

**TV INTERFERENCE and SPACING ANALYSIS PROGRAM**  
**OET-69 ANALYSYS WLNY Riverhead, New York**  
**(Interference Analysis to other stations does not include WLNY Baseline**  
**Interference caused)**

Date: 04-21-2008      Time: 09:50:31

Record Selected for Analysis

WLNY      USERRECORD-01      RIVERHEAD      NY US  
Channel 47 ERP 1000. kW    HAAT 193. m    RCAMSL 00216 m  
Latitude 040-53-50    Longitude 0072-54-56  
Status APP      Zone 1      Border  
Dir Antenna Make usr    Model USRPAT01      Beam tilt N    Ref Azimuth 0.  
Last update      Cutoff date      Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	14.400	202.1	61.1
45.0	12.100	193.3	59.7
90.0	116.964	195.7	71.1
135.0	35.156	197.9	65.3
180.0	14.884	202.4	61.3
225.0	385.020	182.8	76.3
270.0	857.476	178.0	80.5
315.0	28.392	191.6	63.8

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

## SPACING VIOLATION FOUND BETWEEN STATION

WLNY 47 RIVERHEAD NY USERRECORD01

and station

SHORT TO: WUVN 46 HARTFORD CT BMPCDT 20011011AAU  
 041-46-30 0072-48- 4  
 Req. separation => 24.0 <= 110.0 Actual separation 98.0 Short 12.0( 74.0) km

SHORT TO: WLNY 47 RIVERHEAD NY BSRCT 20060228ALR  
 040-53-50 0072-54-56  
 Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: WRNN-TV 48 KINGSTON NY BMPCDT 20040203AAJ  
 041-29-18 0073-56-56  
 Req. separation => 24.0 <= 110.0 Actual separation 108.7 Short 1.3( 84.7) km

## LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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 OK toward AM broadcast stations

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## Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
47	WLNY	RIVERHEAD NY	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WUVN	HARTFORD CT	98.0	CP MOD	BMPCDT	-20011011AAU
46	WFMZ-TV	ALLENTOWN PA	215.8	CP MOD	BMPCDT	-20030415ABQ
47	WYDN	WORCESTER MA	210.5	CP	BPEDT	-20000501AHM
47	WMDT	SALISBURY MD	359.1	CP MOD	BMPCDT	-20000501ABT
47	WTVH	SYRACUSE NY	349.4	LIC	BLCDT	-20060809ACB
47	WPMT	YORK PA	326.2	LIC	BLCDT	-20040305ABF
48	WRNN-TV	KINGSTON NY	108.6	CP MOD	BMPCDT	-20040203AAJ

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## Analysis of Interference to Affected Station 1

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	WUVN	HARTFORD CT	BMPCDT	-20011011AAU

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
45	WEDH	HARTFORD CT	8.4	CP	BPEDT	-19990113KG
46	WBFF	BALTIMORE MD	423.1	CP	BPCDT	-19980803KR
46	WFMZ-TV	ALLENTOWN PA	258.5	CP MOD	BMPCDT	-20030415ABQ
47	WYDN	WORCESTER MA	143.0	CP	BPEDT	-20000501AHM
47	WLNY	RIVERHEAD NY	98.0	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
 Scenario 1 Affected station 1  
 Before Analysis

Results for: 46A CT HARTFORD BMPCDT 20011011AAU CP

HAAT 269.0 m, ATV ERP 217.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3794337	19920.9
not affected by terrain losses	3576374	18127.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	196666	1600.1
lost to ATV IX only	196666	1600.1
lost to all IX	196666	1600.1

Potential Interfering Stations Included in above Scenario 1

45A CT HARTFORD	BPEDT	19990113KG	CP
46A PA ALLENTOWN	BMPCDT	20030415ABQ	CP

After Analysis

Results for: 46A CT HARTFORD BMPCDT 20011011AAU CP  
 HAAT 269.0 m, ATV ERP 217.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3794337	19920.9
not affected by terrain losses	3576374	18127.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	217153	1616.2
lost to ATV IX only	217153	1616.2
lost to all IX	217153	1616.2

Potential Interfering Stations Included in above Scenario 1

45A CT HARTFORD	BPEDT	19990113KG	CP
46A PA ALLENTOWN	BMPCDT	20030415ABQ	CP
47A NY RIVERHEAD	USERRECORD01		APP
*Percent Service lost without proposal:	0.0	to BMPCDT	20011011AAU
*Percent Service lost with proposal:	0.6	to BMPCDT	20011011AAU

Note: Interference below allotment baseline value of 2.3%

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
46	WFMZ-TV	ALLENTOWN PA	BMPCDT -20030415ABQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
45	WOLF-TV	HAZLETON PA	77.7	LIC	BLCDDT -20050906ACK
46	WUVN	HARTFORD CT	258.5	CP MOD	BMPCDT -20011011AAU
46	WBFF	BALTIMORE MD	171.1	CP	BPCDDT -19980803KR
46	WKBS-TV	ALTOONA PA	253.3	CP	BDTV -00000285
46	WHTJ	CHARLOTTESVILLE VA	388.4	CP	BPEDT -20000501AHA
46	WPXV	NORFOLK VA	427.5	LIC	BLCDDT -20020510AAI
47	WPMT	YORK PA	115.0	LIC	BLCDDT -20040305ABF
47	WLNY	RIVERHEAD NY	215.8	APP	USERRECORD-01

Proposed station is beyond the site to  
 nearest cell evaluation distance

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## Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	WYDN	WORCESTER MA	BPEDT	-20000501AHM

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WUVN	HARTFORD CT	143.0	CP MOD	BMPCDT	-20011011AAU
47	WTVH	SYRACUSE NY	405.9	LIC	BLCDT	-20060809ACB
47	WLNY	RIVERHEAD NY	210.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2  
 Scenario 1 Affected station 3  
 Before Analysis

Results for: 47A MA WORCESTER BPEDT 20000501AHM CP  
 HAAT 217.0 m, ATV ERP 365.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6022201	15646.6
not affected by terrain losses	5985575	15291.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

## After Analysis

Results for: 47A MA WORCESTER BPEDT 20000501AHM CP  
 HAAT 217.0 m, ATV ERP 365.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6022201	15646.6
not affected by terrain losses	5985575	15291.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1264	8.1
lost to ATV IX only	1264	8.1
lost to all IX	1264	8.1

Potential Interfering Stations Included in above Scenario 1

47A NY RIVERHEAD	USERRECORD01	APP	
*Percent Service lost without proposal:	0.0	to BPEDT	20000501AHM
*Percent Service lost with proposal:	0.0	to BPEDT	20000501AHM

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## Analysis of Interference to Affected Station 4

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	WMDT	SALISBURY MD	BMPCDT	-20000501ABT

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WBFF	BALTIMORE MD	122.0	CP	BPCDT	-19980803KR
46	WPXV	NORFOLK VA	200.0	LIC	BLCDT	-20020510AAI
47	WPMT	YORK PA	185.3	LIC	BLCDT	-20040305ABF
47	WUPV	ASHLAND VA	157.5	CP	BPCDT	-19990928AAL
48	WRC-TV	WASHINGTON DC	126.7	CP	BDTV	-00000294
47	WLNY	RIVERHEAD NY	359.1	APP	USERRECORD-01	

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.
47	WTVH	SYRACUSE NY	BLCDT	-20060809ACB

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WYDN	WORCESTER MA	405.9	CP	BPEDT	-20000501AHM
47	WPMT	YORK PA	327.9	LIC	BLCDT	-20040305ABF
48	WYDC	CORNING NY	116.4	CP	BDTV	-00000297
47	WLNY	RIVERHEAD NY	349.4	APP	USERRECORD-01	

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.
47	WPMT	YORK PA	BLCDT	-20040305ABF

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WBFF	BALTIMORE MD	77.0	CP	BPCDT	-19980803KR
46	WFMZ-TV	ALLENTOWN PA	115.0	CP MOD	BMPCDT	-20030415ABQ
46	WKBS-TV	ALTOONA PA	167.2	CP	BDTV	-00000285
47	WMDT	SALISBURY MD	185.3	CP MOD	BMPCDT	-20000501ABT
47	WTVH	SYRACUSE NY	327.9	LIC	BLCDT	-20060809ACB
47	WOAC	CANTON OH	417.5	CP	BPCDT	-19991101AEX
47	WUPV	ASHLAND VA	260.3	CP	BPCDT	-19990928AAL
48	WRC-TV	WASHINGTON DC	127.8	CP	BDTV	-00000294
47	WLNY	RIVERHEAD NY	326.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3  
 Scenario 1 Affected station 6  
 Before Analysis

Results for: 47A PA YORK BLCDT 20040305ABF LIC  
 HAAT 385.0 m, ATV ERP 933.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5025819	28283.9
not affected by terrain losses	4416002	25256.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1160749	2414.8
lost to ATV IX only	1160749	2414.8
lost to all IX	1160749	2414.8

Potential Interfering Stations Included in above Scenario 1

46A MD BALTIMORE	BPCDT	19980803KR	CP
46A PA ALLENTOWN	BMPCDT	20030415ABQ	CP
47A MD SALISBURY	BMPCDT	20000501ABT	CP
47A NY SYRACUSE	BLCDT	20060809ACB	LIC
47A VA ASHLAND	BPCDT	19990928AAL	CP
48A DC WASHINGTON	BDTV	00000294	CP

After Analysis

Results for: 47A PA YORK                      BLCDT              20040305ABF    LIC  
             HAAT 385.0 m, ATV ERP 933.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5025819	28283.9
not affected by terrain losses	4416002	25256.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1165687	2439.0
lost to ATV IX only	1165687	2439.0
lost to all IX	1165687	2439.0

Potential Interfering Stations Included in above Scenario              1

46A MD BALTIMORE	BPCDT	19980803KR	CP
46A PA ALLENTOWN	BMPCDT	20030415ABQ	CP
47A MD SALISBURY	BMPCDT	20000501ABT	CP
47A NY SYRACUSE	BLCDT	20060809ACB	LIC
47A VA ASHLAND	BPCDT	19990928AAL	CP
48A DC WASHINGTON	BDTV	00000294	CP
47A NY RIVERHEAD	USERRECORD01		APP
*Percent Service lost without proposal:		0.0	to BLCDT              20040305ABF
*Percent Service lost with proposal:		0.2	to BLCDT              20040305ABF
Note: Interference below allowable baseline for WLNY			
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## Analysis of Interference to Affected Station 7

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WRNN-TV	KINGSTON NY	BMPCDT	-20040203AAJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WRC-TV	WASHINGTON DC	388.4	CP	BDTV	-00000294
48	WLED-TV	LITTLETON NH	365.7	CP	BDTV	-00000296
48	WYDC	CORNING NY	266.5	CP	BDTV	-00000297
49	WEDW	BRIDGEPORT CT	67.8	CP	BDTV	-00000304
49	WLNE-TV	NEW BEDFORD MA	224.9	CP MOD	BMPCDT	-20040414AAA
49	WEKW-TV	KEENE NH	215.4	CP	BDTV	-00000301
49	WWSI	ATLANTIC CITY NJ	209.2	LIC	BLCDT	-20020812ABS
49	WNEP-TV	SCRANTON PA	163.8	LIC	BLCDT	-20020807AAF
47	WLNY	RIVERHEAD NY	108.6	APP	USERRECORD-01	

Total scenarios = 1

Result key: 4  
 Scenario 1 Affected station 7  
 Before Analysis

Results for: 48A NY KINGSTON BMPCDT 20040203AAJ CP  
 HAAT 378.0 m, ATV ERP 950.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11112106	27258.3
not affected by terrain losses	10825691	24157.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	165156	415.1
lost to ATV IX only	165156	415.1
lost to all IX	165156	415.1

Potential Interfering Stations Included in above Scenario 1

48A DC WASHINGTON	BDTV	00000294	CP
48A NY CORNING	BDTV	00000297	CP
49A CT BRIDGEPORT	BDTV	00000304	CP

## After Analysis

Results for: 48A NY KINGSTON BMPCDT 20040203AAJ CP  
 HAAT 378.0 m, ATV ERP 950.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11112106	27258.3
not affected by terrain losses	10825691	24157.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	234787	486.9
lost to ATV IX only	234787	486.9
lost to all IX	234787	486.9

Potential Interfering Stations Included in above Scenario 1

48A DC WASHINGTON	BDTV	00000294	CP	
48A NY CORNING	BDTV	00000297	CP	
49A CT BRIDGEPORT	BDTV	00000304	CP	
47A NY RIVERHEAD	USERRECORD01		APP	
*Percent Service lost without proposal:		0.0	to BMPCDT	20040203AAJ
*Percent Service lost with proposal:		0.7	to BMPCDT	20040203AAJ
Note: Interference below allowable baseline for WLNY				

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## Analysis of Interference to Affected Station 8

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	WLNY	RIVERHEAD NY	USERRECORD-01

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	WUVN	HARTFORD CT	98.0	CP MOD	BMPCDT -20011011AAU
46	WFMZ-TV	ALLENTOWN PA	215.8	CP MOD	BMPCDT -20030415ABQ
47	WYDN	WORCESTER MA	210.5	CP	BPEDT -20000501AHM
47	WMDT	SALISBURY MD	359.1	CP MOD	BMPCDT -20000501ABT
47	WTVH	SYRACUSE NY	349.4	LIC	BLCDT -20060809ACB
47	WPMT	YORK PA	326.2	LIC	BLCDT -20040305ABF
48	WRNN-TV	KINGSTON NY	108.6	CP MOD	BMPCDT -20040203AAJ

Total scenarios = 1

Result key: 5  
 Scenario 1 Affected station 8  
 Before Analysis

Results for: 47A NY RIVERHEAD USERRECORD01 APP  
 HAAT 193.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5804729	14239.3
not affected by terrain losses	5787116	14199.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	34651	24.2
lost to ATV IX only	34651	24.2
lost to all IX	34651	24.2

Potential Interfering Stations Included in above Scenario 1

46A CT HARTFORD	BMPCDT	20011011AAU	CP
47A MA WORCESTER	BPEDT	20000501AHM	CP
48A NY KINGSTON	BMPCDT	20040203AAJ	CP

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