

**Special Displacement Window Application**

LPTV or Translator Facility: WASA-LD Facility ID 167320 Port Jervis, NY  
Licensed Ch. 25 File# BLDTL-20091222AQB

Nature of Displacement: Interference caused to WWOR-TV Repack Ch. 25 Secaucus, NJ  
Interference received from WWOR-TV Repack Ch. 25 Secaucus, NJ  
TVStudy Displacement summary in Table 1

Proposed Facility: Ch. 13 3 kW ERP directional (azimuth pattern in Figure 1)

Modification Compliance: 0.0 km from licensed site  
Contour comparison in Figure 2  
TVStudy Analysis report in Table 2  
(Study cell size: 1.00 km Profile point spacing: 0.10 km)

Contingent Application Rule: Waiver of §73.3700(g)(2)(i) requested  
Operation on proposed channel will not commence until the  
following station discontinues operation on its current channel:  
WNET Ch. 13 Newark, NJ (repacked to Ch. 12, phase 9)  
The applicant will accept a corresponding special operating  
condition on the CP authorization.

RF Exposure: The transmitting antenna is atop the Four Times Square office  
building in New York City. The calculated signal density near the  
building at two meters above ground level attributable to the  
proposed facility is 0.7 percent of the general  
population/uncontrolled maximum permitted exposure limit.  
Calculations conducted pursuant to FCC OET Bulletin  
Number 65 and incorporate 100 percent relative field at  
downward angles (from antenna elevation pattern data).

Following construction of the proposed facility, the applicant will  
conduct RF exposure measurements at rooftop and upper level  
indoor locations to evaluate the level of RF exposure resulting  
from the proposed facility. As necessary, based on these results  
and considering all emitters, appropriate exposure abatement  
procedures will be established and followed, in order to comply  
with the FCC's exposure limits. Such abatement procedures may  
involve the restriction of access to certain areas and/or facility  
modifications to reduce RF levels.

**Chesapeake RF Consultants, LLC**

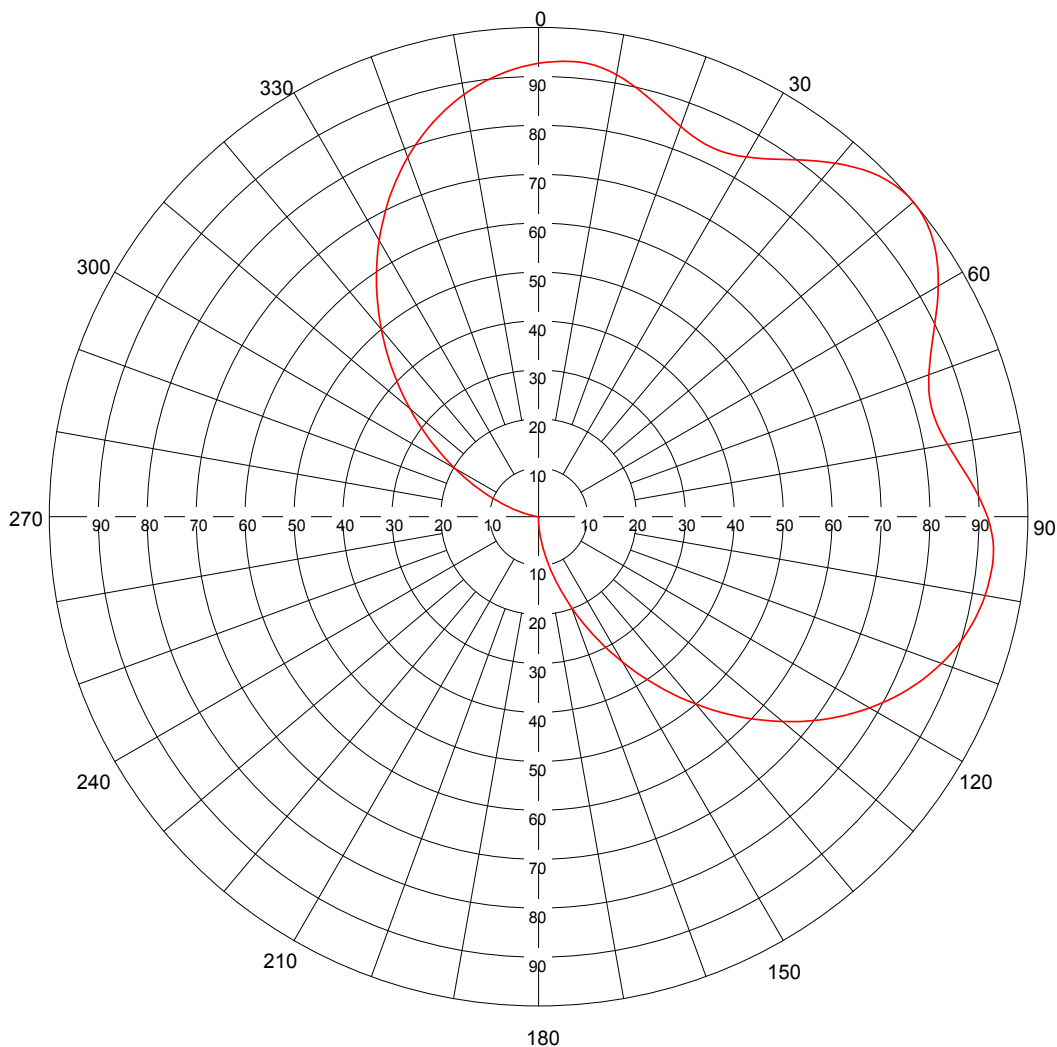
Joseph M. Davis, P.E. May 6, 2018  
207 Old Dominion Road Yorktown, VA 23692 703-650-9600

## AZIMUTH PATTERN

Gain  
 Calculated / Measured

**2.70 (4.31 dB)**  
**Calculated**

Frequency **213 MHz**  
 Drawing # **THA-C2**



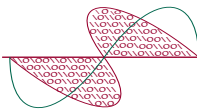
Remarks:



**Figure 1**  
**Antenna Azimuthal Pattern**  
**WASA-LD Port Jervis, NY**  
**Facility ID 167320**  
**Ch. 13 (digital) 3 kW**

prepared for  
**KRCA License LLC**

May, 2018

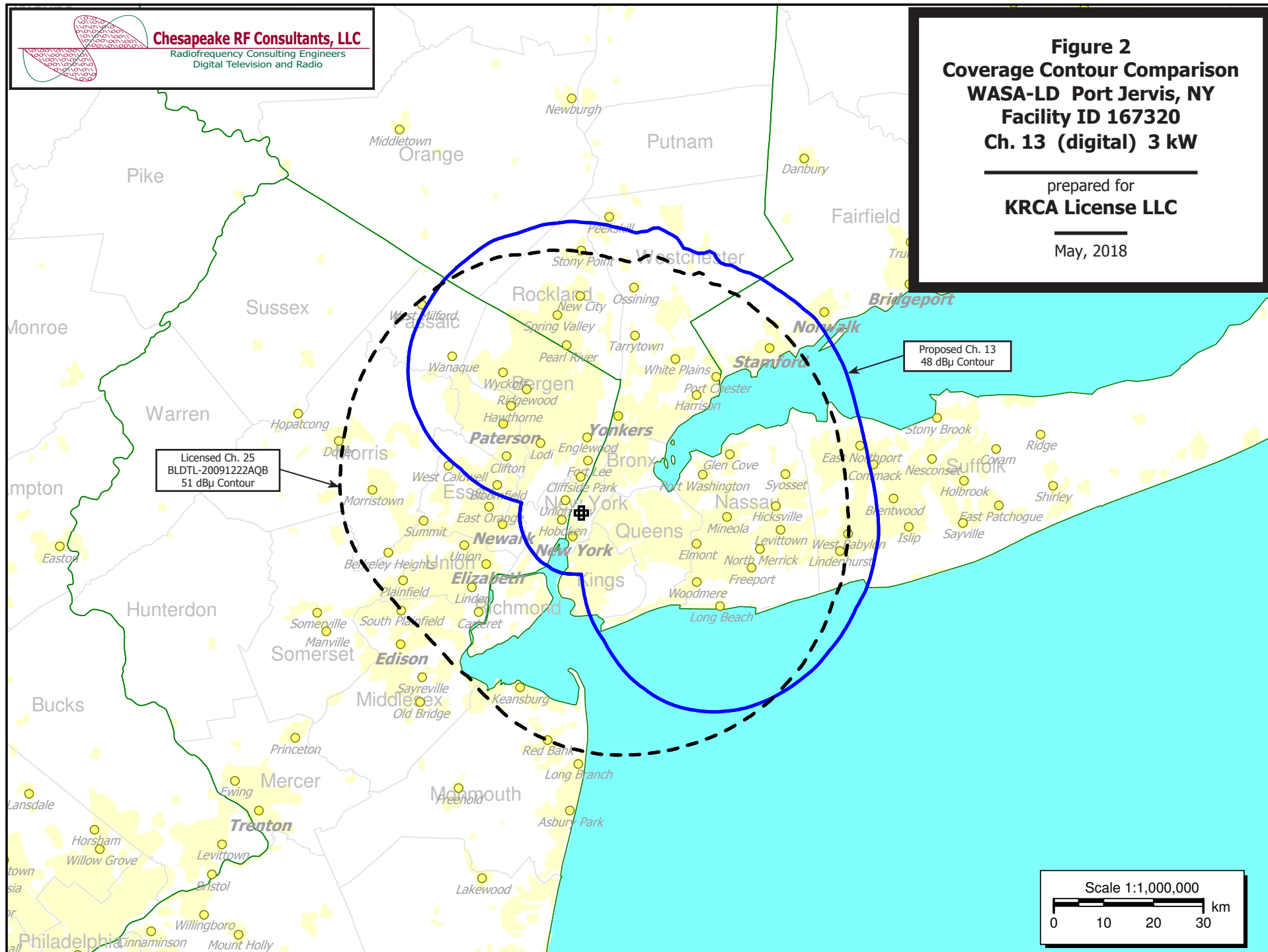


**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

**Figure 2**  
**Coverage Contour Comparison**  
**WASA-LD Port Jervis, NY**  
**Facility ID 167320**  
**Ch. 13 (digital) 3 kW**

prepared for  
**KRCA License LLC**

May, 2018



**Table 1 WASA-LD Ch. 25 TVStudy Displacement Summary**  
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### Interference caused to WWOR-TV Repack Ch. 25 Secaucus, NJ

Interference to BLANK0000048531 LIC scenario 1  
\*\*IX: 70.59% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000048531	
Undesireds:	WASA-LD	D25	LD	LIC	PORT JERVIS, NY	BLDTL20091222AQB	5.3 km
	WNYE-TV	D24	DT	APP	NEW YORK, NY	BLANK0000035705	5.3
	DW24BB-D	D24	DC	BL	EAST STROUDSBURG, PA	DTVBL68137	130.1
	WPHA-CD	D24	DC	LIC	PHILADELPHIA, PA	BLDTA20130920ADK	127.6
	WNUV	D25	DT	CP	BALTIMORE, MD	BLANK0000027773	271.6
	WSKA	D25	DT	CP	CORNING, NY	BLANK0000034484	300.7
	WMHT	D25	DT	CP	SCHENECTADY, NY	BLANK0000028390	212.6
	WJAR	D25	DT	CP	PROVIDENCE, RI	BLANK0000034380	261.2
	WFUT-DT	D26	DT	CP	NEWARK, NJ	BLANK0000034667	4.6
<hr/>							
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	25370.1 19,846,258	23835.1	19,614,558	23171.9	19,417,769	10674.6 5,711,226	53.93 <b>70.59</b>
<hr/>							
Undesired	Total IX		Unique IX, before		Unique IX, after		
WASA-LD D25 LD LIC	13065.1	13,883,061			12497.3	13,706,543	
WNYE-TV D24 DT APP	80.5	19,888	37.1	10,434	1.0	147	
DW24BB-D D24 DC BL	9.9	599	6.9	554	2.0	57	
WNUV D25 DT CP	52.9	3,708	45.9	3,498	9.0	457	
WSKA D25 DT CP	1.0	0	1.0	0	0.0	0	
WMHT D25 DT CP	226.5	34,673	145.1	19,704	32.2	5,944	
WJAR D25 DT CP	200.3	83,892	125.8	67,278	11.1	5,168	
WFUT-DT D26 DT CP	233.9	83,185	173.4	68,139	28.1	6,411	

### Interference received from WWOR-TV Repack Ch. 25 Secaucus, NJ

Interference to proposal scenario 1  
\*\*MX: 89.86% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WASA-LD	D25	LD	LIC	PORT JERVIS, NY	BLDTL20091222AQB	
Undesireds:	WNYE-TV	D24	DT	APP	NEW YORK, NY	BLANK0000035705	0.0 km
	WPHA-CD	D24	DC	LIC	PHILADELPHIA, PA	BLDTA20130920ADK	132.3
	WNUV	D25	DT	CP	BALTIMORE, MD	BLANK0000027773	276.1
	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000048531	5.3
	W25DY-D	D25	LD	LIC	MONTICELLO, NY	BLDTT20100506AEI	116.3
	W25FA-D	D25	LD	CP	PORT JERVIS, NY	BLANK0000030451	22.9
	WMHT	D25	DT	CP	SCHENECTADY, NY	BLANK0000028390	207.8
	WJAR	D25	DT	CP	PROVIDENCE, RI	BLANK0000034380	256.9
	WFUT-DT	D26	DT	CP	NEWARK, NJ	BLANK0000034667	0.9
	WYXN-LD	D26	LD	LIC	NEW YORK, NY	BLDTL20091123AAX	3.7
	W26CE	N26-	TX	LIC	NEW YORK, NY	BLTTL20080306ABU	103.0
	W26DB-D	D26-	LD	LIC	PORT JERVIS, NY	BLANK0000049187	22.9
	W26DC-D	D26	LD	CP	ROSLYN, NY	BLANK000003358	30.5
<hr/>							
	Service area	Terrain-limited		IX-free		Percent IX	
	8348.6 15,296,812	8094.0	15,219,804	1031.3	1,543,239	87.26 89.86	
<hr/>							
Undesired	Total IX		Unique IX		Prcnt Unique IX		
WNYE-TV D24 DT APP	125.8	130,014	2.0	673	0.02	0.00	
WWOR-TV D25 DT LIC	7007.7	13,641,274	6135.0	13,007,379	75.80	<b>85.46</b>	
W25DY-D D25 LD LIC	3.0	0	0.0	0	0.00	0.00	
W25FA-D D25 LD CP	490.7	285,891	23.9	15,187	0.30	0.10	
WMHT D25 DT CP	22.2	5,198	2.0	944	0.02	0.01	
WJAR D25 DT CP	15.0	6,185	1.0	899	0.01	0.01	
WFUT-DT D26 DT CP	616.6	504,831	11.0	4,431	0.14	0.03	
WYXN-LD D26 LD LIC	12.1	2,986	2.0	510	0.02	0.00	

## Table 2 WASA-LD TVStudy Analysis of Proposal

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tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: WASA-LD Ch-13 prop repack 1.0-0.1, Model: Longley-Rice  
 Start: 2018.05.06 15:22:59

Study created: 2018.05.06 15:22:58

Study build station data: LMS TV 2018-05-06

Proposal: WASA-LD D13 LD APP PORT JERVIS, NY  
 File number: WASA-LD Ch-13 prop  
 Facility ID: 167320  
 Station data: User record  
 Record ID: 2041  
 Country: U.S.

Search options:  
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WBAL-TV	D12	DT	CP	BALTIMORE, MD	BLANK0000024625	276.3 km
No	WBAL-TV	D12	DT	APP	BALTIMORE, MD	BLANK0000034523	276.3
No	WNET	D12	DT	CP	NEWARK, NJ	BLANK0000034256	5.3
No	WNYT	D12	DT	LIC	ALBANY, NY	BLANK0000004731	207.8
No	WPXU-LD	D12	LD	LIC	AMITYVILLE, NY	BLDVL20110505ABI	1.6
No	WYOU	D12	DT	CP	SCRANTON, PA	BLANK0000028347	165.3
No	WNAC-TV	D12	DT	LIC	PROVIDENCE, RI	BLCDT20090612AFT	257.8
Yes	WHYY-TV	D13	DT	CP	WILMINGTON, DE	BLANK0000034583	132.5
Yes	WGBY-TV	D13	DT	CP	SPRINGFIELD, MA	BLANK0000025429	199.1
No	WNYI	D13	DT	APP	ITHACA, NY	BLANK0000029367	280.6
No	WNYI	D13	DT	CP	ITHACA, NY	BLANK0000025008	280.6
No	WNNY-LP	N13z	TX	LIC	SYRACUSE, NY	BLTVA20050314AAH	313.0
No	WWPX-TV	D13	DT	CP	MARTINSBURG, WV	BLANK0000034933	375.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D13  
 Mask: Full Service  
 Latitude: 40 45 22.40 N (NAD83)  
 Longitude: 73 59 10.50 W  
 Height AMSL: 285.5 m  
 HAAT: 0.0 m  
 Peak ERP: 3.00 kW  
 Antenna: DIE THA-C2 50.0 deg  
 Elev Pattn: Generic  
 Elec Tilt: 2.00

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.58 kW	251.0 m	58.1 km
45.0	2.83	272.6	60.0
90.0	2.52	272.1	59.2
135.0	0.995	274.1	52.7
180.0	0.000	269.2	9.5
225.0	0.000	284.0	8.7
270.0	0.000	274.4	8.5
315.0	0.533	273.6	48.3

Database HAAT does not agree with computed HAAT  
 Database HAAT: 0 m Computed HAAT: 271 m

Distance to Canadian border: 394.5 km

Distance to Mexican border: 2675.2 km

Conditions at FCC monitoring station: Laurel MD  
 Bearing: 234.7 degrees Distance: 299.3 km

**Table 2 WASA-LD TVStudy Analysis of Proposal**  
(page 2 of 4)



Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 278.9 degrees Distance: 2628.9 km

Study cell size: 1.00 km  
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000034583 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHYY-TV	D13	DT	CP	WILMINGTON, DE	BLANK0000034583	
Undesireds:	WASA-LD	D13	LD	APP	PORT JERVIS, NY	WASA-LD Ch-13 prop	132.5 km
	WBAL-TV	D12	DT	CP	BALTIMORE, MD	BLANK0000024625	144.0
	WNET	D12	DT	CP	NEWARK, NJ	BLANK0000034256	127.8
	WGBY-TV	D13	DT	CP	SPRINGFIELD, MA	BLANK0000025429	326.8
	WNYI	D13	DT	APP	ITHACA, NY	BLANK0000029367	309.4
	WWPX-TV	D13	DT	CP	MARTINSBURG, WV	BLANK0000034933	250.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
30862.0 10,593,375		29031.8 10,198,307		28518.1 9,957,412		28517.1 9,957,359	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WASA-LD D13 LD APP		43.9	56,978			1.0 53	
WBAL-TV D12 DT CP		24.8	1,341	1.0	33	1.0 33	
WNET D12 DT CP		172.6	168,943	137.7	139,089	122.7 110,752	
WGBY-TV D13 DT CP		49.9	33,232	12.0	2,439	12.0 2,439	
WNYI D13 DT APP		4.0	2,430	2.0	1,561	2.0 1,561	
WWPX-TV D13 DT CP		324.1	67,050	299.3	65,672	299.3 65,672	

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Interference to BLANK0000034583 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHYY-TV	D13	DT	CP	WILMINGTON, DE	BLANK0000034583	
Undesireds:	WASA-LD	D13	LD	APP	PORT JERVIS, NY	WASA-LD Ch-13 prop	132.5 km
	WBAL-TV	D12	DT	CP	BALTIMORE, MD	BLANK0000024625	144.0
	WNET	D12	DT	CP	NEWARK, NJ	BLANK0000034256	127.8
	WGBY-TV	D13	DT	CP	SPRINGFIELD, MA	BLANK0000025429	326.8
	WWPX-TV	D13	DT	CP	MARTINSBURG, WV	BLANK0000034933	250.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
30862.0 10,593,375		29031.8 10,198,307		28520.1 9,958,973		28519.1 9,958,920	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WASA-LD D13 LD APP		43.9	56,978			1.0 53	
WBAL-TV D12 DT CP		24.8	1,341	1.0	33	1.0 33	
WNET D12 DT CP		172.6	168,943	137.7	139,089	122.7 110,752	
WGBY-TV D13 DT CP		49.9	33,232	13.9	3,308	13.9 3,308	
WWPX-TV D13 DT CP		324.1	67,050	299.3	65,672	299.3 65,672	

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Interference to BLANK0000034583 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHYY-TV	D13	DT	CP	WILMINGTON, DE	BLANK0000034583	
Undesireds:	WASA-LD	D13	LD	APP	PORT JERVIS, NY	WASA-LD Ch-13 prop	132.5 km
	WBAL-TV	D12	DT	APP	BALTIMORE, MD	BLANK0000034523	144.0
	WNET	D12	DT	CP	NEWARK, NJ	BLANK0000034256	127.8
	WGBY-TV	D13	DT	CP	SPRINGFIELD, MA	BLANK0000025429	326.8
	WNYI	D13	DT	APP	ITHACA, NY	BLANK0000029367	309.4
	WWPX-TV	D13	DT	CP	MARTINSBURG, WV	BLANK0000034933	250.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX

**Table 2 WASA-LD TVStudy Analysis of Proposal**  
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30862.0 10,593,375 29031.8 10,198,307 28515.1 9,957,334 28514.1 9,957,281 0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WASA-LD D13 LD APP	43.9	56,978		1.0 53
WBAL-TV D12 DT APP	32.8	1,928	4.0 111	4.0 111
WNET D12 DT CP	172.6	168,943	137.7 139,089	122.7 110,752
WGBY-TV D13 DT CP	49.9	33,232	12.0 2,439	12.0 2,439
WNYI D13 DT APP	4.0	2,430	2.0 1,561	2.0 1,561
WWPX-TV D13 DT CP	324.1	67,050	294.3 65,163	294.3 65,163

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Interference to BLANK0000034583 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHYY-TV	D13	DT	CP	WILMINGTON, DE	BLANK0000034583	
Undesireds:	WASA-LD	D13	LD	APP	PORT JERVIS, NY	WASA-LD Ch-13 prop	132.5 km
	WBAL-TV	D12	DT	APP	BALTIMORE, MD	BLANK0000034523	144.0
	WNET	D12	DT	CP	NEWARK, NJ	BLANK0000034256	127.8
	WGBY-TV	D13	DT	CP	SPRINGFIELD, MA	BLANK0000025429	326.8
	WWPX-TV	D13	DT	CP	MARTINSBURG, WV	BLANK0000034933	250.0
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	30862.0 10,593,375	29031.8 10,198,307	28517.1 9,958,895	28516.1 9,958,842	0.00 0.00		

Undesired		Total IX	Unique IX, before	Unique IX, after
WASA-LD D13 LD APP	43.9	56,978		1.0 53
WBAL-TV D12 DT APP	32.8	1,928	4.0 111	4.0 111
WNET D12 DT CP	172.6	168,943	137.7 139,089	122.7 110,752
WGBY-TV D13 DT CP	49.9	33,232	13.9 3,308	13.9 3,308
WWPX-TV D13 DT CP	324.1	67,050	294.3 65,163	294.3 65,163

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Interference to BLANK0000025429 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGBY-TV	D13	DT	CP	SPRINGFIELD, MA	BLANK0000025429	
Undesireds:	WASA-LD	D13	LD	APP	PORT JERVIS, NY	WASA-LD Ch-13 prop	199.1 km
	WNYT	D12	DT	LIC	ALBANY, NY	BLANK0000004731	119.6
	WNAC-TV	D12	DT	LIC	PROVIDENCE, RI	BLCDT20090612AFT	119.8
	WHYY-TV	D13	DT	CP	WILMINGTON, DE	BLANK0000034583	326.8
	WNYI	D13	DT	APP	ITHACA, NY	BLANK0000029367	284.3
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	32415.4 4,469,401	28125.6 3,886,165	27773.2 3,829,309	27677.7 3,813,590	0.34 0.41		

Undesired		Total IX	Unique IX, before	Unique IX, after
WASA-LD D13 LD APP	142.8	23,470		95.6 15,719
WNYT D12 DT LIC	59.4	1,550	28.1 808	25.1 781
WNAC-TV D12 DT LIC	234.6	44,560	234.6 44,560	234.6 44,560
WHYY-TV D13 DT CP	51.3	10,814	44.3 10,724	7.0 3,094
WNYI D13 DT APP	45.3	764	11.1 22	10.1 22

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Interference to BLANK0000025429 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGBY-TV	D13	DT	CP	SPRINGFIELD, MA	BLANK0000025429	
Undesireds:	WASA-LD	D13	LD	APP	PORT JERVIS, NY	WASA-LD Ch-13 prop	199.1 km
	WNYT	D12	DT	LIC	ALBANY, NY	BLANK0000004731	119.6
	WNAC-TV	D12	DT	LIC	PROVIDENCE, RI	BLCDT20090612AFT	119.8
	WHYY-TV	D13	DT	CP	WILMINGTON, DE	BLANK0000034583	326.8
	WNYI	D13	DT	CP	ITHACA, NY	BLANK0000025008	284.3
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	32415.4 4,469,401	28125.6 3,886,165	27784.3 3,829,331	27687.7 3,813,612	0.35 0.41		

Undesired		Total IX	Unique IX, before	Unique IX, after
WASA-LD D13 LD APP	142.8	23,470		96.6 15,719
WNYT D12 DT LIC	59.4	1,550	54.3 1,449	50.3 1,418
WNAC-TV D12 DT LIC	234.6	44,560	234.6 44,560	234.6 44,560

**Table 2 WASA-LD TVStudy Analysis of Proposal**  
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WHYY-TV D13 DT CP	51.3	10,814	47.3	10,724	8.0	3,094
WNYI D13 DT CP	1.0	11	0.0	0	0.0	0

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Interference to proposal scenario 1  
5.59% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WASA-LD	D13	LD	APP	PORT JERVIS, NY	WASA-LD Ch-13 prop	
Undesireds:	WNET	D12	DT	CP	NEWARK, NJ	BLANK0000034256	5.3 km
	WPXU-LD	D12	LD	LIC	AMITYVILLE, NY	BLDVL20110505ABI	1.6
	WHYY-TV	D13	DT	CP	WILMINGTON, DE	BLANK0000034583	132.5
	WGBY-TV	D13	DT	CP	SPRINGFIELD, MA	BLANK0000025429	199.1
	WNYI	D13	DT	APP	ITHACA, NY	BLANK0000029367	280.6

	Service area		Terrain-limited		IX-free		Percent IX
	6235.9	12,307,400	6030.8	12,239,371	5869.5	11,555,093	2.67 5.59
Undesired				Total IX		Unique IX	Prcnt Unique IX
WNET D12 DT CP			93.5	643,461	88.5	622,277	1.47 5.08
WPXU-LD D12 LD LIC			4.0	709	3.0	0	0.05 0.00
WHYY-TV D13 DT CP			62.7	55,641	40.9	28,931	0.68 0.24
WGBY-TV D13 DT CP			23.8	11,886	6.0	5,651	0.10 0.05