

OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(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/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

WPSJ-CD USERRECORD-01 HAMMONTON NJ US
Channel 38 ERP 6. kW HAAT 272. m RCAMSL 00301 m FULL SERVICE MASK
Latitude 039-43-41 Longitude 0074-50-39
Status APP Zone 1 Border Site number: 01
Dir Antenna Make usr Model LP-1900-7095-4 Beam tilt N Ref Azimuth 305.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 0.5 km/side

Distance Increments for Longley-Rice Analysis 0.50 km

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

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.038	275.1	22.4
45.0	0.018	275.5	18.7
90.0	0.184	286.7	31.0
135.0	3.650	281.3	46.9
180.0	0.046	273.0	23.3
225.0	0.015	268.0	17.4
270.0	0.184	259.4	29.9
315.0	3.650	257.1	45.6

Contour Overlap to Proposed Station

Station			
WMAR-TV 38 BALTIMORE	MD BLCDT20090619ACA		causes

Contour overlap to Digital LPTV station

WPSJ-CD 38 HAMMONTON	NJ USERRECORD01
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Station		
WWOR-TV 38 SECAUCUS	NJ BPCDT20121210ABN	causes

Contour overlap to Digital LPTV station

WPSJ-CD 38 HAMMONTON	NJ USERRECORD01
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Station		
WPHA-CD 38 PHILADELPHIA	PA BLDTA20120329AKJ	causes

Contour overlap to Digital LPTV station

WPSJ-CD 38 HAMMONTON	NJ USERRECORD01
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Contour Overlap Evaluation to Proposed Station 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

OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(Summary Results)

Proposed facility is beyond the Canadian coordination distance

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	ARN
38	WPSJ-CD	HAMMONTON NJ	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	W23AZ	HACKETTSTOWN NJ	124.5	LIC	BLTTL -20021007AAH
24	WEWE-LP	SUSSEX COUNTY DE	134.7	LIC	BLTTL -19980408JC
24	W24CS	READING PA	113.5	LIC	BLTT -20030321AAO
34	WQAV-LP	ATLANTIC CITY NJ	53.5	LIC	BLTTL -19970924JG
38	WHCT-LP	HARTFORD CT	287.3	LIC	BLTTL -20050822AAP
38	WHCT-LD	HARTFORD, NEW HAVEN CT	287.3	CP MOD	BMPDTL -20110826ABW
38	W38DL-D	ADAMS MA	352.4	LIC	BLDTT -20091021AAO
38	WMAR-TV	BALTIMORE MD	160.9	LIC	BLCDT -20090619ACA
38	W38BN	SALISBURY MD	160.8	LIC	BLTTL -19990812JA
38	WPSJ-CD	HAMMONTON NJ	0.0	CP	BDISDTL -20120123AAB
38	WWOR-TV	SECAUCUS NJ	134.8	CP	BPCDT -20121210ABN
38	W59DG	ELMIRA NY	280.3	CP	BDISDTL -20120309AAW
38	W59DG	ELMIRA NY	307.3	APP	BSTA -20121029AAC
38	W38FM-D	LINDLEY NY	319.0	CP	BNPDTL -20100609AGK
38	WDSS-LD	SYRACUSE NY	372.8	APP	BMPDTL -20120223AEE
38	WDSS-LD	SYRACUSE NY	372.8	LIC	BLDTL -20120809ABZ
38	WDSS-LD	SYRACUSE NY	372.8	APP	BSTA -20110826AAE
38	WNGN-LP	TROY NY	354.7	LIC	BLTTL -20070904ABG
38	WPHA-CD	PHILADELPHIA PA	48.3	LIC	BLDTA -20120329AKJ
38	WJGN-CA	CHESAPEAKE VA	344.8	APP	BDISDTA -20100726AMF
38	NEW	CROZET VA	383.4	APP	BNPDTL -20090825ASK
38	DK02CG	RICHMOND VA	326.0	STA	BDSTA -20120815ABS
39	DK02CG	DOVER DE	84.1	STA	BDSTA -20120815ABP
39	WDVB-CA	EDISON NJ	97.0	LIC	BLTTL -20041221ABN
39	WDVB-CA	EDISON NJ	102.8	CP	BPTTA -20090309AAZ
39	WDVB-CA	EDISON NJ	102.8	APP	BSTA -20111018ASY
39	WNYN-LD	NEW YORK NY	136.6	LIC	BLDTL -20090619AAO
39	WNYN-LD	NEW YORK NY	136.6	CP	BPDTL -20091030ACJ
39	WLVT-TV	ALLEN TOWN PA	105.9	LIC	BLEDT -20090605ABD
40	WWDD-LP	WILMINGTON DE	57.2	LIC	BLTT -19931117JC
41	WNAI-LP	SPRINGVILLE NJ	48.3	LIC	BLTTL -20041117ACS

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	W23AZ	HACKETTSTOWN NJ	BLTTL -20021007AAH

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 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
24	WEWE-LP	SUSSEX COUNTY DE	BLTTL -19980408JC

Stations Potentially Affecting This Station

OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(Summary Results)

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.
24	W24CS	READING PA	BLTT	-20030321AAO

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 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	WQAV-LP	ATLANTIC CITY NJ	BLTTL	-19970924JG

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.
38	WHCT-LP	HARTFORD CT	BLTTL	-20050822AAP

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.
38	WHCT-LD	HARTFORD, NEW HAVEN CT	BMPDTL	-20110826ABW

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	W38DL-D	ADAMS MA	BLDTT	-20091021AAO

Stations Potentially Affecting This Station

Proposal causes no interference

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OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(Summary Results)

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WMAR-TV	BALTIMORE MD	BLCDT -20090619ACA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WWOR-TV	SECAUCUS NJ	275.8	CP	BPCDT -20121210ABN
38	WKBW-TV	BUFFALO NY	402.5	LIC	BLCDT -20051215AAG
38	WINP-TV	PITTSBURGH PA	308.4	LIC	BLCDT -20091127ABE
39	WJAL	HAGERSTOWN MD	128.6	LIC	BLCDT -20090804ACD
39	WJAL-DR	SILVER SPRING MD	57.5	APP	BPRM -20060424AEX
39	WLVT-TV	ALLENTOWN PA	171.2	LIC	BLEDT -20090605ABD
38	WPSJ-CD	HAMMONTON NJ	160.9	APP	USERRECORD-01

Total scenarios = 3

Result key: 2

Scenario 2 Affected station 8
Before Analysis

Results for: 38A MD BALTIMORE BLCDT 20090619ACA LIC

HAAT 312.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	8279207	29850.7
not affected by terrain losses	8155916	28970.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	72828	200.8
lost to ATV IX only	72828	200.8
lost to all IX	72828	200.8

Potential Interfering Stations Included in above Scenario 2

38A NJ SECAUCUS	BPCDT	20121210ABN	CP
38A PA PITTSBURGH	BLCDT	20091127ABE	LIC
39A MD HAGERSTOWN	BLCDT	20090804ACD	LIC
39A MD SILVER SPRING	BPRM	20060424AEX	APP

After Analysis

Results for: 38A MD BALTIMORE BLCDT 20090619ACA LIC

HAAT 312.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	8279207	29850.7
not affected by terrain losses	8155916	28970.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	107081	260.7
lost to ATV IX only	107081	260.7
lost to all IX	107081	260.7

Potential Interfering Stations Included in above Scenario 2

38A NJ SECAUCUS	BPCDT	20121210ABN	CP
38A PA PITTSBURGH	BLCDT	20091127ABE	LIC
39A MD HAGERSTOWN	BLCDT	20090804ACD	LIC
39A MD SILVER SPRING	BPRM	20060424AEX	APP
38A NJ HAMMONTON	USERRECORD01		APP

Percent new IX = 0.4238%

Worst case new IX 0.4238% Scenario 2

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
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OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(Summary Results)

38 W38BN SALISBURY MD BLTTL -19990812JA

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	WPSJ-CD	HAMMONTON NJ	BDISDTL	-20120123AAB

*** WPSJ-CD authorized facility on Channel 38.***

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	WWOR-TV	SECAUCUS NJ	BPCDT	-20121210ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WMAR-TV	BALTIMORE MD	275.8	LIC	BLCDDT	-20090619ACA
39	WCTX	NEW HAVEN CT	114.6	LIC	BLCDDT	-20040507AAZ
39	WLVT-TV	ALLENTOWN PA	124.3	LIC	BLEDT	-20090605ABD
38	WPSJ-CD	HAMMONTON NJ	134.8	APP	USERRECORD-01	

Total scenarios = 1

Result key: 5

Scenario 1 Affected station 11

Before Analysis

Results for: 38A NJ SECAUCUS BPCDT 20121210ABN CP

HAAT 439.0 m, ATV ERP 355.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20154060	31082.7
not affected by terrain losses	19813811	29145.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	84576	510.3
lost to ATV IX only	84576	510.3
lost to all IX	84576	510.3

Potential Interfering Stations Included in above Scenario 1

38A MD BALTIMORE	BLCDDT	20090619ACA	LIC
39A CT NEW HAVEN	BLCDDT	20040507AAZ	LIC
39A PA ALLENTOWN	BLEDT	20090605ABD	LIC

After Analysis

Results for: 38A NJ SECAUCUS BPCDT 20121210ABN CP

HAAT 439.0 m, ATV ERP 355.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20154060	31082.7
not affected by terrain losses	19813811	29145.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	140402	769.0
lost to ATV IX only	140402	769.0
lost to all IX	140402	769.0

Potential Interfering Stations Included in above Scenario 1

OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(Summary Results)

38A MD BALTIMORE	BLCDT	20090619ACA	LIC
39A CT NEW HAVEN	BLCDT	20040507AAZ	LIC
39A PA ALLENTOWN	BLEDT	20090605ABD	LIC
38A NJ HAMMONTON	USERRECORD01		APP

Percent new IX = 0.2830%

Worst case new IX 0.2830% Scenario 1

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	W59DG	ELMIRA NY	BDISDTL -20120309AAW

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.
38	W59DG	ELMIRA NY	BSTA -20121029AAC

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	W38FM-D	LINDLEY NY	BNPDTL -20100609AGK

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WDSS-LD	SYRACUSE NY	BMPDTL -20120223AEE

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 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WDSS-LD	SYRACUSE NY	BLDTL -20120809ABZ

OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(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 17

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	WDSS-LD	SYRACUSE NY	BSTA	-20110826AAE

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 18

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	WNGN-LP	TROY NY	BLTTL	-20070904ABG

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 19

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	WPHA-CD	PHILADELPHIA PA	BLDTA	-20120329AKJ

*** Pursuant to settlement agreement with WPHA-CD, WPHA-CD
has received authorization to migrate to Channel 24 and
does not require consideration in the instant analysis.***

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	WJGN-CA	CHESAPEAKE VA	BDISDTA	-20100726AMF

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	NEW	CROZET VA	BNPDTL	-20090825ASK

Stations Potentially Affecting This Station

OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(Summary Results)

Proposal causes no interference

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	DK02CG	RICHMOND VA	BDSTA	-20120815ABS

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	DK02CG	DOVER DE	BDSTA	-20120815ABP

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WDVB-CA	EDISON NJ	BLTTL	-20041221ABN

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WDVB-CA	EDISON NJ	BPTTA	-20090309AAZ

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WDVB-CA	EDISON NJ	BSTA	-20111018ASY

Stations Potentially Affecting This Station

Proposal causes no interference

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OET-69 Interference Analysis (WPSJ-CD, Hammonton, NJ, Channel 38)(Summary Results)

Analysis of Interference to Affected Station 27

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WNYN-LD	NEW YORK NY	BLDTL	-20090619AAO

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 28

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WNYN-LD	NEW YORK NY	BPDTL	-20091030ACJ

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 29

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WLVT-TV	ALLENTOWN PA	BLEDT	-20090605ABD

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 30

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	WDDD-LP	WILMINGTON DE	BLTT	-19931117JC

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 31

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WNAI-LP	SPRINGVILLE NJ	BLTTL	-20041117ACS

Stations Potentially Affecting This Station

Proposal causes no interference

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED