

EXHIBIT 11
Interference Analysis
WKOB-LD
Facility ID No. 51441

This Technical Exhibit is attached to FCC Form 346 in support of the Applicant's request for a Minor Modification to a Construction Permit. The proposed modified operational parameters for WKOB-LD are as follows:

Channel	2
Out-of-channel Emission Mask:	STINGENT
Antenna radiation center height above ground level:	265.5 meters
Maximum effective radiated power:	.300 KW
Antenna type and model #:	MCI AT11-303-O-CP-CH2
Transmitter Site	40-45-7.7 N 73-59-3.6W
Antenna Structure Registration	1268297

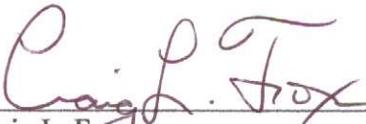
A study has been conducted using the provisions of sections 74.703 74.705, 74.706, 74.707, 74.708 and 74.709.

This study indicates that the proposal will create prohibited interference with LPTV facility WBQM channel 3. An INTERFERENCE WAIVER from the Licensee of WBQM is included with this Exhibit and included in Exhibit 1.

CONSENT

Renard Communications Corp. ("Renard"), licensee of Station WBQM-LP/LD, Brooklyn, New York, hereby provides its consent to Nave Broadcasting, LLC ("Nave"), licensee of digital Station WKOB-LP, New York, New York (Channel 2) for Nave to file a minor change application with the Federal Communications Commission ("FCC") to increase its effective radiated power to 0.3 kW at its presently authorized location in FCC construction permit BMPDVL-20090430ABQ. Renard does not object to an FCC grant of the WKOB-LP Channel 2 minor change application and agrees to accept any resulting interference.

RENARD COMMUNICATIONS CORP.



Craig L. Fox
President

Date: October 1, 2009

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-12-2009 Time: 15:55:25

Record Selected for Analysis

NEW BSFDTL -20200910ACG NEW YORK NY US
Channel 2 ERP 0.3 kW HAAT 261 m RCAMSL 275 m STRINGENT MASK
Latitude 40 -45-8 Longitude 73 -58-4
Status APP Zone 0 Border
Last update 00000000 Cutoff date 00000000 Docket
Comments
Applicant MAKO COMMUNICATIONS, LLC

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	43.0 dBu F(50,90) (km)
0.0	0.300	236.5	44.5
45.0	0.300	269.2	46.3
90.0	0.300	261.6	45.9
135.0	0.300	260.8	45.8
180.0	0.300	261.1	45.9
225.0	0.300	273.9	46.6
270.0	0.300	265.3	46.1
315.0	0.300	260.7	45.8

Contour Overlap to Proposed Station

Station
WBQM-LP 3 BROOKLYN NY BLTVL20080612AAB

Station inside contour of Digital LPTV station
NEW 2 NEW YORK NY BSFDTL 20200910ACG

Contour Overlap Evaluation to Proposed Station Complete

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 = 396.2km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

	Proposed Station				
Channel	Call	City/State	ARN		
2	NEW	NEW YORK NY	BSFDTL	20200910ACG	

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KJWY-DR	WILMINGTON DE	133.5	APP	BPRM	-20090615AGB
02	WNDC-LP	SALISBURY MD	292.3	APP	BDISDVL	-20090717AAR
02	WKOB-LP	NEW YORK NY	0.0	CP MOD	BMPDVL	-20090430ABQ
02	WZPA-LP	PHILADELPHIA PA	133.3	CP	BDISDVL	-20090427ACP
02	WVBK-CA	MANCHESTER, ETC. VT	286.5	LIC	BLTVA	-20040713ACD
03	KVNV-DR	MIDDLETOWN TOWNSHIP NJ	1.6	APP	BPRM	-20090615AGA
03	WBQM-LP	BROOKLYN NY	0.0	LIC	BLTVL	-20080612AAB
03	WBQM-LP	BROOKLYN NY	0.0	APP	BSTA	-20080102AAE
03	WFPA-CA	PHILADELPHIA PA	133.3	APP	BDISDVA	-20090630AAI

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	KJWY-DR	WILMINGTON DE	BPRM	-20090615AGB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
03	KVNV-DR	MIDDLETOWN TOWNSHIP NJ	132.5	APP	BPRM	-20090615AGA
2	NEW	NEW YORK NY	133.5	APP	BSFDTL	-20200910ACG

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 1 KJWY-DR
Before Analysis

Results for: 2A DE WILMINGTON BPRM 20090615AGB APP

HAAT 261.0 m, ATV ERP 10.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	10361951	33744.6
not affected by terrain losses	10264120	32860.6
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: 2A DE WILMINGTON	BPRM	20090615AGB	APP
HAAT 261.0 m, ATV ERP 10.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	10361951	33744.6	
not affected by terrain losses	10264120	32860.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1430079	2426.2	
lost to ATV IX only	1430079	2426.2	
lost to all IX	1430079	2426.2	

Potential Interfering Stations Included in above Scenario 1

2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
 ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
 Antenna 999999999999999

Due to interference to the following station and scenario: 1

2D DE WILMINGTON BPRM 20090615AGB
 ERP 10.00 kW HAAT 261.0 m RCAMSL 324.0 m
 Antenna 999999999999999

Percent Service lost without proposal: 0.0 to BPRM 20090615AGB
 Percent Service lost with proposal: 13.9 to BPRM 20090615AGB

Result key: 2
 Scenario 2 Affected station 1 KJWY-DR
 Before Analysis

Results for: 2A DE WILMINGTON	BPRM	20090615AGB	APP
HAAT 261.0 m, ATV ERP 10.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	10361951	33744.6	
not affected by terrain losses	10264120	32860.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	240775	220.7	
lost to ATV IX only	240775	220.7	
lost to all IX	240775	220.7	

Potential Interfering Stations Included in above Scenario 2

3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP

After Analysis

Results for: 2A DE WILMINGTON BPRM 20090615AGB APP

HAAT 261.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	10361951	33744.6
not affected by terrain losses	10264120	32860.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1431450	2432.1
lost to ATV IX only	1431450	2432.1
lost to all IX	1431450	2432.1

Potential Interfering Stations Included in above Scenario 2

3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP

2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
 ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
 Antenna 999999999999999

Due to interference to the following station and scenario: 2

2D DE WILMINGTON BPRM 20090615AGB
 ERP 10.00 kW HAAT 261.0 m RCAMSL 324.0 m
 Antenna 999999999999999

Percent Service lost without proposal: 0.0 to BPRM 20090615AGB
 Percent Service lost with proposal: 11.9 to BPRM 20090615AGB

Worst case new IX 13.9328% Scenario 1

Proposed station is MX

2A NY NEW YORK BSFDTL 20200910ACG APP

2A DE WILMINGTON BPRM 20090615AGB APP

Proposal MX with BPRM 20090615AGB scenario 1 of station 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	WNDC-LP	SALISBURY MD	BDISDVL -20090717AAR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KJWY-DR	WILMINGTON DE	176.4	APP	BPRM -20090615AGB

02	WKOB-LP	NEW YORK NY	292.3	CP MOD	BMPDVL	-20090430ABQ
02	WZPA-LP	PHILADELPHIA PA	176.5	CP	BDISDVL	-20090427ACP
03	WFPA-CA	PHILADELPHIA PA	176.5	APP	BDISDVA	-20090630AAI
2	NEW	NEW YORK NY	292.3	APP	BSFDTL	-20200910ACG

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	WKOB-LP	NEW YORK NY	BMPDVL	-20090430ABQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KJWY-DR	WILMINGTON DE	133.5	APP	BPRM	-20090615AGB
02	WNDC-LP	SALISBURY MD	292.3	APP	BDISDVL	-20090717AAR
02	WZPA-LP	PHILADELPHIA PA	133.3	CP	BDISDVL	-20090427ACP
03	KVNV-DR	MIDDLETOWN TOWNSHIP NJ	1.6	APP	BPRM	-20090615AGA
03	WBQM-LP	BROOKLYN NY	0.0	LIC	BLTVL	-20080612AAB
03	WBQM-LP	BROOKLYN NY	0.0	APP	BSTA	-20080102AAE
03	WFPA-CA	PHILADELPHIA PA	133.3	APP	BDISDVA	-20090630AAI
2	NEW	NEW YORK NY	0.0	APP	BSFDTL	-20200910ACG

Total scenarios = 4

Result key: 3
Scenario 1 Affected station 3 WKOB-LP
Before Analysis

Results for: 2A NY NEW YORK BMPDVL 20090430ABQ CP

HAAT	1.0 m, ATV ERP	0.2 kW	POPULATION	AREA (sq km)
			within Noise Limited Contour	13910606 5631.6
			not affected by terrain losses	13910606 5631.6
			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: 2A NY NEW YORK BMPDVL 20090430ABQ CP

HAAT	1.0 m, ATV ERP	0.2 kW	POPULATION	AREA (sq km)
			within Noise Limited Contour	13910606 5631.6
			not affected by terrain losses	13910606 5631.6
			lost to NTSC IX	0 0.0
			lost to additional IX by ATV	13503718 5384.1

lost to ATV IX only	13503718	5384.1
lost to all IX	13503718	5384.1

Potential Interfering Stations Included in above Scenario 1

2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
 ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
 Antenna 999999999999999

Due to interference to the following station and scenario: 1

2D NY NEW YORK BMPDVL 20090430ABQ
 ERP 0.19 kW HAAT 1.0 m RCAMSL 274.0 m
 Antenna CDB 999999999999999

Percent Service lost without proposal:	0.0	to BMPDVL	20090430ABQ
Percent Service lost with proposal:	97.1	to BMPDVL	20090430ABQ

Result key: 4
 Scenario 2 Affected station 3 WKOB-LP
 Before Analysis

Results for: 2A NY NEW YORK BMPDVL 20090430ABQ CP

HAAT 1.0 m, ATV ERP 0.2 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	13910606	5631.6
not affected by terrain losses	13910606	5631.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	196482	182.9
lost to ATV IX only	196482	182.9
lost to all IX	196482	182.9

Potential Interfering Stations Included in above Scenario 2

2A DE WILMINGTON BPRM 20090615AGB APP
 3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP

After Analysis

Results for: 2A NY NEW YORK BMPDVL 20090430ABQ CP

HAAT 1.0 m, ATV ERP 0.2 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	13910606	5631.6
not affected by terrain losses	13910606	5631.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13503718	5384.1
lost to ATV IX only	13503718	5384.1
lost to all IX	13503718	5384.1

Potential Interfering Stations Included in above Scenario 2

2A DE WILMINGTON BPRM 20090615AGB APP
 3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP
 2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
Antenna 999999999999999

Due to interference to the following station and scenario: 2

2D NY NEW YORK BMPDVL 20090430ABQ
ERP 0.19 kW HAAT 1.0 m RCAMSL 274.0 m
Antenna CDB 999999999999999

Percent Service lost without proposal: 0.0 to BMPDVL 20090430ABQ
Percent Service lost with proposal: 97.0 to BMPDVL 20090430ABQ

Result key: 5
Scenario 3 Affected station 3 WKOB-LP
Before Analysis

Results for: 2A NY NEW YORK BMPDVL 20090430ABQ CP

HAAT 1.0 m, ATV ERP 0.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13910606	5631.6
not affected by terrain losses	13910606	5631.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	164030	143.1
lost to ATV IX only	164030	143.1
lost to all IX	164030	143.1

Potential Interfering Stations Included in above Scenario 3

2A DE WILMINGTON BPRM 20090615AGB APP

After Analysis

Results for: 2A NY NEW YORK BMPDVL 20090430ABQ CP

HAAT 1.0 m, ATV ERP 0.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13910606	5631.6
not affected by terrain losses	13910606	5631.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13503718	5384.1
lost to ATV IX only	13503718	5384.1
lost to all IX	13503718	5384.1

Potential Interfering Stations Included in above Scenario 3

2A DE WILMINGTON BPRM 20090615AGB APP
2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
Antenna 999999999999999

Due to interference to the following station and scenario: 3

2D NY NEW YORK BMPDVL 20090430ABQ

ERP 0.19 kW HAAT 1.0 m RCAMSL 274.0 m
Antenna CDB 999999999999999

Percent Service lost without proposal: 0.0 to BMPDVL 20090430ABQ
Percent Service lost with proposal: 97.0 to BMPDVL 20090430ABQ

Result key: 6
Scenario 4 Affected station 3 WKOB-LP
Before Analysis

Results for: 2A NY NEW YORK BMPDVL 20090430ABQ CP
HAAT 1.0 m, ATV ERP 0.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13910606	5631.6
not affected by terrain losses	13910606	5631.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	36638	44.7
lost to ATV IX only	36638	44.7
lost to all IX	36638	44.7

Potential Interfering Stations Included in above Scenario 4

3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP

After Analysis

Results for: 2A NY NEW YORK BMPDVL 20090430ABQ CP
HAAT 1.0 m, ATV ERP 0.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	13910606	5631.6
not affected by terrain losses	13910606	5631.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13503718	5384.1
lost to ATV IX only	13503718	5384.1
lost to all IX	13503718	5384.1

Potential Interfering Stations Included in above Scenario 4

3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP
2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
Antenna 999999999999999

Due to interference to the following station and scenario: 4

2D NY NEW YORK BMPDVL 20090430ABQ
ERP 0.19 kW HAAT 1.0 m RCAMSL 274.0 m
Antenna CDB 999999999999999

Percent Service lost without proposal: 0.0 to BMPDVL 20090430ABQ
Percent Service lost with proposal: 97.1 to BMPDVL 20090430ABQ

Worst case new IX 97.0750% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	WZPA-LP	PHILADELPHIA PA	BDISDVL -20090427ACP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	KJWY-DR	WILMINGTON DE	0.3	APP	BPRM -20090615AGB
02	WNDC-LP	SALISBURY MD	176.5	APP	BDISDVL -20090717AAR
02	WKOB-LP	NEW YORK NY	133.3	CP MOD	BMPDVL -20090430ABQ
03	KVNV-DR	MIDDLETOWN TOWNSHIP NJ	132.3	APP	BPRM -20090615AGA
03	WBQM-LP	BROOKLYN NY	133.3	APP	BSTA -20080102AAE
03	WFPA-CA	PHILADELPHIA PA	0.0	APP	BDISDVA -20090630AAI
2	NEW	NEW YORK NY	133.3	APP	BSFDTL -20200910ACG

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.
02	WVBK-CA	MANCHESTER, ETC. VT	BLTVA -20040713ACD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	WLBZ	BANGOR ME	380.6	CP	BPCDT -20080616ADA
02	WLBZ	BANGOR ME	380.6	PLN	DTVPLN -DTVP0003
02	WKOB-LP	NEW YORK NY	286.5	CP MOD	BMPDVL -20090430ABQ
02	WZPA-LP	PHILADELPHIA PA	401.0	CP	BDISDVL -20090427ACP
03	WTMU-LP	BOSTON MA	172.7	CP	BDCCDVL -20061027ABN
03	W03AM	HARRISON ME	206.8	CP	BDFCDTT -20060323ABI
2	NEW	NEW YORK NY	286.5	APP	BSFDTL -20200910ACG

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.
03	KVNV-DR	MIDDLETOWN TOWNSHIP NJ	BPRM -20090615AGA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KJWY-DR	WILMINGTON DE	132.5	APP	BPRM	-20090615AGB
2	NEW	NEW YORK NY	1.6	APP	BSFDTL	-20200910ACG

Total scenarios = 2

Result key: 7
 Scenario 1 Affected station 6 KVVN-DR
 Before Analysis

Results for: 3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP
 HAAT 262.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20555856	33957.9
not affected by terrain losses	20297312	32604.4
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: 3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP
 HAAT 262.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20555856	33957.9
not affected by terrain losses	20297312	32604.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	126	6.0
lost to ATV IX only	126	6.0
lost to all IX	126	6.0

Potential Interfering Stations Included in above Scenario 1

2A NY NEW YORK BSFDTL 20200910ACG APP

Percent new IX = 0.0006%

Result key: 8
 Scenario 2 Affected station 6 KVVN-DR
 Before Analysis

Results for: 3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP
 HAAT 262.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20555856	33957.9
not affected by terrain losses	20297312	32604.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	178279	371.7
lost to ATV IX only	178279	371.7
lost to all IX	178279	371.7

Potential Interfering Stations Included in above Scenario 2

2A DE WILMINGTON BPRM 20090615AGB APP

After Analysis

Results for: 3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP
HAAT 262.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	20555856	33957.9
not affected by terrain losses	20297312	32604.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	178405	377.6
lost to ATV IX only	178405	377.6
lost to all IX	178405	377.6

Potential Interfering Stations Included in above Scenario 2

2A DE WILMINGTON BPRM 20090615AGB APP
2A NY NEW YORK BSFDTL 20200910ACG APP

Percent new IX = 0.0006%

Worst case new IX 0.0006% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	WBQM-LP	BROOKLYN NY	BLTVL	-20080612AAB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KJWY-DR	WILMINGTON DE	133.5	APP	BPRM	-20090615AGB
02	WKOB-LP	NEW YORK NY	0.0	CP MOD	BMPDVL	-20090430ABQ
02	WZPA-LP	PHILADELPHIA PA	133.3	CP	BDISDVL	-20090427ACP
03	WTMU-LP	BOSTON MA	286.4	CP	BDCCDVL	-20061027ABN
03	KVNV-DR	MIDDLETOWN TOWNSHIP NJ	1.7	APP	BPRM	-20090615AGA
03	WFPA-CA	PHILADELPHIA PA	133.3	APP	BDISDVA	-20090630AAI
04	WPXO-LD	EAST ORANGE NJ	1.6	APP	BDISDVL	-20090630ACB
2	NEW	NEW YORK NY	0.0	APP	BSFDTL	-20200910ACG

Total scenarios = 5

Result key: 9
Scenario 1 Affected station 7 WBQM-LP
Before Analysis

Results for: 3N NY BROOKLYN BLTVL 20080612AAB LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	5250632	582.8
not affected by terrain losses	5250632	582.8

lost to NTSC IX	0	0.0
lost to additional IX by ATV	2136466	190.9
lost to all IX	2136466	190.9

Potential Interfering Stations Included in above Scenario 1

2A NY NEW YORK BMPDVL 20090430ABQ CP

After Analysis

Results for:	3N NY BROOKLYN	BLTVL	20080612AAB	LIC
		POPULATION	AREA (sq km)	
	within Noise Limited Contour	5250632	582.8	
	not affected by terrain losses	5250632	582.8	
	lost to NTSC IX	0	0.0	
	lost to additional IX by ATV	2666142	224.7	
	lost to all IX	2666142	224.7	

Potential Interfering Stations Included in above Scenario 1

2A NY NEW YORK BMPDVL 20090430ABQ CP
 2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
 ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
 Antenna 999999999999999

Due to interference to the following station and scenario: 1

3N NY BROOKLYN BLTVL 20080612AAB
 ERP 0.75 kW HAAT 274.0 m RCAMSL 274.0 m
 Antenna CDB 00000000020833

Percent new DTV interference without proposal:	40.7	BLTVL	20080612AAB
Percent new DTV interference with proposal:	50.8	BLTVL	20080612AAB

Result key: 10
 Scenario 2 Affected station 7 WBQM-LP
 Before Analysis

Results for:	3N NY BROOKLYN	BLTVL	20080612AAB	LIC
		POPULATION	AREA (sq km)	
	within Noise Limited Contour	5250632	582.8	
	not affected by terrain losses	5250632	582.8	
	lost to NTSC IX	0	0.0	
	lost to additional IX by ATV	5098218	569.8	
	lost to all IX	5098218	569.8	

Potential Interfering Stations Included in above Scenario 2

2A NY NEW YORK BMPDVL 20090430ABQ CP
 3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP
 4A NJ EAST ORANGE BDISDVL 20090630ACB APP

After Analysis

Results for: 3N NY BROOKLYN BLTVL 20080612AAB LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	5250632	582.8
not affected by terrain losses	5250632	582.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5098218	569.8
lost to all IX	5098218	569.8

Potential Interfering Stations Included in above Scenario 2

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
3A NJ MIDDLETOWN TOWNSHIP	BPRM	20090615AGA	APP
4A NJ EAST ORANGE	BDISDVL	20090630ACB	APP
2A NY NEW YORK	BSFDTL	20200910ACG	APP

Percent new IX = 0.0000%

Result key: 11
 Scenario 3 Affected station 7 WBQM-LP
 Before Analysis

Results for: 3N NY BROOKLYN BLTVL 20080612AAB LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	5250632	582.8
not affected by terrain losses	5250632	582.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5098218	569.8
lost to all IX	5098218	569.8

Potential Interfering Stations Included in above Scenario 3

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
3A NJ MIDDLETOWN TOWNSHIP	BPRM	20090615AGA	APP

After Analysis

Results for: 3N NY BROOKLYN BLTVL 20080612AAB LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	5250632	582.8
not affected by terrain losses	5250632	582.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5098218	569.8
lost to all IX	5098218	569.8

Potential Interfering Stations Included in above Scenario 3

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
3A NJ MIDDLETOWN TOWNSHIP	BPRM	20090615AGA	APP
2A NY NEW YORK	BSFDTL	20200910ACG	APP

Percent new IX = 0.0000%

Result key: 12
 Scenario 4 Affected station 7 WBQM-LP
 Before Analysis

Results for: 3N NY BROOKLYN BLTVL 20080612AAB LIC

	POPULATION	AREA (sq km)
within Noise Limited Contour	5250632	582.8
not affected by terrain losses	5250632	582.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2136466	190.9
lost to all IX	2136466	190.9

Potential Interfering Stations Included in above Scenario 4

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
4A NJ EAST ORANGE	BDISDVL	20090630ACB	APP

After Analysis

Results for: 3N NY BROOKLYN	BLTVL	20080612AAB	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5250632	582.8	
not affected by terrain losses	5250632	582.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2666142	224.7	
lost to all IX	2666142	224.7	

Potential Interfering Stations Included in above Scenario 4

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
4A NJ EAST ORANGE	BDISDVL	20090630ACB	APP
2A NY NEW YORK	BSFDTL	20200910ACG	APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK	BSFDTL	20200910ACG
ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m		
Antenna 9999999999999999		

Due to interference to the following station and scenario: 4

3N NY BROOKLYN	BLTVL	20080612AAB
ERP 0.75 kW HAAT 274.0 m RCAMSL 274.0 m		
Antenna CDB 00000000020833		

Percent new DTV interference without proposal:	40.7	BLTVL	20080612AAB
Percent new DTV interference with proposal:	50.8	BLTVL	20080612AAB

Result key: 13
 Scenario 5 Affected station 7 WBQM-LP
 Before Analysis

Results for: 3N NY BROOKLYN	BLTVL	20080612AAB	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5250632	582.8	
not affected by terrain losses	5250632	582.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2136466	190.9	
lost to all IX	2136466	190.9	

Potential Interfering Stations Included in above Scenario 5

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
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Result key: 14
 Scenario 1 Affected station 8 WBQM-LP
 Before Analysis

Results for: 3A NY BROOKLYN BSTA 20080102AAE APP
 HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9843574	2422.9
not affected by terrain losses	9843574	2422.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4376305	718.4
lost to ATV IX only	4376305	718.4
lost to all IX	4376305	718.4

Potential Interfering Stations Included in above Scenario 1

2A NY NEW YORK BMPDVL 20090430ABQ CP

After Analysis

Results for: 3A NY BROOKLYN BSTA 20080102AAE APP
 HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9843574	2422.9
not affected by terrain losses	9843574	2422.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4680167	772.1
lost to ATV IX only	4680167	772.1
lost to all IX	4680167	772.1

Potential Interfering Stations Included in above Scenario 1

2A NY NEW YORK BMPDVL 20090430ABQ CP
 2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
 ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
 Antenna 9999999999999999

Due to interference to the following station and scenario: 1

3D NY BROOKLYN BSTA 20080102AAE
 ERP 0.30 kW HAAT 1.0 m RCAMSL 274.0 m
 Antenna CDB 00000000020833

Percent Service lost without proposal: 0.0 to BSTA 20080102AAE
 Percent Service lost with proposal: 5.6 to BSTA 20080102AAE

Result key: 15
 Scenario 2 Affected station 8 WBQM-LP
 Before Analysis

Results for: 3A NY BROOKLYN BSTA 20080102AAE APP
 HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9843574	2422.9

within Noise Limited Contour	9843574	2422.9
not affected by terrain losses	9843574	2422.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9642615	2390.1
lost to ATV IX only	9642615	2390.1
lost to all IX	9642615	2390.1

Potential Interfering Stations Included in above Scenario 3

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
3A NJ MIDDLETOWN TOWNSHIP	BPRM	20090615AGA	APP
2A NY NEW YORK	BSFDTL	20200910ACG	APP

Percent new IX = 0.1520%

Result key: 17
Scenario 4 Affected station 8 WBQM-LP
Before Analysis

Results for: 3A NY BROOKLYN BSTA 20080102AAE APP
HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9843574	2422.9
not affected by terrain losses	9843574	2422.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4376305	718.4
lost to ATV IX only	4376305	718.4
lost to all IX	4376305	718.4

Potential Interfering Stations Included in above Scenario 4

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
4A NJ EAST ORANGE	BDISDVL	20090630ACB	APP

After Analysis

Results for: 3A NY BROOKLYN BSTA 20080102AAE APP
HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	9843574	2422.9
not affected by terrain losses	9843574	2422.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4680167	772.1
lost to ATV IX only	4680167	772.1
lost to all IX	4680167	772.1

Potential Interfering Stations Included in above Scenario 4

2A NY NEW YORK	BMPDVL	20090430ABQ	CP
4A NJ EAST ORANGE	BDISDVL	20090630ACB	APP
2A NY NEW YORK	BSFDTL	20200910ACG	APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK	BSFDTL	20200910ACG
ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m		
Antenna 9999999999999999		

Due to interference to the following station and scenario: 4
3D NY BROOKLYN BSTA 20080102AAE
ERP 0.30 kW HAAT 1.0 m RCAMSL 274.0 m
Antenna CDB 00000000020833

Percent Service lost without proposal: 0.0 to BSTA 20080102AAE
Percent Service lost with proposal: 5.6 to BSTA 20080102AAE

Result key: 18
Scenario 5 Affected station 8 WBQM-LP
Before Analysis

Results for: 3A NY BROOKLYN BSTA 20080102AAE APP
HAAT 1.0 m, ATV ERP 0.3 kW
POPULATION AREA (sq km)
within Noise Limited Contour 9843574 2422.9
not affected by terrain losses 9843574 2422.9
lost to NTSC IX 0 0.0
lost to additional IX by ATV 4376305 718.4
lost to ATV IX only 4376305 718.4
lost to all IX 4376305 718.4

Potential Interfering Stations Included in above Scenario 5

2A NY NEW YORK BMPDVL 20090430ABQ CP

After Analysis

Results for: 3A NY BROOKLYN BSTA 20080102AAE APP
HAAT 1.0 m, ATV ERP 0.3 kW
POPULATION AREA (sq km)
within Noise Limited Contour 9843574 2422.9
not affected by terrain losses 9843574 2422.9
lost to NTSC IX 0 0.0
lost to additional IX by ATV 4680167 772.1
lost to ATV IX only 4680167 772.1
lost to all IX 4680167 772.1

Potential Interfering Stations Included in above Scenario 5

2A NY NEW YORK BMPDVL 20090430ABQ CP
2A NY NEW YORK BSFDTL 20200910ACG APP

The following station failed the de minimis interference criteria.

2D NY NEW YORK BSFDTL 20200910ACG
ERP 0.30 kW HAAT 261.0 m RCAMSL 275.0 m
Antenna 99999999999999

Due to interference to the following station and scenario: 5
3D NY BROOKLYN BSTA 20080102AAE
ERP 0.30 kW HAAT 1.0 m RCAMSL 274.0 m
Antenna CDB 00000000020833

Percent Service lost without proposal: 0.0 to BSTA 20080102AAE
Percent Service lost with proposal: 5.6 to BSTA 20080102AAE

Worst case new IX 5.5578% Scenario 1

Proposed station is MX

2A NY NEW YORK BSFDTL 20200910ACG APP
3A NY BROOKLYN BSTA 20080102AAE APP

Proposal MX with BSTA 20080102AAE scenario 1 of station 8

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel Call City/State Application Ref. No.
03 WFPA-CA PHILADELPHIA PA BDISDVA -20090630AAI

Stations Potentially Affecting This Station

Chan Call City/State Dist(km) Status Application Ref. No.
02 KJWY-DR WILMINGTON DE 0.3 APP BPRM -20090615AGB
02 WNDC-LP SALISBURY MD 176.5 APP BDISDVL -20090717AAR
02 WKOB-LP NEW YORK NY 133.3 CP MOD BMPDVL -20090430ABQ
02 WZPA-LP PHILADELPHIA PA 0.0 CP BDISDVL -20090427ACP
03 WTMU-LP BOSTON MA 419.6 CP BDCCDVL -20061027ABN
03 KVVN-DR MIDDLETOWN TOWNSHIP NJ 132.3 APP BPRM -20090615AGA
03 WBQM-LP BROOKLYN NY 133.3 APP BSTA -20080102AAE
04 WPXO-LD EAST ORANGE NJ 131.8 APP BDISDVL -20090630ACB
2 NEW NEW YORK NY 133.3 APP BSFDTL -20200910ACG

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.
2 NEW NEW YORK NY BSFDTL -20200910ACG

Stations Potentially Affecting This Station

Chan Call City/State Dist(km) Status Application Ref. No.
02 KJWY-DR WILMINGTON DE 133.5 APP BPRM -20090615AGB
02 WNDC-LP SALISBURY MD 292.3 APP BDISDVL -20090717AAR
02 WKOB-LP NEW YORK NY 0.0 CP MOD BMPDVL -20090430ABQ
02 WZPA-LP PHILADELPHIA PA 133.3 CP BDISDVL -20090427ACP
03 KVVN-DR MIDDLETOWN TOWNSHIP NJ 1.6 APP BPRM -20090615AGA
03 WBQM-LP BROOKLYN NY 0.0 LIC BLTVL -20080612AAB
03 WBQM-LP BROOKLYN NY 0.0 APP BSTA -20080102AAE
03 WFPA-CA PHILADELPHIA PA 133.3 APP BDISDVA -20090630AAI

Total scenarios = 5

Result key: 19
Scenario 1 Affected station 10 NEW
Before Analysis

Results for: 2A NY NEW YORK BSFDTL 20200910ACG APP
HAAT 261.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	14424864	6624.3
not affected by terrain losses	14424864	6624.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13983777	6287.5
lost to ATV IX only	13983777	6287.5
lost to all IX	13983777	6287.5

Potential Interfering Stations Included in above Scenario 1

2A NY NEW YORK BMPDVL 20090430ABQ CP

Result key: 20
Scenario 2 Affected station 10 NEW
Before Analysis

Results for: 2A NY NEW YORK BSFDTL 20200910ACG APP
HAAT 261.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	14424864	6624.3
not affected by terrain losses	14424864	6624.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13983777	6288.5
lost to ATV IX only	13983777	6288.5
lost to all IX	13983777	6288.5

Potential Interfering Stations Included in above Scenario 2

2A DE WILMINGTON BPRM 20090615AGB APP
2A NY NEW YORK BMPDVL 20090430ABQ CP
3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP

Result key: 21
Scenario 3 Affected station 10 NEW
Before Analysis

Results for: 2A NY NEW YORK BSFDTL 20200910ACG APP
HAAT 261.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	14424864	6624.3
not affected by terrain losses	14424864	6624.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13983777	6288.5
lost to ATV IX only	13983777	6288.5
lost to all IX	13983777	6288.5

Potential Interfering Stations Included in above Scenario 3

2A DE WILMINGTON BPRM 20090615AGB APP

2A NY NEW YORK BMPDVL 20090430ABQ CP

Result key: 22
Scenario 4 Affected station 10 NEW
Before Analysis

Results for: 2A NY NEW YORK BSFDTL 20200910ACG APP

	POPULATION	AREA (sq km)
HAAT 261.0 m, ATV ERP 0.3 kW		
within Noise Limited Contour	14424864	6624.3
not affected by terrain losses	14424864	6624.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13983777	6288.5
lost to ATV IX only	13983777	6288.5
lost to all IX	13983777	6288.5

Potential Interfering Stations Included in above Scenario 4

2A NY NEW YORK BMPDVL 20090430ABQ CP
3A NJ MIDDLETOWN TOWNSHIP BPRM 20090615AGA APP

Result key: 23
Scenario 5 Affected station 10 NEW
Before Analysis

Results for: 2A NY NEW YORK BSFDTL 20200910ACG APP

	POPULATION	AREA (sq km)
HAAT 261.0 m, ATV ERP 0.3 kW		
within Noise Limited Contour	14424864	6624.3
not affected by terrain losses	14424864	6624.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13983777	6287.5
lost to ATV IX only	13983777	6287.5
lost to all IX	13983777	6287.5

Potential Interfering Stations Included in above Scenario 5

2A NY NEW YORK BMPDVL 20090430ABQ CP

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