potential Interfering Stations Included in above Scenario 3

31N NY BURLINGTON, ETC.	BLTTTL	19980120JE	LIC
30A VT MANCHESTER, ETC.	BLDTT	20111118ARB	LIC
31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A NY NEW YORK	BMPCDDT	20080620ALZ	APP
31A PA SCRANTON	DTVPLN	DTVP1151	PLN

After Analysis

Results for: 31A NY GLENS FALLS BLDTA 20100812ABN LIC
 HAAT 402.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	412661	6957.1
not affected by terrain losses	388127	5761.6
lost to NTSC IX	1566	109.5
lost to additional IX by ATV	3192	143.7
lost to ATV IX only	4324	214.1
lost to all IX	4758	253.2

Potential Interfering Stations Included in above Scenario 3

31N NY BURLINGTON, ETC.	BLTTTL	19980120JE	LIC
30A VT MANCHESTER, ETC.	BLDTT	20111118ARB	LIC
31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A NY NEW YORK	BMPCDDT	20080620ALZ	APP
31A PA SCRANTON	USERRECORD01		APP

Percent new IX = 0.0005%

Worst case new IX 0.0005% Scenario 3

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WPXN-TV	NEW YORK NY	BMPCDDT	-20080620ALZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WFUT-DT	NEWARK NJ	4.6	LIC	BLCDDT	-20090618ABZ
31	WTIC-TV	HARTFORD CT	147.9	LIC	BLCDDT	-20101222AAE
31	WPPX-TV	WILMINGTON DE	127.6	LIC	BLCDDT	-20031203AFL
31	WPPX-TV	WILMINGTON DE	127.6	CP	BPCDDT	-20080620AMP
31	WFXT	BOSTON MA	292.1	LIC	BLCDDT	-20090422ABH
31	WSWB-DR	SCRANTON PA	164.7	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	164.7	PLN	DTVPLN	-DTVP1151
32	WPSG	PHILADELPHIA PA	127.6	CP	BPCDDT	-20111024ACS
32	WPSG	PHILADELPHIA PA	127.6	LIC	BLCDDT	-20021025AAS
32	WQPX-TV	SCRANTON PA	164.4	LIC	BLCDDT	-20060629AFR
31	WSWB	SCRANTON PA	164.7	APP	USERRECORD-01	

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

Total scenarios = 12

Result key: 34
Scenario 1 Affected station 14
Before Analysis

Results for: 31A NY NEW YORK BMPCDT 20080620ALZ APP

HAAT 458.0 m, ATV ERP 285.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19619130	27395.2
not affected by terrain losses	19304068	25688.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1206405	4595.0
lost to ATV IX only	1206405	4595.0
lost to all IX	1206405	4595.0

Potential Interfering Stations Included in above Scenario 1

30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A MA BOSTON	BLCDT	20090422ABH	LIC
32A PA PHILADELPHIA	BPCDT	20111024ACS	CP
31A PA SCRANTON	DTVPLN	DTVP1151	PLN

After Analysis

Results for: 31A NY NEW YORK BMPCDT 20080620ALZ APP

HAAT 458.0 m, ATV ERP 285.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19619130	27395.2
not affected by terrain losses	19304068	25688.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1208384	4629.8
lost to ATV IX only	1208384	4629.8
lost to all IX	1208384	4629.8

Potential Interfering Stations Included in above Scenario 1

30A NJ NEWARK	BLCDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDT	20031203AFL	LIC
31A MA BOSTON	BLCDT	20090422ABH	LIC
32A PA PHILADELPHIA	BPCDT	20111024ACS	CP
31A PA SCRANTON	USERRECORD01		APP

Percent new IX = 0.0109%

Worst case new IX 0.0109% Scenario 1

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WPPX-TV	NEW YORK NY	BLCDT -20110729AAQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	0.0	LIC	BLCDT -20090618ABZ
31	WTIC-TV	HARTFORD CT	143.4	LIC	BLCDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	131.8	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	131.8	CP	BPCDT -20080620AMP
31	WFXT	BOSTON MA	287.9	LIC	BLCDT -20090422ABH
31	WSWB-DR	SCRANTON PA	164.8	APP	BPRM -20080619ALI
31	WSWB	SCRANTON PA	164.8	PLN	DTVPLN -DTVP1151
32	WPSG	PHILADELPHIA PA	131.8	CP	BPCDT -20111024ACS
32	WPSG	PHILADELPHIA PA	131.8	LIC	BLCDT -20021025AAS
32	WQPX-TV	SCRANTON PA	164.5	LIC	BLCDT -20060629AFR
31	WSWB	SCRANTON PA	164.8	APP	USERRECORD-01

Total scenarios = 12

Result key: 46
Scenario 1 Affected station 15
Before Analysis

Results for: 31A NY NEW YORK BLCDT 20110729AAQ LIC

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

HAAT 360.0 m, ATV ERP 180.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	18936324	22181.2
not affected by terrain losses	18680222	20813.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1198014	3670.7
lost to ATV IX only	1198014	3670.7
lost to all IX	1198014	3670.7

Potential Interfering Stations Included in above Scenario 1

30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDDT	20031203AFL	LIC
31A MA BOSTON	BLCDDT	20090422ABH	LIC
32A PA PHILADELPHIA	BPCDDT	20111024ACS	CP
31A PA SCRANTON	DTVPLN	DTVP1151	PLN

After Analysis

Results for: 31A NY NEW YORK BLCDDT 20110729AAQ LIC

HAAT 360.0 m, ATV ERP 180.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	18936324	22181.2
not affected by terrain losses	18680222	20813.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1201351	3696.5
lost to ATV IX only	1201351	3696.5
lost to all IX	1201351	3696.5

Potential Interfering Stations Included in above Scenario 1

30A NJ NEWARK	BLCDDT	20090618ABZ	LIC
31A CT HARTFORD	BLCDDT	20101222AAE	LIC
31A DE WILMINGTON	BLCDDT	20031203AFL	LIC
31A MA BOSTON	BLCDDT	20090422ABH	LIC
32A PA PHILADELPHIA	BPCDDT	20111024ACS	CP
31A PA SCRANTON	USERRECORD01		APP

Percent new IX = 0.0191%

Worst case new IX 0.0191% Scenario 1

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WSWB-DR	SCRANTON PA	BPRM -20080619ALI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WFUT-DT	NEWARK NJ	164.8	LIC	BLCDDT -20090618ABZ
30	WSKA	CORNING NY	136.5	LIC	BLEDDT -20060705ABL
30	WUTR	UTICA NY	195.4	LIC	BLCDDT -20040217ADC
30	WGCB-TV	RED LION PA	184.8	LIC	BLCDDT -20050615AAB
31	WTIC-TV	HARTFORD CT	242.7	LIC	BLCDDT -20101222AAE
31	WPPX-TV	WILMINGTON DE	160.4	LIC	BLCDDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	160.4	CP	BPCDDT -20080620AMP
31	WFXT	BOSTON MA	385.5	LIC	BLCDDT -20090422ABH
31	WPXN-TV	NEW YORK NY	164.7	APP	BMPCDDT -20080620ALZ
31	WPXN-TV	NEW YORK NY	164.8	LIC	BLCDDT -20110729AAQ
31	WSWB	SCRANTON PA	0.0	PLN	DTVPLN -DTVP1151
32	WPSG	PHILADELPHIA PA	160.4	CP	BPCDDT -20111024ACS
32	WPSG	PHILADELPHIA PA	160.4	LIC	BLCDDT -20021025AAS
32	WQPX-TV	SCRANTON PA	0.3	LIC	BLCDDT -20060629AFR
31	WSWB	SCRANTON PA	0.0	APP	USERRECORD-01

Total scenarios = 4

Result key: 61
Scenario 4 Affected station 16
Before Analysis

Results for: 31A PA SCRANTON BPRM 20080619ALI APP

HAAT 352.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1423062	22453.9
not affected by terrain losses	1045393	18501.9
lost to NTSC IX	0	0.0

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

lost to additional IX by ATV	737213	11745.9
lost to ATV IX only	737213	11745.9
lost to all IX	737213	11745.9

Potential Interfering Stations Included in above Scenario 4

30A NY CORNING	BLEDT	20060705ABL	LIC
31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A DE WILMINGTON	BPCDT	20080620AMP	CP
31A NY NEW YORK	BMPCDT	20080620ALZ	APP
32A PA PHILADELPHIA	BPCDT	20111024ACS	CP
32A PA SCRANTON	BLCDT	20060629AFR	LIC
31A PA SCRANTON	DTVPLN	DTVPL151	PLN

After Analysis

Results for: 31A PA SCRANTON BPRM 20080619ALI APP

HAAT 352.0 m, ATV ERP 100.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1423062	22453.9
not affected by terrain losses	1045393	18501.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	733406	11618.0
lost to ATV IX only	733406	11618.0
lost to all IX	733406	11618.0

Potential Interfering Stations Included in above Scenario 4

30A NY CORNING	BLEDT	20060705ABL	LIC
31A CT HARTFORD	BLCDT	20101222AAE	LIC
31A DE WILMINGTON	BPCDT	20080620AMP	CP
31A NY NEW YORK	BMPCDT	20080620ALZ	APP
32A PA PHILADELPHIA	BPCDT	20111024ACS	CP
32A PA SCRANTON	BLCDT	20060629AFR	LIC
31A PA SCRANTON	USERRECORD01		APP

Percent new IX = -1.2353%

Worst case new IX -1.2353% Scenario 4

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WPSG	PHILADELPHIA PA	BPCDT -20111024ACS

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WPSG	PHILADELPHIA PA	BLCDT -20021025AAS

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	WQPX-TV	SCRANTON PA	BLCDT -20060629AFR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
31	WPPX-TV	WILMINGTON DE	160.3	LIC	BLCDT -20031203AFL
31	WPPX-TV	WILMINGTON DE	160.3	CP	BPCDT -20080620AMP
31	WPXN-TV	NEW YORK NY	164.4	APP	BMPCDT -20080620ALZ

OET-69 Interference Analysis (WSWB(TV), Scranton, PA, Ch. 31) (Summary Results)

31	WPXN-TV	NEW YORK NY	164.5	LIC	BLCDDT	-20110729AAQ
31	WSWB-DR	SCRANTON PA	0.3	APP	BPRM	-20080619ALI
31	WSWB	SCRANTON PA	0.2	PLN	DTVPLN	-DTVP1151
32	WBPX-TV	BOSTON MA	385.0	LIC	BLCDDT	-20040723ACG
32	WNLO	BUFFALO NY	317.1	LIC	BLCDDT	-20070320AAV
32	WTAJ-TV	ALTOONA PA	247.3	LIC	BLCDDT	-20051018ACE
32	WPSG	PHILADELPHIA PA	160.3	CP	BPCDDT	-20111024ACS
32	WPSG	PHILADELPHIA PA	160.3	LIC	BLCDDT	-20021025AAS
32	WETK	BURLINGTON VT	417.2	LIC	BLEDT	-20061011ADW
33	WCBS-TV	NEW YORK NY	164.4	APP	BMPCDDT	-20080619AAZ
33	WCBS-TV	NEW YORK NY	164.5	LIC	BLCDDT	-20090612AFN
31	WSWB	SCRANTON PA	0.2	APP	USERRECORD-01	

Total scenarios = 12

Result key: 67
Scenario 6 Affected station 19
Before Analysis

Results for: 32A PA SCRANTON BLCDDT 20060629AFR LIC
HAAT 354.0 m, ATV ERP 528.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1448436	25311.5
not affected by terrain losses	1103726	21295.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	60031	1109.3
lost to ATV IX only	60031	1109.3
lost to all IX	60031	1109.3

Potential Interfering Stations Included in above Scenario 6

31A DE WILMINGTON	BLCDDT	20031203AFL	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
32A NY BUFFALO	BLCDDT	20070320AAV	LIC
32A PA ALTOONA	BLCDDT	20051018ACE	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC
31A PA SCRANTON	DTVPLN	DTVP1151	PLN

After Analysis

Results for: 32A PA SCRANTON BLCDDT 20060629AFR LIC
HAAT 354.0 m, ATV ERP 528.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1448436	25311.5
not affected by terrain losses	1103726	21295.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59819	1101.4
lost to ATV IX only	59819	1101.4
lost to all IX	59819	1101.4

Potential Interfering Stations Included in above Scenario 6

31A DE WILMINGTON	BLCDDT	20031203AFL	LIC
31A PA SCRANTON	BPRM	20080619ALI	APP
32A NY BUFFALO	BLCDDT	20070320AAV	LIC
32A PA ALTOONA	BLCDDT	20051018ACE	LIC
32A PA PHILADELPHIA	BLCDDT	20021025AAS	LIC
31A PA SCRANTON	USERRECORD01		APP

Percent new IX = -0.0203%

Worst case new IX -0.0203% Scenario 6

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Analysis of Interference to Affected Station 20

Analysis of current record
Channel Call City/State Application Ref. No.
35 WYLN-LP HAZLETON PA BLTTL -19950324IE

Stations Potentially Affecting This Station

Proposal causes no interference

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