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

Special Displacement Window Application

LPTV or Translator Facility:	WPCW DRT Johnstown, PA Facility ID 69880 Licensed Ch. 27 File# BLCDT-20120709AED
Nature of Displacement:	Interference caused to WGPT Repack Ch. 26 Oakland, MD Interference caused to WTAE-TV Repack Ch. 27 Pittsburgh, PA Interference caused to WPCB-TV Repack Ch. 28 Greensburg, PA Interference received from WTAE-TV Repack Ch. 27 Pittsburgh, PA TVStudy Displacement summary in Table 1
Proposed Facility:	Ch. 30 15 kW ERP directional (azimuth pattern in Figure 1)
Modification Compliance:	0.0 km from licensed site No change in contour (comparison in Figure 2) Proposed DRT contour does not extend beyond former analog Grade B contour TVStudy Analysis report in Table 2 (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
RF Exposure:	The calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 1.6 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). This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

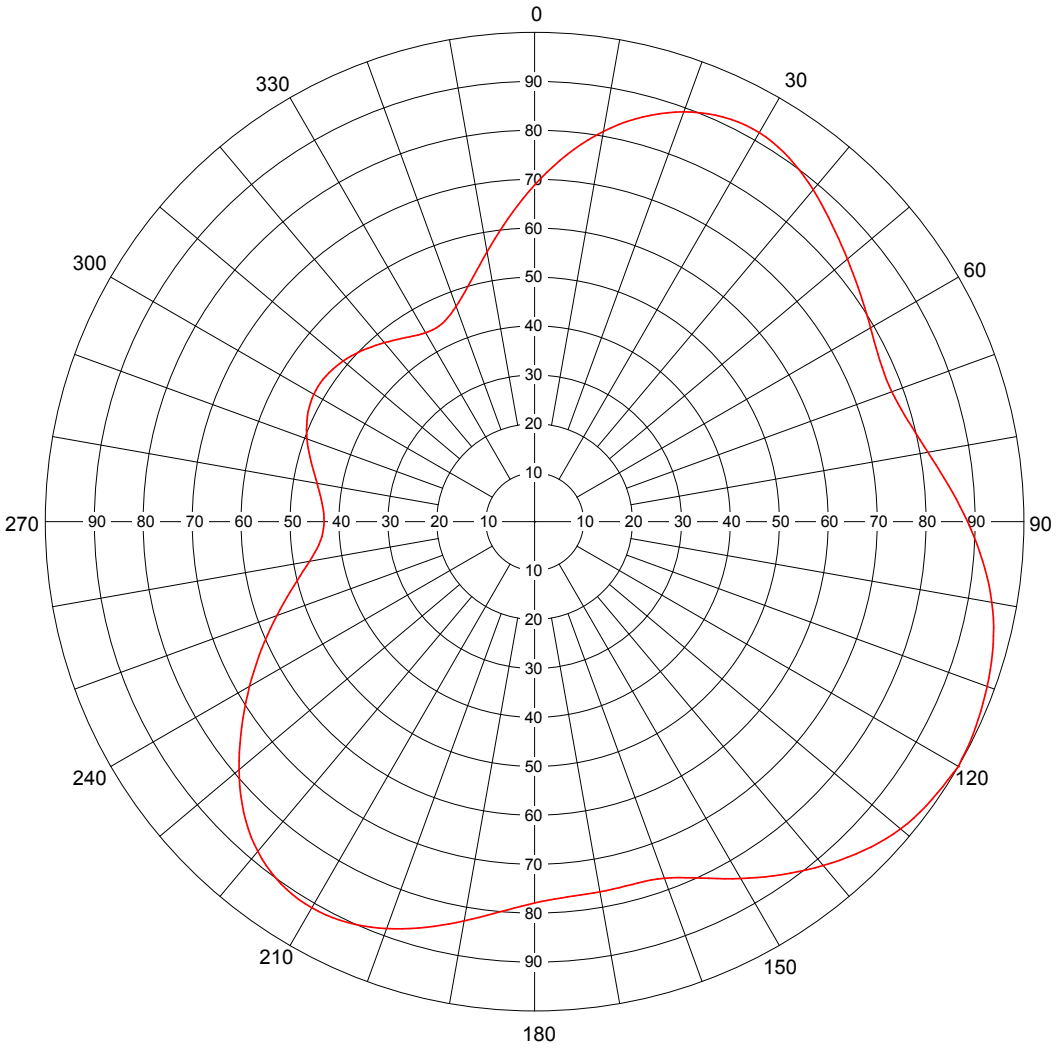
Chesapeake RF Consultants, LLC
Joseph M. Davis, P.E. April 19, 2018
207 Old Dominion Road Yorktown, VA 23692 703-650-9600

Dielectric

Date	**18 Apr 2018**		
Call Letters		Channel	**30**
Location			
Customer			
Antenna Type	**TLP-8H**		

AZIMUTH PATTERN

Gain	**1.70 (2.30 dB)**	Frequency	**569 MHz**
Calculated / Measured	**Calculated**	Drawing #	**TLP-H**



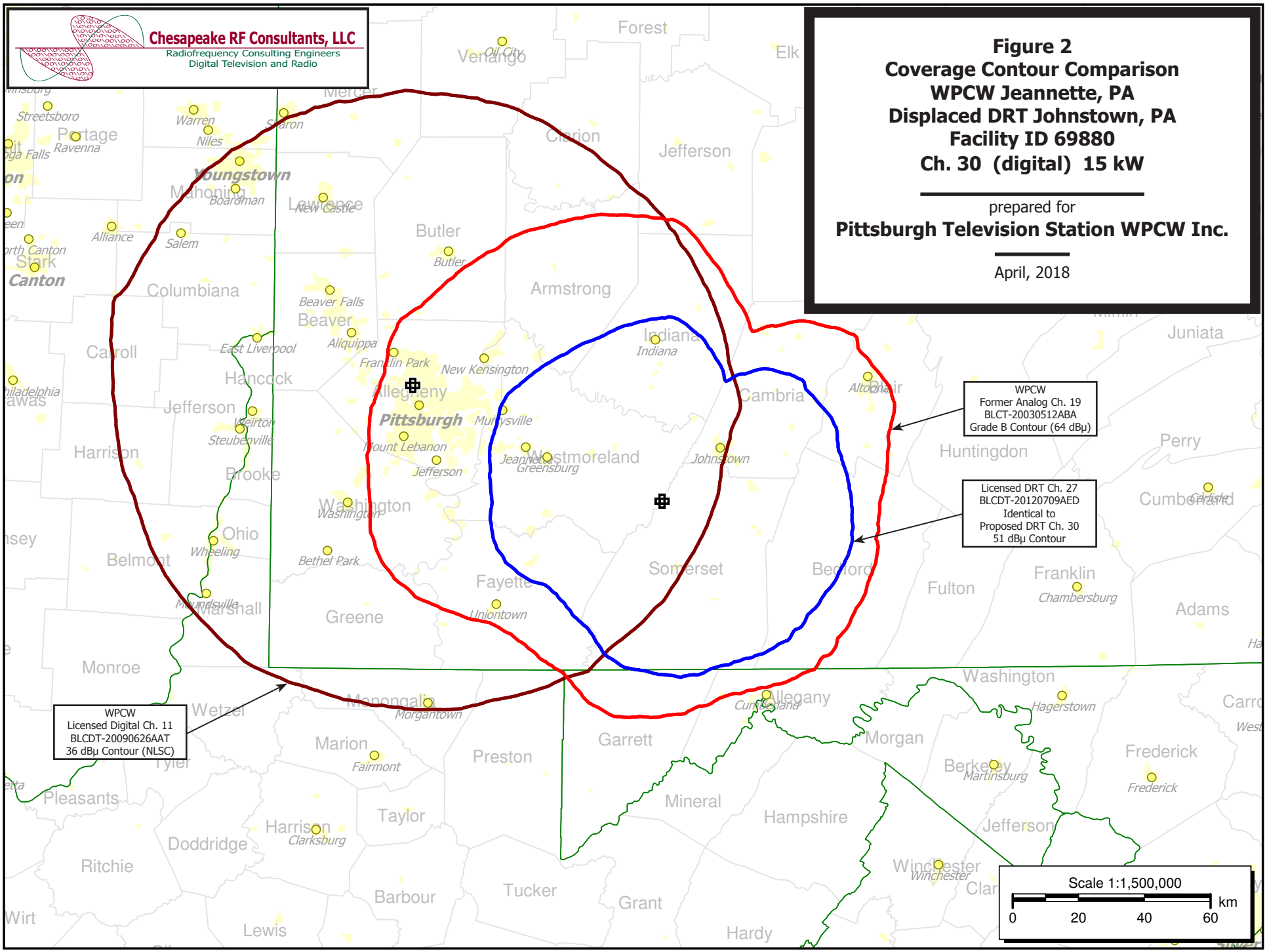
Remarks:

Figure 1
Antenna Azimuthal Pattern
WPCW Jeannette, PA
Displaced DRT Johnstown, PA
Facility ID 69880
Ch. 30 (digital) 15 kW

prepared for
Pittsburgh Television Station WPCW Inc.

April, 2018

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Figure 2
Coverage Contour Comparison
WPCW Jeannette, PA
Displaced DRT Johnstown, PA
Facility ID 69880
Ch. 30 (digital) 15 kW
prepared for
Pittsburgh Television Station WPCW Inc.
April, 2018
WPCW
Former Analog Ch. 19
BLCT-20030512ABA
Grade B Contour (64 dBµ)
Licensed DRT Ch. 27
BLCDT-20120709AED
Identical to
Proposed DRT Ch. 30
51 dBµ Contour
WPCW
Licensed Digital Ch. 11
BLCDT-20090626AAT
36 dBµ Contour (NLSC)
Scale 1:1,500,000
0 20 40 60 km
Pittsburgh
Youngstown
Canton
Johnstown
Wheeling
Morgantown
Fairmont
Clarksburg
Uniontown
Greensburg
Washington
Beaver Falls
New Kensington
Monongalia
Marshall
Ohio
Brooke
Hancock
Jefferson
Allegheny
Westmoreland
Somerset
Fayette
Greene
Washington
Butler
Armstrong
Indiana
Cambria
Huntingdon
Bedford
Fulton
Franklin
Adams
Perry
Juniata
Cumberland
Allegany
Garrett
Preston
Taylor
Harrison
Doddridge
Ritchie
Pleasants
Wetzel
Monroe
Tyler
Marion
Mineral
Hampshire
Morgan
Berkeley
Jefferson
Frederick
Hagerstown
Martinsburg
Winchester
Barbour
Tucker
Grant
Hardy
Lewis
Wirt
Harrison
Belmont
Carroll
Columbiana
Mahoning
Trumbull
Portage
Summit
Stark
Mercer
Forest
Elk
Clarion
Jefferson
Butler
Lawrence
Beaver
Allegheny
Washington
Greene
Fayette
Somerset
Bedford
Huntingdon
Cambria
Blair
Perry
Cumberland
Adams
Franklin
Fulton
Juniata
Indiana
Armstrong
Butler
Lawrence
Mercer
Forest
Elk
Clarion
Jefferson
Venango
Oil City
Sharon
Warren
Niles
Ravenna
Streetsboro
Boardman
New Castle
Alliance
Salem
Canton
East Liverpool
Aliquippa
Beaver Falls
Franklin Park
Mount Lebanon
Jefferson
Washington
Bethel Park
Monongahela
Morgantown
Wheeling
Steubenville
Weirton
Murrysville
Jeannette
Altoona
Carlisle
Chambersburg
Cumberland
Hagerstown
Martinsburg
Frederick
Winchester
Clarksburg
Fairmont

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Interference caused to WGPT Repack Ch. 26 Oakland, MD

Interference to BLANK0000034106 CP scenario 1
**IX: 4.29% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	
Undesireds:	WPCW	D27	LD	LIC	JEANNETTE, PA	BLCDT20120709AED	87.5 km
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	136.0
	WBFF	D26	DT	CP	BALTIMORE, MD	BLANK0000025699	227.3
	WGPX-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	352.2
	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	300.2
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	129.2
	WHTJ	D26	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034130	172.8
	WAZT-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	96.5
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000034565	106.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
18329.8	580,636	14136.8	336,340	13265.2	302,214	12894.4	289,234	2.80	4.29

Undesired	Total IX		Unique IX, before		Unique IX, after	
WPCW D27 LD LIC	444.2	14,793			370.9	12,980
KDKA-TV D25 DT LIC	75.4	1,747	4.0	171	4.0	171
WBFF D26 DT CP	181.6	7,011	87.9	3,440	86.9	3,440
WGPX-TV D26 DT CP	2.0	0	0.0	0	0.0	0
WFXP D26 DT CP	125.4	10,007	15.0	4,767	14.0	4,725
WOSC-CD D26 DC CP	533.3	19,667	344.7	12,108	305.5	11,362
WHTJ D26 DT CP	48.2	1,036	13.0	428	11.0	244
WAZT-CD D26 DC BL	188.2	4,513	102.4	1,813	102.4	1,813
WTAE-TV D27 DT CP	146.5	5,345	23.1	635	22.1	635

Interference caused to WTAE-TV Repack Ch. 27 Pittsburgh, PA

Interference to BLANK0000034565 CP scenario 1
**IX: 3.98% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000034565	
Undesireds:	WPCW	D27	LD	LIC	JEANNETTE, PA	BLCDT20120709AED	58.2 km
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	106.7
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	22.9
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	288.9
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	200.9
	WTTE	D27	DT	CP	COLUMBUS, OH	BLANK0000034206	276.2
	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	197.1
	WPXR-TV	D27	DT	CP	ROANOKE, VA	BLANK0000034915	344.4
	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	12.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24787.6	3,041,707	22869.4	2,922,159	21998.4	2,861,661	19930.7	2,747,829	9.40	3.98

Undesired	Total IX		Unique IX, before		Unique IX, after	
WPCW D27 LD LIC	2528.0	132,467			2067.7	113,832
WGPT D26 DT CP	40.3	570	31.2	518	12.1	155
WOSC-CD D26 DC CP	14.0	4,531	7.0	3,704	7.0	3,704
WMAR-TV D27 DT CP	70.3	1,043	53.2	819	7.0	134
W16DO-D D27 DC CP	48.0	5,627	6.0	1,092	4.0	1,092
WTTE D27 DT CP	232.0	12,189	137.2	4,475	66.1	2,278
WQLN D27 DT CP	374.1	17,200	255.3	11,211	121.1	5,968
WPXR-TV D27 DT CP	17.0	236	5.0	163	3.0	152
WPCB-TV D28 DT CP	271.3	31,285	226.4	28,972	137.6	23,454

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Interference caused to WPCB-TV Repack Ch. 28 Greensburg, PA

Interference to BLANK0000034177 CP scenario 2
**IX: 0.81% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	
Undesireds:	WPCW	D27	LD	LIC	JEANNETTE, PA	BLCDT20120709AED	60.1 km
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000034565	12.6
	WSYX	D28	DT	CP	COLUMBUS, OH	BLANK0000027371	279.8
	WJET-TV	D28	DT	CP	ERIE, PA	BLANK0000027719	184.7
	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	111.1
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	32.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
22647.7	2,956,637	21098.1	2,844,656	19787.0	2,770,201	19365.7	2,747,815	2.13	0.81

Undesired	Total IX		Unique IX, before		Unique IX, after	
WPCW D27 LD LIC	665.4	33,352			421.2	22,386
WTAE-TV D27 DT CP	341.1	27,669	277.9	22,668	273.9	22,500
WSYX D28 DT CP	127.2	8,111	63.2	3,366	63.2	3,366
WJET-TV D28 DT CP	748.9	36,049	625.0	26,526	384.8	15,728
WNEO D29 DT CP	229.8	14,077	167.1	8,842	167.1	8,842
WWAT-CD D29 DC CP	55.3	2,542	21.1	783	21.1	783

Interference received from WTAE-TV Repack Ch. 27 Pittsburgh, PA

Interference to proposal scenario 1
30.88% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPCW	D27	LD	LIC	JEANNETTE, PA	BLCDT20120709AED	
Undesireds:	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	87.5 km
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	76.6
	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	231.7
	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLDTT20101007ABN	204.7
	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	221.3
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000034565	58.2
	WHVL-LD	D27	LD	LIC	STATE COLLEGE, ETC., PA	BLANK0000006251	127.5
	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	60.1

Service area		Terrain-limited		IX-free		Percent IX	
9193.9	606,941	6748.2	437,476	5718.3	302,385	15.26	30.88

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WGPT D26 DT CP	1.0	0	0.0	0	0.00	0.00
WMAR-TV D27 DT CP	17.1	52	4.0	4	0.06	0.00
WQLN D27 DT CP	17.0	1,188	1.0	0	0.01	0.00
WTAE-TV D27 DT CP	961.8	129,633	777.7	110,296	11.52	25.21
WHVL-LD D27 LD LIC	73.1	3,134	36.0	2,067	0.53	0.47
WPCB-TV D28 DT CP	161.1	20,957	25.0	3,380	0.37	0.77

Table 2 WPCW DRT TVStudy Analysis of Proposal

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```
tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: WPCW DRT Ch-30 prop all 1.0-0.2,  Model: Longley-Rice
Start: 2018.04.18 17:56:35

Study created: 2018.04.18 17:56:34

Study build station data: LMS TV 2018-04-17

    Proposal: WPCW D30 LD APP Johnstown, PA
 File number: WPCW DRT Ch-30 prop
 Facility ID: 69880
Station data: User record
   Record ID: 1975
     Country: U.S.

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	WAZC-LP	N16-	TX	LIC	LURAY, VA	BLTTL20020508AAB	176.8 km
No	WMPB	D29	DT	LIC	BALTIMORE, MD	BLEDT20090330AEX	216.5
Yes	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	115.0
No	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	170.7
No	WIVN-LD	D29	LD	CP	NEWCOMERSTOWN, OH	BPDTL20141020AAD	202.1
No	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	70.9
Yes	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDT20130416AAU	37.9
No	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	76.6
No	W29CO	N29z	TX	LIC	SHARON, PA	BLTTL20031216ACI	160.7
No	W29CO	D29	LD	CP	SHARON, PA	BDFCDTL20100405ABT	160.7
No	WHVL-LP	N29+	TX	LIC	STATE COLLEGE, ETC., PA	BLTTL19911123JH	127.5
No	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	203.7
No	WQMY	D29	DT	APP	WILLIAMSPORT, PA	BLANK0000035754	203.7
No	W29DH-D	D29	LD	LIC	MOOREFIELD, WV	BLDTT20120608ABZ	134.5
No	WIAV-CD	D30	DC	CP	WASHINGTON, DC	BLANK0000029340	223.2
No	WKMR	D30	DT	CP	MOREHEAD, KY	BLANK0000029752	430.4
No	W30DT-D	D30	LD	CP	SALISBURY, MD	BDCCDTL20120628AAS	359.2
No	WFUT-DT	D30	DT	LIC	NEWARK, NJ	BLANK0000037827	439.4
No	WYDC	D30	DT	CP	CORNING, NY	BLANK0000034651	277.5
No	WSKA	D30	DT	LIC	CORNING, NY	BLEDT20060705ABL	277.5
No	W30BW	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	216.2
No	W30BW	D30	LD	CP	OLEAN, NY	BLANK0000022310	262.6
No	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	465.0
Yes	WBNX-TV	D30	DT	LIC	AKRON, OH	BLCDT20070430AXX	254.0
No	WRGT-TV	D30	DT	LIC	DAYTON, OH	BLANK0000001064	439.6
No	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	244.6
No	NEW	D30	LD	APP	ERIE, PA	BNPDTL20100714AAI	223.1
No	KYW-TV	D30	DT	CP	PHILADELPHIA, PA	BLANK0000033618	330.8
No	WELL-LD	D30	LD	LIC	PHILADELPHIA, PA	BLDTL20100208AAC	331.2
Yes	WBPA-LP	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	82.0
Yes	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	76.6
No	WFWG-LD	D30	LD	APP	CROZET, VA	BLANK0000051660	324.7
No	W30CT-D	D30	LD	LIC	HARRISONBURG, VA	BLDTT20110512AAN	201.1
No	WDBJ	D30	DT	CP	ROANOKE, VA	BLANK0000029919	343.6
No	WSLS-TV	D30	DT	LIC	ROANOKE, VA	BLCDT20110615ABO	342.8
No	WDCO-CD	D30	DC	CP	WOODSTOCK, VA	BLANK0000027758	190.3
No	W30CH	D30	LD	CP	CLARKSBURG, WV	BDFCDTL20120329AOK	142.6
No	W30CH	N30-	TX	LIC	CLARKSBURG, WV	BLTTL20070319AAK	142.6
No	W30DG-D	D30	LD	LIC	HUNTINGTON, WV	BLDTL20120629AAX	342.8
No	W30DU-D	D30	LD	CP	SUTTON, WV	BNPDTL20100514AAO	219.8
Yes	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	138.6
No	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	222.6
No	WETA-TV	D31	LD	CP	WASHINGTON, DC	BDRTEDT20090811ACE	180.9
No	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	160.4
No	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	160.7
Yes	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	72.3
No	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	110.6
No	WWBP-LP	D31	LD	APP	FREEDOM, PA	BDFCDTL20121022ACD	95.0
No	WGAL	D31	LD	APP	LANCASTER, PA	BDRTCDT20090824ADR	142.8

No	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	76.6
No	KDKA-TV	D31	LD	APP	PITTSBURGH, PA	BDRTCDT20090630ADY	76.3
No	W31CQ	N31+	TX	LIC	ELKINS, WV	BLTTL20070711ACO	162.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D30
       Mask: Full Service
   Latitude:  40 10 51.30 N (NAD83)
  Longitude:  79  7 45.40 W
Height AMSL: 927.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: DIE-TLP-8H/VP (ID 93839) 120.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.50
```

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.10 kW	381.4 m	56.3 km
45.0	11.1	309.6	55.1
90.0	11.7	357.6	57.9
135.0	13.5	316.6	56.6
180.0	9.10	292.3	53.1
225.0	10.4	116.2	43.3
270.0	2.77	419.0	52.4
315.0	3.66	475.9	56.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 334 m

Proposal 25.32 dBu contour does not cross Canadian border
Distance to Canadian border: 258.4 km

Distance to Mexican border: 2280.6 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 119.0 degrees Distance: 227.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 278.4 degrees Distance: 2208.5 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%

Interference to BLANK0000034108 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	115.0 km
	WFPT	D28	DT	CP	FREDERICK, MD	BLANK0000029876	71.3
	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	231.3
	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	285.7
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	178.1
	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	186.6
	WCVW	D29	DT	CP	RICHMOND, VA	BLANK0000034129	239.8
	WCHS-TV	D29	DT	CP	CHARLESTON, WV	BLANK0000034592	366.6
	WIAV-CD	D30	DC	CP	WASHINGTON, DC	BLANK0000029340	110.0
	WDCO-CD	D30	DC	CP	WOODSTOCK, VA	BLANK0000027758	89.7

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Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28943.3	3,193,594	24474.9	2,815,607	23270.8	2,319,943	23266.8	2,319,913	0.02	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP		33.2	330			4.0	30
WFPT D28 DT CP		703.4	386,801	412.3	169,008	412.3	169,008
WMDT D29 DT BL		142.2	69,394	18.9	2,222	18.9	2,222
WNEO D29 DT CP		46.2	445	23.1	282	14.0	157
WWAT-CD D29 DC CP		27.1	341	6.0	183	4.0	142
WQMY D29 DT LIC		4.0	0	3.0	0	3.0	0
WCVW D29 DT CP		393.1	162,267	158.6	23,078	158.6	23,078
WCHS-TV D29 DT CP		2.0	0	0.0	0	0.0	0
WIAV-CD D30 DC CP		292.4	256,934	72.7	57,821	72.7	57,821
WDCO-CD D30 DC CP		141.6	3,060	120.6	2,953	120.6	2,953

Interference to BLANK0000034108 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	115.0 km
	WFPT	D28	DT	CP	FREDERICK, MD	BLANK0000029876	71.3
	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	231.3
	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	285.7
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	178.1
	WQMY	D29	DT	APP	WILLIAMSPORT, PA	BLANK0000035754	186.6
	WCVW	D29	DT	CP	RICHMOND, VA	BLANK0000034129	239.8
	WCHS-TV	D29	DT	CP	CHARLESTON, WV	BLANK0000034592	366.6
	WIAV-CD	D30	DC	CP	WASHINGTON, DC	BLANK0000029340	110.0
	WDCO-CD	D30	DC	CP	WOODSTOCK, VA	BLANK0000027758	89.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28943.3	3,193,594	24474.9	2,815,607	23214.0	2,319,180	23209.9	2,319,150	0.02	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP		33.2	330			4.0	30
WFPT D28 DT CP		703.4	386,801	412.3	169,008	412.3	169,008
WMDT D29 DT BL		142.2	69,394	18.9	2,222	18.9	2,222
WNEO D29 DT CP		46.2	445	18.1	271	11.0	153
WWAT-CD D29 DC CP		27.1	341	4.0	179	3.0	138
WQMY D29 DT APP		73.9	841	59.9	763	59.9	763
WCVW D29 DT CP		393.1	162,267	158.6	23,078	158.6	23,078
WCHS-TV D29 DT CP		2.0	0	0.0	0	0.0	0
WIAV-CD D30 DC CP		292.4	256,934	72.7	57,821	72.7	57,821
WDCO-CD D30 DC CP		141.6	3,060	120.6	2,953	120.6	2,953

Interference to BLCDT20130416AAU LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDT20130416AAU	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	37.9 km
	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	95.6
	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	86.0
	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	203.9
	WIVN-LD	D29	LD	CP	NEWCOMERSTOWN, OH	BPDTL20141020AAD	239.6
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	108.8
	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	112.0
	W29CO	N29z	TX	LIC	SHARON, PA	BLTTL20031216ACI	187.1
	WHVL-LP	N29+	TX	LIC	STATE COLLEGE, ETC., PA	BLTTL19911123JH	100.0
	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	172.5
	W29DH-D	D29	LD	LIC	MOOREFIELD, WV	BLDTT20120608ABZ	136.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8143.2	376,164	6003.5	256,127	5802.2	244,508	5785.1	243,663	0.29	0.35

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP		23.1	1,014			17.1	845
WPCB-TV D28 DT CP		4.0	36	0.0	0	0.0	0
WWPB D29 DT CP		110.2	3,151	70.2	2,203	69.2	2,203
WNEO D29 DT CP		65.1	2,575	43.1	1,977	39.1	1,864

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WWAT-CD D29 DC CP	15.0	65	6.0	16	6.0	16
WIIC-LD N29+ TX LIC	4.0	36	0.0	0	0.0	0
WHVL-LP N29+ TX LIC	60.0	6,812	39.0	6,475	39.0	6,475
WQMY D29 DT LIC	3.0	0	0.0	0	0.0	0
W29DH-D D29 LD LIC	1.0	0	0.0	0	0.0	0

Interference to BLCDT20130416AAU LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDT20130416AAU	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	37.9 km
	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	95.6
	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	86.0
	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	203.9
	WIVN-LD	D29	LD	CP	NEWCOMERSTOWN, OH	BPDTL20141020AAD	239.6
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	108.8
	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	112.0
	W29CO	D29	LD	CP	SHARON, PA	BDFCDTL20100405ABT	187.1
	WHVL-LP	N29+	TX	LIC	STATE COLLEGE, ETC., PA	BLTTL19911123JH	100.0
	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	172.5
	W29DH-D	D29	LD	LIC	MOOREFIELD, WV	BLDTT20120608ABZ	136.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8143.2	376,164	6003.5	256,127	5802.2	244,508	5785.1	243,663	0.29	0.35

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	23.1	1,014			17.1	845
WPCB-TV D28 DT CP	4.0	36	0.0	0	0.0	0
WWPB D29 DT CP	110.2	3,151	70.2	2,203	69.2	2,203
WNEO D29 DT CP	65.1	2,575	43.1	1,977	39.1	1,864
WWAT-CD D29 DC CP	15.0	65	6.0	16	6.0	16
WIIC-LD N29+ TX LIC	4.0	36	0.0	0	0.0	0
W29CO D29 LD CP	2.0	36	0.0	0	0.0	0
WHVL-LP N29+ TX LIC	60.0	6,812	39.0	6,475	39.0	6,475
WQMY D29 DT LIC	3.0	0	0.0	0	0.0	0
W29DH-D D29 LD LIC	1.0	0	0.0	0	0.0	0

Interference to BLCDT20130416AAU LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDT20130416AAU	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	37.9 km
	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	95.6
	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	86.0
	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	203.9
	WIVN-LD	D29	LD	CP	NEWCOMERSTOWN, OH	BPDTL20141020AAD	239.6
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	108.8
	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	112.0
	W29CO	N29z	TX	LIC	SHARON, PA	BLTTL20031216ACI	187.1
	WHVL-LP	N29+	TX	LIC	STATE COLLEGE, ETC., PA	BLTTL19911123JH	100.0
	WQMY	D29	DT	APP	WILLIAMSPORT, PA	BLANK0000035754	172.5
	W29DH-D	D29	LD	LIC	MOOREFIELD, WV	BLDTT20120608ABZ	136.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8143.2	376,164	6003.5	256,127	5797.2	244,189	5783.1	243,636	0.24	0.23

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	23.1	1,014			14.1	553
WPCB-TV D28 DT CP	4.0	36	0.0	0	0.0	0
WWPB D29 DT CP	110.2	3,151	67.2	2,154	66.2	2,154
WNEO D29 DT CP	65.1	2,575	41.1	1,910	39.1	1,864
WWAT-CD D29 DC CP	15.0	65	6.0	16	6.0	16
WIIC-LD N29+ TX LIC	4.0	36	0.0	0	0.0	0
WHVL-LP N29+ TX LIC	60.0	6,812	39.0	6,475	39.0	6,475
WQMY D29 DT APP	17.0	446	5.0	319	2.0	27
W29DH-D D29 LD LIC	1.0	0	0.0	0	0.0	0

Interference to BLCDT20130416AAU LIC scenario 4

Table 2 WPCW DRT TVStudy Analysis of Proposal

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	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDT20130416AAU	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	37.9 km
	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000034177	95.6
	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	86.0
	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	203.9
	WIVN-LD	D29	LD	CP	NEWCOMERSTOWN, OH	BPDTL20141020AAD	239.6
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	108.8
	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	112.0
	W29CO	D29	LD	CP	SHARON, PA	BDFCDTL20100405ABT	187.1
	WHVL-LP	N29+	TX	LIC	STATE COLLEGE, ETC., PA	BLTTL19911123JH	100.0
	WQMY	D29	DT	APP	WILLIAMSPORT, PA	BLANK0000035754	172.5
	W29DH-D	D29	LD	LIC	MOOREFIELD, WV	BLDTT20120608ABZ	136.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8143.2	376,164	6003.5	256,127	5797.2	244,189	5783.1	243,636	0.24	0.23

Undesired	Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP	23.1	1,014			14.1	553
WPCB-TV D28 DT CP	4.0	36	0.0	0	0.0	0
WWPB D29 DT CP	110.2	3,151	67.2	2,154	66.2	2,154
WNEO D29 DT CP	65.1	2,575	41.1	1,910	39.1	1,864
WWAT-CD D29 DC CP	15.0	65	6.0	16	6.0	16
WIIC-LD N29+ TX LIC	4.0	36	0.0	0	0.0	0
W29CO D29 LD CP	2.0	36	0.0	0	0.0	0
WHVL-LP N29+ TX LIC	60.0	6,812	39.0	6,475	39.0	6,475
WQMY D29 DT APP	17.0	446	5.0	319	2.0	27
W29DH-D D29 LD LIC	1.0	0	0.0	0	0.0	0

Interference to BLCDT20070430AXX LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WBNX-TV	D30	DT	LIC	AKRON, OH	BLCDT20070430AXX	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	254.0 km
	WEYI-TV	D30	DT	LIC	SAGINAW, MI	BLCDT20040123ASH	263.1
	WRGT-TV	D30	DT	LIC	DAYTON, OH	BLANK0000001064	284.1
	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	178.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
21396.7	3,642,620	21087.8	3,627,616	20960.9	3,615,565	20960.9	3,615,565	0.00	0.00
3617.2	1,000	3617.2	1,000	3617.2	1,000	3617.2	1,000	0.00	0.00
(in Canada)									

Undesired	Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP	2.0	119			0.0	0
WEYI-TV D30 DT LIC	5.0	90	1.0	0	1.0	0
WRGT-TV D30 DT LIC	16.9	5,974	14.9	5,455	14.9	5,455
WPTG-CD D30 DC CP	111.0	6,596	105.0	5,987	103.0	5,868

Interference to BLANK0000007299 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WBPA-LP	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	82.0 km
	W29CO	N29z	TX	LIC	SHARON, PA	BLTTL20031216ACI	96.6
	W30BW	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	226.7
	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	7.5
	W30CH	D30	LD	CP	CLARKSBURG, WV	BDFCDTL20120329AOK	126.9
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	87.0
	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	35.0
	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	7.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
46.9	95,672	39.9	83,025	36.9	78,967	36.9	78,967	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP	2.0	3,070			0.0	0

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WPTG-CD D30 DC CP	3.0	4,058	3.0	4,058	1.0	988			

Interference to BLANK0000029758 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	76.6 km
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	34.5
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	181.0
	WBYD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	0.0
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	88.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8720.9	2,155,800	8374.2	2,086,433	5135.2	1,110,152	5133.2	1,109,343	0.04	0.07

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP	228.6	25,850				2.0	809
WWAT-CD D29 DC CP	37.1	5,827		0.0	0	0.0	0
WHIZ-TV D30 DT CP	7.0	276		0.0	0	0.0	0
WBYD-CD D30 DC BL	3239.0	976,281		3194.9	970,178	2984.3	945,976

Interference to BLANK0000029758 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	76.6 km
	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	34.5
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	181.0
	WBYD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	0.0
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	88.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
8720.9	2,155,800	8374.2	2,086,433	5135.2	1,110,152	5133.2	1,109,343	0.04	0.07

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP	228.6	25,850				2.0	809
WWAT-CD D29 DC CP	37.1	5,827		0.0	0	0.0	0
WHIZ-TV D30 DT CP	7.0	276		0.0	0	0.0	0
WBYD-CD D30 DC BL	3239.0	976,281		3181.9	970,050	2975.3	945,848
WYTV D31 DT APP	12.9	128		0.0	0	0.0	0

Interference to BLDTT20100112AAM LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	138.6 km
	WIVN-LD	D29	LD	CP	NEWCOMERSTOWN, OH	BPDTL20141020AAD	71.6
	W29CO	N29z	TX	LIC	SHARON, PA	BLTTL20031216ACI	133.6
	W30BW	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	295.1
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	106.0
	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	79.4
	W30CH	D30	LD	CP	CLARKSBURG, WV	BDFCDTL20120329AOK	91.5
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	111.6
	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	82.0
	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	79.4
	KDKA-TV	D31	LD	APP	PITTSBURGH, PA	BDRTCDT20090630ADY	93.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4551.8	257,442	4377.2	239,674	4178.6	228,948	4176.6	228,847	0.05	0.04

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP	15.0	518				2.0	101
WHIZ-TV D30 DT CP	120.5	2,531		100.4	2,185	100.4	2,185
WPTG-CD D30 DC CP	91.2	8,406		73.1	8,149	68.1	7,938
W30CH D30 LD CP	2.0	24		1.0	23	1.0	23
KDKA-TV D31 LD APP	7.0	119		3.0	15	2.0	0

Interference to BLDTT20100112AAM LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	138.6 km
	WIVN-LD	D29	LD	LIC	NEWCOMERSTOWN, OH	BLDTL20101222AAZ	71.6
	W29CO	N29z	TX	LIC	SHARON, PA	BLTTL20031216ACI	133.6
	W30BW	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	295.1
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	106.0
	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	79.4
	W30CH	D30	LD	CP	CLARKSBURG, WV	BDFCDTL20120329AOK	91.5
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	111.6
	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	82.0
	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	79.4
	KDKA-TV	D31	LD	APP	PITTSBURGH, PA	BDRTCDT20090630ADY	93.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4551.8	257,442	4377.2	239,674	4178.6	228,948	4176.6	228,847	0.05	0.04

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP	15.0	518		2.0		101	
WIVN-LD D29 LD LIC	1.0	0	0.0	0	0.0	0	
WHIZ-TV D30 DT CP	120.5	2,531	100.4	2,185	100.4	2,185	
WPTG-CD D30 DC CP	91.2	8,406	73.1	8,149	68.1	7,938	
W30CH D30 LD CP	2.0	24	1.0	23	1.0	23	
KDKA-TV D31 LD APP	7.0	119	3.0	15	2.0	0	

Interference to BLDTT20100112AAM LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	138.6 km
	WIVN-LD	D29	LD	CP	NEWCOMERSTOWN, OH	BPDTL20141020AAD	71.6
	W29CO	N29z	TX	LIC	SHARON, PA	BLTTL20031216ACI	133.6
	W30BW	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	295.1
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	106.0
	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	79.4
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	111.6
	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	82.0
	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	79.4
	KDKA-TV	D31	LD	APP	PITTSBURGH, PA	BDRTCDT20090630ADY	93.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4551.8	257,442	4377.2	239,674	4179.6	228,971	4177.6	228,870	0.05	0.04

Undesired		Total IX		Unique IX, before		Unique IX, after	
WPCW D30 LD APP	15.0	518		2.0		101	
WHIZ-TV D30 DT CP	120.5	2,531	101.4	2,186	101.4	2,186	
WPTG-CD D30 DC CP	91.2	8,406	73.1	8,149	68.1	7,938	
KDKA-TV D31 LD APP	7.0	119	3.0	15	2.0	0	

Interference to BLDTT20100112AAM LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	138.6 km
	WIVN-LD	D29	LD	LIC	NEWCOMERSTOWN, OH	BLDTL20101222AAZ	71.6
	W29CO	N29z	TX	LIC	SHARON, PA	BLTTL20031216ACI	133.6
	W30BW	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	295.1
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	106.0
	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	79.4
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	111.6
	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	82.0
	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	79.4
	KDKA-TV	D31	LD	APP	PITTSBURGH, PA	BDRTCDT20090630ADY	93.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX

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4551.8	257,442	4377.2	239,674	4179.6	228,971	4177.6	228,870	0.05	0.04

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	15.0	518			2.0	101
WIVN-LD D29 LD LIC	1.0	0	0.0	0	0.0	0
WHIZ-TV D30 DT CP	120.5	2,531	101.4	2,186	101.4	2,186
WPTG-CD D30 DC CP	91.2	8,406	73.1	8,149	68.1	7,938
KDKA-TV D31 LD APP	7.0	119	3.0	15	2.0	0

Interference to BLANK0000028661 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	72.3 km
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	276.5
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	192.3
	WTXF-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	CP	HARRISBURG, PA	BLANK0000027770	135.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23354.4	890,526	19805.8	745,315	19560.2	741,272	19507.1	739,617	0.27	0.22

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	70.2	1,743			53.1	1,655
WETA-TV D31 DT CP	118.3	2,153	75.2	1,636	73.2	1,589
WMPT D31 DT BL	21.0	267	1.0	16	1.0	16
WSKG-TV D31 DT CP	10.0	46	4.0	14	4.0	14
WNED-TV D31 DT APP	35.2	195	9.1	93	9.1	93
WYTV D31 DT CP	120.4	1,964	78.2	1,440	65.1	1,399
WTXF-TV D31 DT CP	14.0	346	2.0	0	2.0	0
WHP-TV D32 DT CP	17.0	295	9.0	139	9.0	139

Interference to BLANK0000028661 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	72.3 km
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	276.5
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	193.0
	WTXF-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	CP	HARRISBURG, PA	BLANK0000027770	135.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23354.4	890,526	19805.8	745,315	19588.4	741,891	19529.2	740,222	0.30	0.22

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	70.2	1,743			59.1	1,669
WETA-TV D31 DT CP	118.3	2,153	77.2	1,671	76.2	1,657
WMPT D31 DT BL	21.0	267	1.0	16	1.0	16
WSKG-TV D31 DT CP	10.0	46	5.0	14	5.0	14
WNED-TV D31 DT APP	35.2	195	8.0	93	8.0	93
WYTV D31 DT APP	88.2	1,088	50.0	821	43.0	794
WTXF-TV D31 DT CP	14.0	346	2.0	0	2.0	0
WHP-TV D32 DT CP	17.0	295	9.0	139	9.0	139

Interference to BLANK0000028661 CP scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	72.3 km
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3

	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	276.5
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	192.3
	WTXF-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	CP	HARRISBURG, PA	BLANK0000027770	135.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23354.4	890,526	19805.8	745,315	19566.2	741,365	19513.1	739,710	0.27	0.22

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	70.2	1,743			53.1	1,655
WETA-TV D31 DT CP	118.3	2,153	75.2	1,636	73.2	1,589
WMPT D31 DT BL	21.0	267	1.0	16	1.0	16
WSKG-TV D31 DT CP	10.0	46	4.0	14	4.0	14
WNED-TV D31 DT CP	11.1	0	3.0	0	3.0	0
WYTV D31 DT CP	120.4	1,964	93.3	1,472	80.3	1,431
WTXF-TV D31 DT CP	14.0	346	2.0	0	2.0	0
WHP-TV D32 DT CP	17.0	295	9.0	139	9.0	139

Interference to BLANK0000028661 CP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	72.3 km
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	276.5
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	193.0
	WTXF-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	CP	HARRISBURG, PA	BLANK0000027770	135.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23354.4	890,526	19805.8	745,315	19594.4	741,984	19535.3	740,315	0.30	0.22

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	70.2	1,743			59.1	1,669
WETA-TV D31 DT CP	118.3	2,153	77.2	1,671	76.2	1,657
WMPT D31 DT BL	21.0	267	1.0	16	1.0	16
WSKG-TV D31 DT CP	10.0	46	5.0	14	5.0	14
WNED-TV D31 DT CP	11.1	0	2.0	0	2.0	0
WYTV D31 DT APP	88.2	1,088	65.1	853	58.1	826
WTXF-TV D31 DT CP	14.0	346	2.0	0	2.0	0
WHP-TV D32 DT CP	17.0	295	9.0	139	9.0	139

Interference to BLANK0000028661 CP scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	72.3 km
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	276.5
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	192.3
	WTXF-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	APP	HARRISBURG, PA	BLANK0000033781	135.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23354.4	890,526	19805.8	745,315	19555.2	741,272	19502.1	739,617	0.27	0.22

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	70.2	1,743			53.1	1,655
WETA-TV D31 DT CP	118.3	2,153	74.2	1,636	72.2	1,589
WMPT D31 DT BL	21.0	267	1.0	16	1.0	16
WSKG-TV D31 DT CP	10.0	46	4.0	14	4.0	14
WNED-TV D31 DT APP	35.2	195	9.1	93	9.1	93
WYTV D31 DT CP	120.4	1,964	78.2	1,440	65.1	1,399

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WTXF-TV D31 DT CP	14.0	346	2.0	0	2.0	0	
WHP-TV D32 DT APP	24.0	485	14.0	139	14.0	139	

Interference to BLANK0000028661 CP scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	72.3 km
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	APP	BUFFALO, NY	BLANK0000034601	276.5
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	193.0
	WTXF-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	APP	HARRISBURG, PA	BLANK0000033781	135.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23354.4	890,526	19805.8	745,315	19583.4	741,891	19524.2	740,222	0.30	0.22

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	70.2	1,743			59.1	1,669
WETA-TV D31 DT CP	118.3	2,153	76.2	1,671	75.2	1,657
WMPT D31 DT BL	21.0	267	1.0	16	1.0	16
WSKG-TV D31 DT CP	10.0	46	5.0	14	5.0	14
WNED-TV D31 DT APP	35.2	195	8.0	93	8.0	93
WYTV D31 DT APP	88.2	1,088	50.0	821	43.0	794
WTXF-TV D31 DT CP	14.0	346	2.0	0	2.0	0
WHP-TV D32 DT APP	24.0	485	14.0	139	14.0	139

Interference to BLANK0000028661 CP scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	72.3 km
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	276.5
	WYTV	D31	DT	CP	YOUNGSTOWN, OH	BLANK0000028136	192.3
	WTXF-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	APP	HARRISBURG, PA	BLANK0000033781	135.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23354.4	890,526	19805.8	745,315	19561.2	741,365	19508.1	739,710	0.27	0.22

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	70.2	1,743			53.1	1,655
WETA-TV D31 DT CP	118.3	2,153	74.2	1,636	72.2	1,589
WMPT D31 DT BL	21.0	267	1.0	16	1.0	16
WSKG-TV D31 DT CP	10.0	46	4.0	14	4.0	14
WNED-TV D31 DT CP	11.1	0	3.0	0	3.0	0
WYTV D31 DT CP	120.4	1,964	93.3	1,472	80.3	1,431
WTXF-TV D31 DT CP	14.0	346	2.0	0	2.0	0
WHP-TV D32 DT APP	24.0	485	14.0	139	14.0	139

Interference to BLANK0000028661 CP scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	
Undesireds:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	72.3 km
	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	214.3
	WMPT	D31	DT	BL	ANNAPOLIS, MD	DTVBL65942	233.6
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	266.5
	WNED-TV	D31	DT	CP	BUFFALO, NY	BLANK0000026684	276.5
	WYTV	D31	DT	APP	YOUNGSTOWN, OH	BLANK0000034845	193.0
	WTXF-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	277.9
	WHP-TV	D32	DT	APP	HARRISBURG, PA	BLANK0000033781	135.5

Table 2 WPCW DRT TVStudy Analysis of Proposal

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

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
23354.4	890,526	19805.8	745,315	19589.4	741,984	19530.3	740,315	0.30	0.22

Undesired		Total IX	Unique IX, before		Unique IX, after	
WPCW D30 LD APP	70.2	1,743			59.1	1,669
WETA-TV D31 DT CP	118.3	2,153	76.2	1,671	75.2	1,657
WMPT D31 DT BL	21.0	267	1.0	16	1.0	16
WSKG-TV D31 DT CP	10.0	46	5.0	14	5.0	14
WNED-TV D31 DT CP	11.1	0	2.0	0	2.0	0
WYTV D31 DT APP	88.2	1,088	65.1	853	58.1	826
WTXF-TV D31 DT CP	14.0	346	2.0	0	2.0	0
WHP-TV D32 DT APP	24.0	485	14.0	139	14.0	139

Interference to proposal scenario 1
**MX: 7.15% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPCW	D30	LD	APP	Johnstown, PA	WPCW DRT Ch-30 prop	
Undesireds:	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDT20130416AAU	37.9 km
	W30BW	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	216.2
	WHIZ-TV	D30	DT	CP	ZANESVILLE, OH	BLANK0000024560	244.6
	WBPA-LP	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	82.0
	WPTG-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000029758	76.6
	W30CH	D30	LD	CP	CLARKSBURG, WV	BDFCDTL20120329AOK	142.6
	W30CO-D	D30	LD	LIC	WHEELING, WV	BLDTT20100112AAM	138.6
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	72.3
	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	110.6
	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	76.6
	KDKA-TV	D31	LD	APP	PITTSBURGH, PA	BDRTCDT20090630ADY	76.3

Service area		Terrain-limited		IX-free		Percent IX	
9050.6	599,966	7339.9	458,138	7020.7	425,374	4.35	7.15

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WJAC-TV D29 LD LIC	43.2	1,429	38.2	478	0.52	0.10
WHIZ-TV D30 DT CP	1.0	0	0.0	0	0.00	0.00
WBPA-LP N30+ TX LIC	1.0	0	0.0	0	0.00	0.00
WPTG-CD D30 DC CP	249.0	28,197	221.9	24,754	3.02	5.40
W30CO-D D30 LD LIC	2.0	74	0.0	0	0.00	0.00
WATM-TV D31 DT CP	15.0	2,329	14.0	1,527	0.19	0.33
KDKA-TV D31 LD APP	39.1	5,054	16.0	1,686	0.22	0.37