

**Special Displacement Window Application**  
**New Digital to Digital Replacement Translator**

Full Power Television Station:      WHSV-TV Facility ID 4688    Harrisonburg, VA  
Pre-Auction Ch. 49    Reassignment Ch. 20

DTDRT Eligibility:                      An “unable to construct” waiver was granted regarding implementation of WHSV-TV’s Channel 20 reassignment at the licensed WHSV-TV transmitter site at Big Mountain (see file# 0000024849). A Construction Permit (file# 0000029912) authorizes the WHSV-TV Channel 20 post-auction facility to be sited at Elliott Knob, located 76.6 km from the licensed site at Big Mountain. Figure 1 demonstrates that there will be substantial loss of interference-free service within the WHSV-TV pre-auction digital service area (Ch. 49, BLCDT-20060413ACO). The loss results from the incentive auction’s reassignment and the inability to construct the reassignment facility at the Big Mountain site.

Proposed Facility:                      Ch. 34    Massanutten, VA  
15 kW ERP    directional (azimuth pattern in Figure 2)

DTDRT Compliance:                      The proposed DTDRT contour encompasses some of the loss area and does not extend beyond the pre-auction digital service area (Figure 1).

TVStudy Analysis report in Table 1  
(Study cell size: 1.00 km    Profile point spacing: 0.20 km)

Contingent Application Rule:              No waiver required, not dependent on spectrum to be vacated

Quiet Zone:                                  The site is located within the quiet zone area specified in §73.1030(a) requiring coordination with the National Radio Astronomy Observatory (“NRAO”) at Green Bank, WV. Preliminary coordination with NRAO has been obtained. A detailed description of the technical details of this proposal will be supplied to NRAO for final review. Upon receipt of NRAO’s concurrence, an amendment to this application will be submitted to include the letter of concurrence.

**RF Exposure:**

The calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 18.7 percent of the general population/uncontrolled maximum permitted exposure limit. Calculations conducted pursuant to FCC OET Bulletin Number 65 and incorporate 25 percent relative field at downward angles (from antenna elevation pattern data).

Considering all post-auction authorized broadcast emitters, total exposure level is 45.2 percent of general population/uncontrolled maximum permitted exposure limit. Nearby emitters are:

WSVF-CD Ch. 36 at 4.2 percent (from on-file data)

W30CT-D Ch. 30 at 12.7 percent (from on-file data)

WACL(FM) Ch. 253B1 at 8.4 percent (worst-case 100% field)

W300CN Ch. 300 at 1.2 percent (worst-case 100% field)

**Chesapeake RF Consultants, LLC**

Joseph M. Davis, P.E.  
207 Old Dominion Road

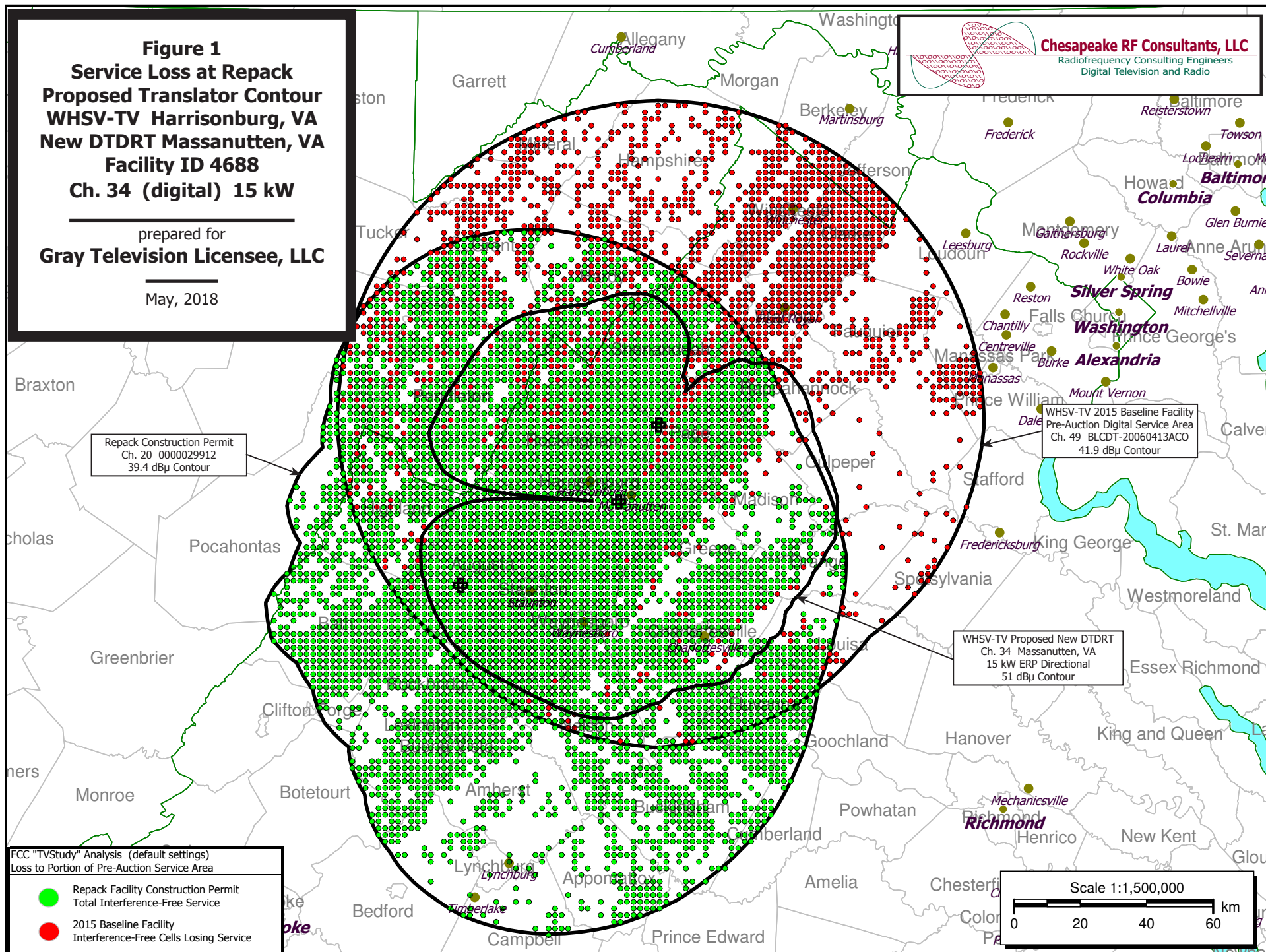
May 16, 2018  
Yorktown, VA 23692

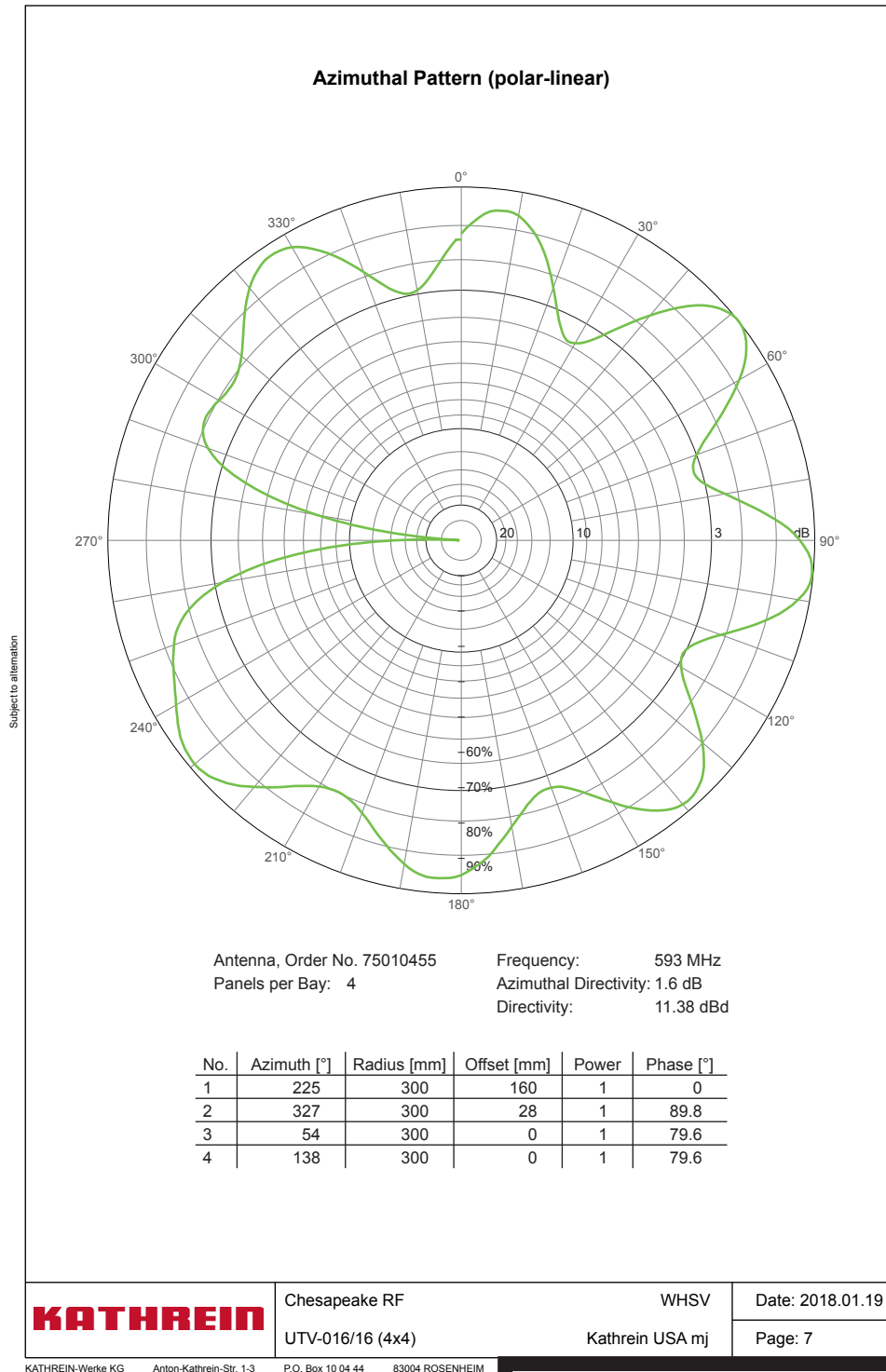
703-650-9600

**Figure 1**  
**Service Loss at Repack**  
**Proposed Translator Contour**  
**WHSV-TV Harrisonburg, VA**  
**New DTDRT Massanutten, VA**  
**Facility ID 4688**  
**Ch. 34 (digital) 15 kW**

prepared for  
**Gray Television Licensee, LLC**

May, 2018





**Figure 2**  
**Antenna Azimuthal Pattern**  
**WHSV-TV Harrisonburg, VA**  
**New DTDRT Massanutten, VA**  
**Facility ID 4688**  
**Ch. 34 (digital) 15 kW**

prepared for  
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May, 2018

# **Table 1 WHSV-TV DTDRT TVStudy Analysis of Proposal** (page 1 of 6)



tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: WHSV-TV DRT-34 Massn\_KAT 1.0-0.2, Model: Longley-Rice  
Start: 2018.05.16 10:50:37

Study created: 2018.05.16 10:50:37

Study build station data: LMS TV 2018-05-15

Proposal: WHSV-TV D34 LD APP Massanutten, VA  
File number: WHSV-TV DRT-34 Massn\_KAT  
Facility ID: 4688  
Station data: User record  
Record ID: 2097  
Country: U.S.  
Zone: I

Build options:  
Protect pre-transition records not on baseline channel

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	W31CQ	N31+	TX	LIC	ELKINS, WV	BLTTL20070711ACO	113.6 km
No	WHUT-TV	D33	DT	APP	WASHINGTON, DC	BLANK0000035679	159.2
No	WHUT-TV	D33	DT	LIC	WASHINGTON, DC	BLEDT20071018AIJ	159.2
No	WHUT-TV	D33	DT	CP	WASHINGTON, DC	BPEDT20120627AAD	159.2
No	WUNL-TV	D33	DT	CP	WINSTON-SALEM, NC	BLANK0000034443	265.1
No	W33AD	N33	TX	LIC	CONCORD, VA	BLTTL19821108IO	118.4
No	WTVZ-TV	D33	DT	LIC	NORFOLK, VA	BLCDT20090602ABA	266.2
No	WNPB-TV	D33	DT	LIC	MORGANTOWN, WV	BLEDT20121205ACJ	168.2
Yes	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	158.7
No	WPPX-TV	D34	DT	CP	WILMINGTON, DE	BLANK0000034931	355.0
No	WSOC-TV	D34	DT	LIC	CHARLOTTE, NC	BLCDT20040526ANW	389.1
No	W34EL-D	D34	LD	CP	GREENVILLE, NC	BNPDTL20100809CHS	313.9
No	WPXU-TV	D34	DT	LIC	JACKSONVILLE, NC	BLCDT20021029AAD	446.4
No	WPEM-LD	D34	LD	APP	LUMBERTON, NC	BLANK0000030452	414.0
No	WYBE-CD	D34	DC	CP	PINEHURST, NC	BLANK0000027048	363.3
No	WACN-LP	D34z	LD	CP	RALEIGH, NC	BLANK0000050869	268.5
No	WACN-LP	N34z	TX	LIC	RALEIGH, NC	BLTTL20060609AAA	302.9
No	WACN-LP	N34z	TX	APP	RALEIGH, NC	BPTTL20070529AAP	300.6
No	WARZ-CD	D34	DC	LIC	SMITHFIELD-SELMA, NC	BLANK0000001105	302.7
No	WITN-TV	D34	DT	CP	WASHINGTON, NC	BLANK0000034101	358.1
No	WSJZ-LD	D34	LD	APP	Ocean View, NJ	BLANK0000053138	310.3
No	WIVT	D34	DT	LIC	BINGHAMTON, NY	BLCDT20090819AGR	473.0
No	WKBW-TV	D34	DT	CP	BUFFALO, NY	BLANK0000034829	471.9
No	WQHS-DT	D34	DT	LIC	CLEVELAND, OH	BLCDT20031030AGJ	415.8
Yes	WJAC-TV	D34	DT	LIC	JOHNSTOWN, PA	BLCDT20051123AKN	220.7
No	WCAU	D34	DT	LIC	PHILADELPHIA, PA	BLANK0000053192	355.2
No	WSWB	D34	DT	CP	SCRANTON, PA	BLANK0000034421	426.1
No	WNSC-TV	D34	DT	CP	ROCK HILL, SC	BLANK0000034493	442.9
Yes	W34EV-D	D34	LD	CP	Charlottesville, VA	BLANK0000008300	34.9
No	WUDW-LD	D34	LD	APP	CROZET, VA	BLANK0000053751	141.6
Yes	WPXW-TV	D34	DT	LIC	MANASSAS, VA	BLCDT20090612AIZ	159.2
No	WZTD-LD	D34	LD	APP	RICHMOND, VA	BLANK0000053792	141.6
Yes	WSLS-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	179.5
No	WVPB-TV	D34	DT	LIC	HUNTINGTON, WV	BLEDT20120214AAS	298.9
Yes	WNPB-TV	D34	DT	CP	MORGANTOWN, WV	BLANK0000034624	168.2
No	WDCA	D35	DT	LIC	WASHINGTON, DC	BLCDT20070411AAH	159.2
No	WJAC-TV	D35	DT	CP	JOHNSTOWN, PA	BLANK0000027312	220.7
Yes	WAHU-CD	D35	DC	CP	CHARLOTTESVILLE, VA	BLANK0000034100	52.0
No	WUDJ-LD	D35	LD	LIC	CROZET, VA	BLANK0000014021	111.2
No	WUDJ-LD	D35	LD	APP	CROZET, VA	BLANK0000036595	34.9
No	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000034923	159.2
No	WTAP-TV	D35	DT	CP	PARKERSBURG, WV	BLANK0000025208	264.2
No	W35DI-D	D35	LD	CP	ROANOKE, WV	BNPDTL20100514AAS	165.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

**Table 1 WHSV-TV DTDRT TVStudy Analysis of Proposal**  
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Record parameters as studied:

Channel: D34  
Mask: Full Service  
Latitude: 38 23 34.80 N (NAD83)  
Longitude: 78 46 11.90 W  
Height AMSL: 913.2 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: UTV-016-16(4x4) 20180119 Ch-34 0.0 deg  
Elev Pattn: Generic  
Elec Tilt: 1.60

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	11.3 kW	495.9 m	63.0 km
45.0	12.5	392.3	59.4
90.0	13.8	565.2	66.2
135.0	13.0	457.7	62.6
180.0	13.5	543.5	65.4
225.0	13.5	553.4	65.7
270.0	0.542	509.7	45.0
315.0	11.4	484.1	62.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 500 m

Distance to Canadian border: 458.3 km

Distance to Mexican border: 2188.5 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 62.5 degrees Distance: 189.4 km

\*\*Proposal is within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 283.3 degrees Distance: 2276.3 km

Study cell size: 1.00 km  
Profile point spacing: 0.20 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 BLANK0000034340 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	158.7 km
	WHUT-TV	D33	DT	APP	WASHINGTON, DC	BLANK0000035679	1.2
	WPPX-TV	D34	DT	CP	WILMINGTON, DE	BLANK0000034931	200.0
	WPXN-TV	D34	DT	CP	NEW YORK, NY	BLANK0000034356	327.7
	WSWB	D34	DT	CP	SCRANTON, PA	BLANK0000034421	300.3
	WSLS-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	330.7
	WNPB-TV	D34	DT	CP	MORGANTOWN, WV	BLANK0000034624	245.3
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000034923	1.2
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	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	25115.9	8,189,633	24166.0	8,133,743	23975.0	8,120,249	0.09 0.08
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Undesired				Total IX	Unique IX, before	Unique IX, after	
WHSV-TV D34 LD APP		66.5		12,971		21.8	6,676
WHUT-TV D33 DT APP		4.0		157	0.0	0.0	0
WPPX-TV D34 DT CP		56.6		2,190	25.9	25.9	948
WPXN-TV D34 DT CP		1.0		20	0.0	0.0	0
WSWB D34 DT CP		7.9		236	1.0	1.0	2
WSLS-TV D34 DT CP		32.0		1,082	16.0	16.0	498
WNPB-TV D34 DT CP		76.4		7,938	58.5	27.7	1,559

**Table 1 WHSV-TV DTDRT TVStudy Analysis of Proposal**  
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WPXW-TV D35 DT CP 63.8 3,909 41.9 2,913 41.9 2,913

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Interference to BLANK0000034340 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	158.7 km
	WHUT-TV	D33	DT	LIC	WASHINGTON, DC	BLEDT20071018AIJ	1.2
	WPPX-TV	D34	DT	CP	WILMINGTON, DE	BLANK0000034931	200.0
	WPXN-TV	D34	DT	CP	NEW YORK, NY	BLANK0000034356	327.7
	WSWB	D34	DT	CP	SCRANTON, PA	BLANK0000034421	300.3
	WLSL-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	330.7
	WNPB-TV	D34	DT	CP	MORGANTOWN, WV	BLANK0000034624	245.3
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000034923	1.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25115.9 8,189,633		24166.0 8,133,743		23975.0 8,120,249		23953.2 8,113,573	0.09 0.08
Undesired		Total IX		Unique IX, before		Unique IX, after	
WHSV-TV D34 LD APP		66.5 12,971				21.8 6,676	
WPPX-TV D34 DT CP		56.6 2,190		25.9 948		25.9 948	
WPXN-TV D34 DT CP		1.0 20		0.0 0		0.0 0	
WSWB D34 DT CP		7.9 236		1.0 2		1.0 2	
WLSL-TV D34 DT CP		32.0 1,082		16.0 498		16.0 498	
WNPB-TV D34 DT CP		76.4 7,938		58.5 7,268		27.7 1,559	
WPXW-TV D35 DT CP		63.8 3,909		43.9 2,913		43.9 2,913	

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Interference to BLANK0000034340 CP scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	158.7 km
	WHUT-TV	D33	DT	CP	WASHINGTON, DC	BPEDT20120627AAD	1.2
	WPPX-TV	D34	DT	CP	WILMINGTON, DE	BLANK0000034931	200.0
	WPXN-TV	D34	DT	CP	NEW YORK, NY	BLANK0000034356	327.7
	WSWB	D34	DT	CP	SCRANTON, PA	BLANK0000034421	300.3
	WLSL-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	330.7
	WNPB-TV	D34	DT	CP	MORGANTOWN, WV	BLANK0000034624	245.3
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000034923	1.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25115.9 8,189,633		24166.0 8,133,743		23975.0 8,120,249		23953.2 8,113,573	0.09 0.08
Undesired		Total IX		Unique IX, before		Unique IX, after	
WHSV-TV D34 LD APP		66.5 12,971				21.8 6,676	
WHUT-TV D33 DT CP		25.9 628		0.0 0		0.0 0	
WPPX-TV D34 DT CP		56.6 2,190		25.9 948		25.9 948	
WPXN-TV D34 DT CP		1.0 20		0.0 0		0.0 0	
WSWB D34 DT CP		7.9 236		1.0 2		1.0 2	
WLSL-TV D34 DT CP		32.0 1,082		16.0 498		16.0 498	
WNPB-TV D34 DT CP		76.4 7,938		58.5 7,268		27.7 1,559	
WPXW-TV D35 DT CP		63.8 3,909		30.0 2,499		30.0 2,499	

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Interference to BLCDT20051123AKN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJAC-TV	D34	DT	LIC	JOHNSTOWN, PA	BLCDT20051123AKN	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	220.7 km
	WNPB-TV	D33	DT	LIC	MORGANTOWN, WV	BLEDT20121205ACJ	100.2
	WIVT	D34	DT	LIC	BINGHAMTON, NY	BLCDT20090819AGR	315.9
	WVTT-CD	D34	DC	LIC	OLEAN, NY	BLDTA20141217ABD	233.1
	WQHS-DT	D34	DT	LIC	CLEVELAND, OH	BLCDT20031030AGJ	254.7
	WCAU	D34	DT	LIC	PHILADELPHIA, PA	BLANK0000053192	320.1
	WPXW-TV	D34	DT	LIC	MANASSAS, VA	BLCDT20090612AIZ	226.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
29260.5 2,227,663		25844.0 1,958,334		25631.6 1,923,159		25620.5 1,923,085	0.04 0.00

**Table 1 WHSV-TV DTDRT TVStudy Analysis of Proposal**  
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Undesired		Total IX	Unique IX, before	Unique IX, after
WHSV-TV D34 LD APP	15.1	74		11.0 74
WNPB-TV D33 DT LIC	15.0	999	10.0 110	10.0 110
WIVT D34 DT LIC	10.0	389	10.0 389	10.0 389
WVTT-CD D34 DC LIC	2.0	134	0.0 0	0.0 0
WQHS-DT D34 DT LIC	108.3	32,543	98.3 25,278	98.3 25,278
WCAU D34 DT LIC	12.1	67	2.0 16	2.0 16
WPXW-TV D34 DT LIC	85.1	8,359	72.0 2,066	70.0 2,066

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Interference to BLANK000008300 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W34EV-D	D34	LD	CP	Charlottesville, VA	BLANK000008300	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	34.9 km
	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	173.0
	WACN-LP	D34z	LD	CP	RALEIGH, NC	BLANK0000050869	233.7
	WUDW-LD	D34	LD	APP	CROZET, VA	BLANK0000053751	118.2
	WZTD-LD	D34	LD	APP	RICHMOND, VA	BLANK0000053792	118.2
	WSLS-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	157.8
	WAHU-CD	D35	DC	CP	CHARLOTTESVILLE, VA	BLANK0000034100	25.0
	WUDJ-LD	D35	LD	LIC	CROZET, VA	BLANK0000014021	87.4
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1424.0	134,753	1110.5	128,934	1073.1	128,120	1073.1 128,120	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WHSV-TV D34 LD APP	13.2	460		0.0 0
WRC-TV D34 DT CP	14.2	398	3.0 57	3.0 57
WUDW-LD D34 LD APP	9.1	372	1.0 0	1.0 0
WZTD-LD D34 LD APP	8.1	372	0.0 0	0.0 0
WSLS-TV D34 DT CP	7.1	382	0.0 0	0.0 0
WAHU-CD D35 DC CP	33.4	757	19.2 297	18.2 297

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Interference to BLCDT20090612AIZ LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXW-TV	D34	DT	LIC	MANASSAS, VA	BLCDT20090612AIZ	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	159.2 km
	WHUT-TV	D33	DT	APP	WASHINGTON, DC	BLANK0000035679	0.0
	WJAC-TV	D34	DT	LIC	JOHNSTOWN, PA	BLCDT20051123AKN	226.8
	WCAU	D34	DT	LIC	PHILADELPHIA, PA	BLANK0000053192	199.3
	WDCA	D35	DT	LIC	WASHINGTON, DC	BLCDT20070411AAH	0.7
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24147.8	8,092,088	23216.3	8,030,562	22752.4	7,991,382	22737.5 7,988,963	0.07 0.03

Undesired		Total IX	Unique IX, before	Unique IX, after
WHSV-TV D34 LD APP	54.6	8,767		14.9 2,419
WJAC-TV D34 DT LIC	80.5	8,935	56.6 7,765	30.8 2,057
WCAU D34 DT LIC	405.3	31,373	381.5 30,203	379.5 30,155
WDCA D35 DT LIC	2.0	42	2.0 42	2.0 42

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Interference to BLANK0000029619 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSLS-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	179.5 km
	WUNL-TV	D33	DT	CP	WINSTON-SALEM, NC	BLANK0000034443	93.9
	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	330.7
	WITN-TV	D34	DT	CP	WASHINGTON, NC	BLANK0000034101	320.2
	WNSC-TV	D34	DT	CP	ROCK HILL, SC	BLANK0000034493	273.8
	WVLT-TV	D34	DT	CP	KNOXVILLE, TN	BLANK0000025085	365.3
	WNPB-TV	D34	DT	CP	MORGANTOWN, WV	BLANK0000034624	279.3
	WFMY-TV	D35	DT	CP	GREENSBORO, NC	BLANK0000028086	150.4
	WAHU-CD	D35	DC	CP	CHARLOTTESVILLE, VA	BLANK0000034100	170.7

**Table 1 WHSV-TV DTDRT TVStudy Analysis of Proposal**  
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Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39556.0	1,448,666	34766.9	1,318,470	33848.0	1,284,702	33707.4	1,279,647	0.42	0.39
Undesired		Total IX		Unique IX, before		Unique IX, after			
WHSV-TV D34 LD APP		164.7	5,795			140.5	5,055		
WUNL-TV D33 DT CP		530.2	21,860	310.8	11,535	310.8	11,535		
WRC-TV D34 DT CP		92.0	2,539	60.7	1,504	47.6	1,001		
WITN-TV D34 DT CP		214.9	8,093	119.4	4,061	117.4	4,014		
WNSC-TV D34 DT CP		194.1	8,046	31.1	662	31.1	662		
WVLT-TV D34 DT CP		12.0	1,056	10.0	168	9.0	168		
WNPB-TV D34 DT CP		32.5	1,360	30.4	306	28.4	283		
WFMY-TV D35 DT CP		183.1	8,456	44.3	1,330	44.3	1,330		
WAHU-CD D35 DC CP		31.4	348	15.2	295	15.2	295		

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Interference to BLANK0000034624 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNPB-TV	D34	DT	CP	MORGANTOWN, WV	BLANK0000034624	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	168.2 km
	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	245.3
	WKBW-TV	D34	DT	CP	BUFFALO, NY	BLANK0000034829	340.6
	WKEF	D34	DT	CP	DAYTON, OH	BLANK0000034522	384.1
	WSLS-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	279.3
	WJAC-TV	D35	DT	CP	JOHNSTOWN, PA	BLANK0000027312	100.2
	WTAP-TV	D35	DT	CP	PARKERSBURG, WV	BLANK0000025208	159.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
30735.8	2,137,054	28441.4	1,998,674	28147.8	1,988,346	28141.9	1,988,342	0.02	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WHSV-TV D34 LD APP		22.9	212			6.0	4		
WRC-TV D34 DT CP		101.9	665	77.9	433	65.0	418		
WKBW-TV D34 DT CP		11.0	904	4.0	791	4.0	791		
WKEF D34 DT CP		4.0	58	2.0	44	2.0	44		
WSLS-TV D34 DT CP		12.9	193	8.0	193	6.0	0		
WJAC-TV D35 DT CP		191.7	8,793	171.7	8,448	171.7	8,448		
WTAP-TV D35 DT CP		5.0	74	3.0	60	3.0	60		

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Interference to BLANK0000034100 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WAHU-CD	D35	DC	CP	CHARLOTTESVILLE, VA	BLANK0000034100	
Undesireds:	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	52.0 km
	WFMY-TV	D35	DT	CP	GREENSBORO, NC	BLANK0000028086	264.2
	WJAC-TV	D35	DT	CP	JOHNSTOWN, PA	BLANK0000027312	268.8
	WPXW-TV	D35	DT	CP	MANASSAS, VA	BLANK0000034923	162.5
	WSVF-CD	D36	DC	CP	HARRISONBURG, VA	BLANK0000034406	52.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
10093.6	391,856	8511.3	290,010	8348.8	287,376	8348.8	287,376	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WHSV-TV D34 LD APP		1.0	0			0.0	0		
WFMY-TV D35 DT CP		10.1	161	4.0	2	4.0	2		
WJAC-TV D35 DT CP		1.0	0	0.0	0	0.0	0		
WPXW-TV D35 DT CP		157.4	2,632	150.3	2,473	150.3	2,473		
WSVF-CD D36 DC CP		2.0	0	0.0	0	0.0	0		

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Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHSV-TV	D34	LD	APP	Massanutten, VA	WHSV-TV DRT-34 Massn_K	
Undesireds:	WHUT-TV	D33	DT	APP	WASHINGTON, DC	BLANK0000035679	159.2 km
	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	158.7
	WACN-LP	D34z	LD	CP	RALEIGH, NC	BLANK0000050869	268.5
	W34EV-D	D34	LD	CP	Charlottesville, VA	BLANK0000008300	34.9
	WUDW-LD	D34	LD	APP	CROZET, VA	BLANK0000053751	141.6

**Table 1 WHSV-TV DTDRT TVStudy Analysis of Proposal**  
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WZTD-LD	D34	LD	APP	RICHMOND, VA	BLANK0000053792	141.6
WSLS-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	179.5
WNPB-TV	D34	DT	CP	MORGANTOWN, WV	BLANK0000034624	168.2
WAHU-CD	D35	DC	CP	CHARLOTTESVILLE, VA	BLANK0000034100	52.0
WUDJ-LD	D35	LD	LIC	CROZET, VA	BLANK0000014021	111.2
Service area		Terrain-limited		IX-free		Percent IX
11893.6	496,860	8373.3	319,899	8310.0	318,954	0.76 0.30
Undesired		Total IX		Unique IX		Prcnt Unique IX
WRC-TV D34 DT CP		23.1	43	16.1	43	0.19 0.01
W34EV-D D34 LD CP		1.0	0	0.0	0	0.00 0.00
WUDW-LD D34 LD APP		8.1	0	0.0	0	0.00 0.00
WZTD-LD D34 LD APP		8.1	0	0.0	0	0.00 0.00
WSLS-TV D34 DT CP		40.2	900	32.1	900	0.38 0.28
WNPB-TV D34 DT CP		4.0	2	2.0	2	0.02 0.00
WAHU-CD D35 DC CP		6.1	0	0.0	0	0.00 0.00