

**WDCN-LP DISPLACEMENT APPLICATION FOR CH 8 3 kW DIRECTIONAL
FAIRFAX, VIRGINIA
ENGINEERING NARRATIVE AND RF RADIATION ENVIRONMENTAL ANALYSIS
SEPTEMBER 2020**

The proposed facility qualifies for displacement as described in FCC PN DA 18-124 released February 9, 2018. WDCN-LP is a licensed LPTV DTV facility as authorized in file number BLTVL-20070410ACR. FCC TVStudy software was utilized to determine the interference levels associated with the WDCN-LP licensed facility and they are pasted in below:

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**IX check failure to BLANK00000001038 LIC scenario 1, 28.32% interference caused
**IX check failure to BLANK00000001038 LIC scenario 2, 28.39% interference caused
**IX check failure to BLANK00000001038 LIC scenario 3, 28.23% interference caused
**IX check failure to BLANK00000001038 LIC scenario 4, 28.30% interference caused
BLANK00000001038 IS WMDE CH 5 DOVER, DE
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WDCN-LD CH 43, BDCCDTL-20101119ADD, is a displacement CP held by WDCN but that CP is displaced as out of core at this time.

The WDCN-LP facility is believed displaced as it is associated with caused interference in excess of 0.5% to full service station WMDE as licensed.

The applicant proposes herein to move to FCC Tower registration ASR 1017638. The site change and proposed facilities are believed to comply with FCC policy and rule section 74.787 (a)(iv) based on the following:

The proposed site is 7.9 kilometers from the city reference coordinates for Fairfax, Virginia.

The WDCN-LP CH 6 licensed 62 dBu F(50,50) contour envelops the proposed site and the licensed site is located 8 km from the proposed tower site.

The proposed antenna system consists of a PSI model PSIHV5CLOG-8 Custom, VHF antenna, circularly polarized, without beam tilt. The radiation center is 170 meters above ground. Utilizing formula 10 of OET Bulletin No. 65, Edition 97-01, a value F of 1.0 has been used to calculate the power density 2 meters above ground. The maximum power density is 7.1 uw/cm squared calculated for an ERP OF 3,000 watts H. polarization and 3,000 watts V. polarization. This value is 3.6% of the Public Exposure MPE per section 1.1310. Based on this analysis it is believed that the proposed facility is in compliance with OET-65 Guidelines.

The applicant will reduce power or cease transmission as required to meet FCC OET-65 Guidelines.

The proposed tower is existing along with access road and power.

Below is a copy of the TVStudy interference analysis for CH 8 based on the facilities described above with the antenna orientation main lobes of 110 degrees true. As can be seen at the conclusion of the report there is no ISIX caused interference above 0.5 to full service stations or 2% caused to LPTV stations. It is believed that the proposed facility provides full protection to all other television facilities.

REPORT

Study created: 2020.08.30 13:46:57

Study build station data: LMS TV 2020-08-29

Proposal: WDCN-LP D8 LD LIC FAIRFAX, VA
File number: BLTVL20070410ACR
Facility ID: 20450
Station data: User record
Record ID: 480
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	15.0 km
No	W07DP-D	D7	LD	LIC	HARRISBURG, PA	BLDVL20100929AFP	160.1
No	WSET-TV	D7	DT	CP	LYNCHBURG, VA	BLANK00000106070	273.0
No	WTPC-TV	D7	DT	LIC	VIRGINIA BEACH, VA	BLANK00000021983	238.1
No	WRAV-LP	N8-	TX	LIC	OCEAN CITY, MD	BLTVL19941207JD	186.1
No	WNCN	D8	DT	LIC	GOLDSBORO, NC	BLANK00000107217	373.9
No	WAUG-LD	D8	LD	LIC	RALEIGH, NC	BLDVL20141125AVT	364.2
No	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK00000040678	302.8
No	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK00000117137	369.9
No	WJW	D8	DT	LIC	CLEVELAND, OH	BLCDT20090612AJC	471.4
Yes	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK00000001637	220.0
Yes	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	139.0
Yes	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	139.0
Yes	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK00000074852	125.9
No	WSWP-TV	D8	DT	CP	GRANDVIEW, WV	BLANK00000034625	345.6
Yes	W08EE-D	D8	LD	LIC	MARTINSBURG, WV	BLDTV20081014AEN	97.3
No	WVMY-LD	D8	LD	CP	PARKERSBURG, WV	BPDVL20140627ABH	368.4
No	WVMY-LD	D8	LD	LIC	PARKERSBURG, WV	BLDVL20140527AIA	368.4
No	WWVW-LD	D8	LD	LIC	WHEELING, WV	BLDVL20121102ADW	330.3
No	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK00000033300	15.0
No	WBPH-TV	D9	DT	APP	BETHLEHEM, PA	BPCDT20110518ADP	241.9
No	WBPH-TV	D9	DD	APP	BETHLEHEM, PA	BLANK00000063055	241.9
No	WBPH-TV	D9	DT	LIC	BETHLEHEM, PA	BLANK00000064341	241.9
No	WBPH-TV	D9	DT	CP	BETHLEHEM, PA	BLANK00000067446	241.9
No	WBPH-TV	D9	DD	APP	BETHLEHEM, PA	BLANK00000067447	241.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D8
Mask: Full Service
Latitude: 38 52 28.20 N (NAD83)
Longitude: 77 13 23.60 W
Height AMSL: 280.0 m

HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: PSI PSIHV5CLOG-8 CUSTOM
Elev Pattn: Generic
Elec Tilt: 0.50

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.005 kW	180.3 m	15.6 km
45.0	0.003	199.7	14.1
90.0	1.32	213.1	51.2
135.0	0.832	209.8	47.7
180.0	0.001	206.6	11.4
225.0	0.131	168.9	31.5
270.0	3.00	162.3	53.7
315.0	1.85	176.2	51.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 190 m

Distance to Canadian border: 459.3 km

Distance to Mexican border: 2330.3 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 46.9 degrees Distance: 47.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 282.3 degrees Distance: 2395.4 km

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

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

----- Below is IX received by proposal BLTVL20070410ACR -----

**MX with BPCDT20110516ACI APP scenario 1, 16.67% interference received
Proposal receives 16.65% interference from scenario 2

ISIX

tvstudy v2.2.5 (4uoc83)
Database: 127.0.0.1, Study: BLTVL20070410ACR #600, Model: Longley-Rice
Start: 2020.08.30 13:46:58

Study created: 2020.08.30 13:46:57

Study build station data: LMS TV 2020-08-29

Proposal: WDCN-LP D8 LD LIC FAIRFAX, VA
File number: BLTVL20070410ACR
Facility ID: 20450
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No	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	15.0 km
No	W07DP-D	D7	LD	LIC	HARRISBURG, PA	BLDVL20100929AFP	160.1
No	WSET-TV	D7	DT	CP	LYNCHBURG, VA	BLANK0000106070	273.0
No	WTPC-TV	D7	DT	LIC	VIRGINIA BEACH, VA	BLANK0000021983	238.1
No	WRAV-LP	N8-	TX	LIC	OCEAN CITY, MD	BLTVL19941207JD	186.1
No	WNCN	D8	DT	LIC	GOLDSBORO, NC	BLANK0000107217	373.9
No	WAUG-LD	D8	LD	LIC	RALEIGH, NC	BLDVL20141125AVT	364.2
No	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	302.8
No	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	369.9
No	WJW	D8	DT	LIC	CLEVELAND, OH	BLCDT20090612AJC	471.4
Yes	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	220.0
Yes	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	139.0
Yes	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	139.0
Yes	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	125.9
No	WSWP-TV	D8	DT	CP	GRANDVIEW, WV	BLANK0000034625	345.6
Yes	W08EE-D	D8	LD	LIC	MARTINSBURG, WV	BLDTV20081014AEN	97.3

No	WVMY-LD	D8	LD	CP	PARKERSBURG, WV	BPDVL20140627ABH	368.4
No	WVMY-LD	D8	LD	LIC	PARKERSBURG, WV	BLDVL20140527AIA	368.4
No	WWVW-LD	D8	LD	LIC	WHEELING, WV	BLDVL20121102ADW	330.3
No	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	15.0
No	WBPH-TV	D9	DT	APP	BETHLEHEM, PA	BPCDT20110518ADP	241.9
No	WBPH-TV	D9	DD	APP	BETHLEHEM, PA	BLANK0000063055	241.9
No	WBPH-TV	D9	DT	LIC	BETHLEHEM, PA	BLANK0000064341	241.9
No	WBPH-TV	D9	DT	CP	BETHLEHEM, PA	BLANK0000067446	241.9
No	WBPH-TV	D9	DD	APP	BETHLEHEM, PA	BLANK0000067447	241.9

No non-directional AM stations found within 0.8 km

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 Peak ERP: 3.00 kW
 Antenna: PSI PSIHV5CLOG-8 CUSTOM
 Elev Pattn: Generic
 Elec Tilt: 0.50

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
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45.0	0.003	199.7	14.1
90.0	1.32	213.1	51.2
135.0	0.832	209.8	47.7
180.0	0.001	206.6	11.4
225.0	0.131	168.9	31.5
270.0	3.00	162.3	53.7
315.0	1.85	176.2	51.6

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Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 282.3 degrees Distance: 2395.4 km

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

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

 Interference to BLANK0000001637 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	220.0 km
	WTRF-TV	D7	DT	LIC	WHEELING, WV	BLCDDT20090227ABV	136.7
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	339.6
	WJW	D8	DT	LIC	CLEVELAND, OH	BLCDDT20090612AJC	252.7
	WGCT-CD	D8	DC	CP	COLUMBUS, OH	BLANK0000035677	312.5
	WGAL	D8	DT	APP	LANCASTER, PA	BPCDDT20110516ACI	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	316.8
	WSWP-TV	D8	DT	CP	GRANDVIEW, WV	BLANK0000034625	299.4
	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDDT20111206ACB	125.9

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	26022.7	2,809,859	23262.3	2,571,605	22723.7
				2,529,279	22722.7
					2,529,279
					0.00
					0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	7.0	23	1.0
WTRF-TV D7 DT LIC	10.0	96	2.0
WBNG-TV D8 DT LIC	11.9	139	3.0
WJW D8 DT LIC	104.0	15,489	52.0
WGAL D8 DT APP	350.7	19,745	295.9
WUPV D8 DT LIC	5.0	265	0.0
WSWP-TV D8 DT CP	58.8	2,130	31.9
WTOV-TV D9 DT LIC	94.9	17,054	71.9

Interference to BLANK0000001637 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	220.0 km
	WTRF-TV	D7	DT	LIC	WHEELING, WV	BLCDDT20090227ABV	136.7
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	339.6
	WJW	D8	DT	LIC	CLEVELAND, OH	BLCDDT20090612AJC	252.7
	WGCT-CD	D8	DC	CP	COLUMBUS, OH	BLANK0000035677	312.5
	WGAL	D8	DT	APP	LANCASTER, PA	BPCDDT20110516ACI	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	316.8
	WSWP-TV	D8	DT	BL	GRANDVIEW, WV	DTVBL71680	299.4
	WTOV-TV	D9	DT	LIC	STEBENVILLE, OH	BLCDDT20111206ACB	125.9
	Service area				Terrain-limited	IX-free, before	IX-free, after
	26022.7	2,809,859	23262.3	2,571,605	22739.6	2,528,398	22738.6 2,528,398
							Percent New IX
							0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	7.0	23	1.0 0
WTRF-TV D7 DT LIC	10.0	96	2.0 27
WBNG-TV D8 DT LIC	11.9	139	3.0 40
WJW D8 DT LIC	104.0	15,489	52.0 8,305
WGAL D8 DT APP	350.7	19,745	305.8 14,064
WUPV D8 DT LIC	5.0	265	1.0 0
WSWP-TV D8 DT BL	29.0	2,478	16.0 1,724
WTOV-TV D9 DT LIC	94.9	17,054	72.9 11,500

Interference to BLANK0000001637 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	220.0 km
	WTRF-TV	D7	DT	LIC	WHEELING, WV	BLCDDT20090227ABV	136.7
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	339.6
	WJW	D8	DT	LIC	CLEVELAND, OH	BLCDDT20090612AJC	252.7
	WGCT-CD	D8	DC	CP	COLUMBUS, OH	BLANK0000035677	312.5
	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDDT20110323ABF	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	316.8
	WSWP-TV	D8	DT	CP	GRANDVIEW, WV	BLANK0000034625	299.4

WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	125.9
Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
26022.7	2,809,859	23262.3	2,571,605	22825.7	2,537,993	22823.7 2,537,993 0.01 0.00
Undesired	Total IX		Unique IX, before		Unique IX, after	
WDCN-LP D8 LD LIC	7.0	23			2.0	0
WTRF-TV D7 DT LIC	10.0	96	2.0	27	2.0	27
WBNG-TV D8 DT LIC	11.9	139	3.0	40	3.0	40
WJW D8 DT LIC	104.0	15,489	55.0	8,752	55.0	8,752
WGAL D8 DT LIC	235.8	10,336	193.9	4,963	190.9	4,963
WUPV D8 DT LIC	5.0	265	1.0	0	1.0	0
WSWP-TV D8 DT CP	58.8	2,130	40.8	1,215	40.8	1,215
WTOV-TV D9 DT LIC	94.9	17,054	71.9	11,500	71.9	11,500

Interference to BLANK0000001637 LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	
Undesireds: WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	220.0 km
WTRF-TV	D7	DT	LIC	WHEELING, WV	BLCDT20090227ABV	136.7
WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	339.6
WJW	D8	DT	LIC	CLEVELAND, OH	BLCDT20090612AJC	252.7
WGCT-CD	D8	DC	CP	COLUMBUS, OH	BLANK0000035677	312.5
WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	215.9
WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	316.8
WSWP-TV	D8	DT	BL	GRANDVIEW, WV	DTVBL71680	299.4
WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	125.9

Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
26022.7	2,809,859	23262.3	2,571,605	22846.5	2,537,452	22844.5 2,537,452 0.01 0.00
Undesired	Total IX		Unique IX, before		Unique IX, after	
WDCN-LP D8 LD LIC	7.0	23			2.0	0
WTRF-TV D7 DT LIC	10.0	96	2.0	27	2.0	27
WBNG-TV D8 DT LIC	11.9	139	3.0	40	3.0	40
WJW D8 DT LIC	104.0	15,489	55.0	8,628	55.0	8,628
WGAL D8 DT LIC	235.8	10,336	198.8	5,010	194.9	4,987
WUPV D8 DT LIC	5.0	265	2.0	0	1.0	0
WSWP-TV D8 DT BL	29.0	2,478	20.0	1,756	20.0	1,756
WTOV-TV D9 DT LIC	94.9	17,054	72.9	11,500	72.9	11,500

Interference to BPCDT20110516ACI APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DT	APP	BETHLEHEM, PA	BPCDT20110518ADP	116.0
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
42931.1	9,039,637	37580.7	7,690,098	34814.6	6,515,948	34598.1 6,488,522	0.62 0.42
Undesired			Total IX		Unique IX, before		Unique IX, after
WDCN-LP D8 LD LIC	589.2		279,064		216.5 27,426		
WJLA-TV D7 DT LIC	558.3		353,480		0.0 0		
WNJB D8 DT LIC	1484.1		683,496		548.8 239,578		
WXXA-TV D8 DT LIC	5.0		219		0.0 0		
WBNG-TV D8 DT LIC	472.9		167,241		189.2 14,166		
WWCP-TV D8 DT LIC	29.0		493		21.0 392		
WUPV D8 DT LIC	135.2		101,002		27.9 7,361		
WUSA D9 DT LIC	634.7		387,116		74.4 32,847		
WBPH-TV D9 DT APP	1222.7		493,584		393.2 97,283		

Interference to BPCDT20110516ACI APP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DD	APP	BETHLEHEM, PA	BLANK0000063055	116.0

Service area	Terrain-limited	IX-free, before		IX-free, after		Percent New IX	
42931.1 9,039,637	37580.7 7,690,098	34871.5	6,524,883	34655.0	6,497,457	0.62	0.42

Undesired		Total IX	Unique IX, before		Unique IX, after	
WDCN-LP D8 LD LIC	589.2	279,064			216.5	27,426
WJLA-TV D7 DT LIC	558.3	353,480	0.0	0	0.0	0
WNJB D8 DT LIC	1484.1	683,496	614.9	264,737	606.9	263,987
WXXA-TV D8 DT LIC	5.0	219	0.0	0	0.0	0
WBNG-TV D8 DT LIC	472.9	167,241	193.1	13,836	193.1	13,836
WWCP-TV D8 DT LIC	29.0	493	21.0	392	20.0	181
WUPV D8 DT LIC	135.2	101,002	27.9	7,361	7.0	6,118
WUSA D9 DT LIC	634.7	387,116	74.4	32,847	57.6	28,984
WBPH-TV D9 DD APP	1088.8	462,918	336.3	88,348	336.3	88,348

Interference to BPCDT20110516ACI APP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DT	LIC	BETHLEHEM, PA	BLANK0000064341	116.0

Service area	Terrain-limited	IX-free, before		IX-free, after		Percent New IX	
42931.1 9,039,637	37580.7 7,690,098	34867.4	6,527,528	34651.0	6,500,102	0.62	0.42

Undesired		Total IX	Unique IX, before		Unique IX, after	
WDCN-LP D8 LD LIC	589.2	279,064			216.5	27,426
WJLA-TV D7 DT LIC	558.3	353,480	0.0	0	0.0	0
WNJB D8 DT LIC	1484.1	683,496	591.8	255,741	583.8	254,991
WXXA-TV D8 DT LIC	5.0	219	0.0	0	0.0	0
WBNG-TV D8 DT LIC	472.9	167,241	191.1	14,198	191.1	14,198
WWCP-TV D8 DT LIC	29.0	493	21.0	392	20.0	181
WUPV D8 DT LIC	135.2	101,002	27.9	7,361	7.0	6,118
WUSA D9 DT LIC	634.7	387,116	74.4	32,847	57.6	28,984
WBPH-TV D9 DT LIC	1115.8	461,219	340.4	85,703	340.4	85,703

Interference to BPCDT20110516ACI APP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DT	CP	BETHLEHEM, PA	BLANK0000067446	116.0
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
42931.1	9,039,637	37580.7	7,690,098	34872.4	6,528,569	34655.9 6,501,143	0.62 0.42
Undesired			Total IX		Unique IX, before		Unique IX, after
WDCN-LP D8 LD LIC	589.2		279,064		216.5 27,426		
WJLA-TV D7 DT LIC	558.3		353,480		0.0 0		
WNJB D8 DT LIC	1484.1		683,496		604.8 265,796		
WXXA-TV D8 DT LIC	5.0		219		0.0 0		
WBNG-TV D8 DT LIC	472.9		167,241		191.1 14,198		
WWCP-TV D8 DT LIC	29.0		493		21.0 392		
WUPV D8 DT LIC	135.2		101,002		27.9 7,361		
WUSA D9 DT LIC	634.7		387,116		74.4 32,847		
WBPH-TV D9 DT CP	1095.8		449,414		335.4 84,662		

Interference to BPCDT20110516ACI APP scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DD	APP	BETHLEHEM, PA	BLANK0000067447	116.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42931.1 9,039,637	37580.7 7,690,098	34866.4 6,525,976	34650.0 6,498,550	0.62 0.42

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	589.2 279,064	216.5 27,426	
WJLA-TV D7 DT LIC	558.3 353,480	0.0 0	
WNJB D8 DT LIC	1484.1 683,496	586.8 247,087	578.8 246,337
WXXA-TV D8 DT LIC	5.0 219	0.0 0	0.0 0
WBNG-TV D8 DT LIC	472.9 167,241	191.1 14,198	191.1 14,198
WWCP-TV D8 DT LIC	29.0 493	21.0 392	20.0 181
WUPV D8 DT LIC	135.2 101,002	27.9 7,361	7.0 6,118
WUSA D9 DT LIC	634.7 387,116	74.4 32,847	57.6 28,984
WBPH-TV D9 DD APP	1124.8 477,617	341.4 87,255	341.4 87,255

Interference to BLCDT20110323ABF LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DT	APP	BETHLEHEM, PA	BPCDT20110518ADP	116.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
38872.6 7,777,338	34100.9 6,777,378	31833.8 6,050,022	31712.8 6,031,569	0.38 0.31

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	363.3 134,073	121.0 18,453	
WJLA-TV D7 DT LIC	413.1 188,849	0.0 0	
WNJB D8 DT LIC	1232.3 434,613	551.9 180,367	539.9 179,932
WXXA-TV D8 DT LIC	1.0 0	0.0 0	0.0 0
WBNG-TV D8 DT LIC	402.7 89,018	197.9 10,861	197.9 10,861
WWCP-TV D8 DT LIC	21.0 577	13.0 379	13.0 379
WUPV D8 DT LIC	126.2 70,206	22.9 9,342	12.0 7,534
WUSA D9 DT LIC	481.5 230,961	61.5 37,240	57.6 32,348
WBPH-TV D9 DT APP	905.0 256,930	329.3 52,925	329.3 52,925

Interference to BLCDT20110323ABF LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DD	APP	BETHLEHEM, PA	BLANK0000063055	116.0
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	38872.6	7,777,338	34100.9	6,777,378	31888.7	6,057,797	31767.7 6,039,344 0.38 0.30
Undesired			Total IX		Unique IX, before		Unique IX, after
WDCN-LP D8 LD LIC			363.3	134,073			121.0 18,453
WJLA-TV D7 DT LIC			413.1	188,849	0.0	0	0.0 0
WNJB D8 DT LIC			1232.3	434,613	584.0	196,106	572.0 195,671
WXXA-TV D8 DT LIC			1.0	0	0.0	0	0.0 0
WBNG-TV D8 DT LIC			402.7	89,018	197.9	10,270	197.9 10,270
WWCP-TV D8 DT LIC			21.0	577	13.0	379	13.0 379
WUPV D8 DT LIC			126.2	70,206	22.9	9,342	12.0 7,534
WUSA D9 DT LIC			481.5	230,961	61.5	37,240	57.6 32,348
WBPH-TV D9 DD APP			813.1	231,734	274.4	45,150	274.4 45,150

Interference to BLCDT20110323ABF LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DT	LIC	BETHLEHEM, PA	BLANK0000064341	116.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
38872.6	7,777,338	34100.9	6,777,378	31887.6	6,057,568	31766.6	6,039,115	0.38	0.30

Undesired		Total IX		Unique IX, before		Unique IX, after	
WDCN-LP D8 LD LIC	363.3	134,073				121.0	18,453
WJLA-TV D7 DT LIC	413.1	188,849	0.0	0		0.0	0
WNJB D8 DT LIC	1232.3	434,613	567.0	183,077		555.0	182,642
WXXA-TV D8 DT LIC	1.0	0	0.0	0		0.0	0
WBNG-TV D8 DT LIC	402.7	89,018	197.9	10,861		197.9	10,861
WWCP-TV D8 DT LIC	21.0	577	13.0	379		13.0	379
WUPV D8 DT LIC	126.2	70,206	22.9	9,342		12.0	7,534
WUSA D9 DT LIC	481.5	230,961	61.5	37,240		57.6	32,348
WBPH-TV D9 DT LIC	833.2	244,320	275.4	45,379		275.4	45,379

Interference to BLCDT20110323ABF LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DT	CP	BETHLEHEM, PA	BLANK0000067446	116.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
38872.6	7,777,338	34100.9	6,777,378	31891.6	6,060,186	31770.6	6,041,733	0.38	0.30

Undesired		Total IX		Unique IX, before		Unique IX, after	
WDCN-LP D8 LD LIC	363.3	134,073				121.0	18,453
WJLA-TV D7 DT LIC	413.1	188,849	0.0	0		0.0	0
WNJB D8 DT LIC	1232.3	434,613	574.0	188,611		562.0	188,176
WXXA-TV D8 DT LIC	1.0	0	0.0	0		0.0	0
WBNG-TV D8 DT LIC	402.7	89,018	198.9	11,044		198.9	11,044
WWCP-TV D8 DT LIC	21.0	577	13.0	379		13.0	379
WUPV D8 DT LIC	126.2	70,206	22.9	9,342		12.0	7,534
WUSA D9 DT LIC	481.5	230,961	61.5	37,240		57.6	32,348
WBPH-TV D9 DT CP	820.2	235,784	271.4	42,761		271.4	42,761

Interference to BLCDT20110323ABF LIC scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	139.0 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	126.8
	WNJB	D8	DT	LIC	NEW BRUNSWICK, NJ	BLANK0000040678	190.7
	WXXA-TV	D8	DT	LIC	ALBANY, NY	BLANK0000117263	361.0
	WBNG-TV	D8	DT	LIC	BINGHAMTON, NY	BLANK0000117137	231.8
	WWCP-TV	D8	DT	LIC	JOHNSTOWN, PA	BLANK0000001637	215.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	260.6
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	126.8
	WBPH-TV	D9	DD	APP	BETHLEHEM, PA	BLANK0000067447	116.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
38872.6 7,777,338	34100.9 6,777,378	31887.6 6,056,906	31766.6 6,038,453	0.38 0.30

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	363.3 134,073		121.0 18,453
WJLA-TV D7 DT LIC	413.1 188,849	0.0 0	0.0 0
WNJB D8 DT LIC	1232.3 434,613	561.9 171,549	549.9 171,114
WXXA-TV D8 DT LIC	1.0 0	0.0 0	0.0 0
WBNG-TV D8 DT LIC	402.7 89,018	197.9 10,861	197.9 10,861
WWCP-TV D8 DT LIC	21.0 577	13.0 379	13.0 379
WUPV D8 DT LIC	126.2 70,206	22.9 9,342	12.0 7,534
WUSA D9 DT LIC	481.5 230,961	61.5 37,240	57.6 32,348
WBPH-TV D9 DD APP	842.2 260,315	275.4 46,041	275.4 46,041

Interference to BLANK0000074852 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	125.9 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDT20110706ABC	135.1
	WTPC-TV	D7	DT	LIC	VIRGINIA BEACH, VA	BLANK0000021983	123.2
	WNCN	D8	DT	LIC	GOLDSBORO, NC	BLANK0000107217	256.3
	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	260.6
	WSWP-TV	D8	DT	CP	GRANDVIEW, WV	BLANK0000034625	328.4
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	135.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26312.9 1,926,988	25764.4 1,904,524	23967.0 1,789,629	23905.7 1,787,627	0.26 0.11

Undesired		Total IX	Unique IX, before		Unique IX, after	
WDCN-LP D8 LD LIC	239.1	9,522			61.3	2,002
WJLA-TV D7 DT LIC	13.0	248	0.0	0	0.0	0
WTPC-TV D7 DT LIC	461.3	74,321	383.4	63,904	383.4	63,904
WNCN D8 DT LIC	634.3	19,753	501.9	8,031	501.9	8,031
WGAL D8 DT APP	810.0	31,111	739.5	28,846	576.8	22,243
WSWP-TV D8 DT CP	27.3	946	3.0	0	3.0	0
WUSA D9 DT LIC	37.1	2,392	4.0	933	3.0	933

Interference to BLANK0000074852 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	125.9 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDDT20110706ABC	135.1
	WTPC-TV	D7	DT	LIC	VIRGINIA BEACH, VA	BLANK0000021983	123.2
	WNCN	D8	DT	LIC	GOLDSBORO, NC	BLANK0000107217	256.3
	WGAL	D8	DT	APP	LANCASTER, PA	BPCDDT20110516ACI	260.6
	WSWP-TV	D8	DT	BL	GRANDVIEW, WV	DTVBL71680	328.4
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	135.1
Service area		Terrain-limited		IX-free, before		IX-free, after	
26312.9	1,926,988	25764.4	1,904,524	23969.0	1,789,629	23907.7	1,787,627
						Percent New IX	0.26 0.11

Undesired		Total IX	Unique IX, before		Unique IX, after	
WDCN-LP D8 LD LIC	239.1	9,522			61.3	2,002
WJLA-TV D7 DT LIC	13.0	248	0.0	0	0.0	0
WTPC-TV D7 DT LIC	461.3	74,321	383.4	63,904	383.4	63,904
WNCN D8 DT LIC	634.3	19,753	515.0	8,434	515.0	8,434
WGAL D8 DT APP	810.0	31,111	739.5	28,846	576.8	22,243
WSWP-TV D8 DT BL	4.0	96	1.0	0	1.0	0
WUSA D9 DT LIC	37.1	2,392	4.0	933	3.0	933

Interference to BLANK0000074852 LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	125.9 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDDT20110706ABC	135.1
	WTPC-TV	D7	DT	LIC	VIRGINIA BEACH, VA	BLANK0000021983	123.2

WNCN	D8	DT	LIC	GOLDSBORO, NC	BLANK0000107217	256.3
WGAL	D8	DT	LIC	LANCASTER, PA	BLCDDT20110323ABF	260.6
WSWP-TV	D8	DT	CP	GRANDVIEW, WV	BLANK0000034625	328.4
WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	135.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26312.9 1,926,988	25764.4 1,904,524	24315.3 1,804,951	24223.9 1,801,684	0.38 0.18

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	239.1 9,522	91.4 3,267	
WJLA-TV D7 DT LIC	13.0 248	0.0 0	
WTPC-TV D7 DT LIC	461.3 74,321	383.4 63,904	
WNCN D8 DT LIC	634.3 19,753	506.9 8,049	
WGAL D8 DT LIC	453.6 15,380	391.2 13,524	
WSWP-TV D8 DT CP	27.3 946	3.0 0	
WUSA D9 DT LIC	37.1 2,392	6.0 1,324	

Interference to BLANK0000074852 LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	125.9 km
	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDDT20110706ABC	135.1
	WTPC-TV	D7	DT	LIC	VIRGINIA BEACH, VA	BLANK0000021983	123.2
	WNCN	D8	DT	LIC	GOLDSBORO, NC	BLANK0000107217	256.3
	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDDT20110323ABF	260.6
	WSWP-TV	D8	DT	BL	GRANDVIEW, WV	DTVBL71680	328.4
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	135.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
26312.9 1,926,988	25764.4 1,904,524	24317.4 1,804,951	24225.9 1,801,684	0.38 0.18

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	239.1 9,522	91.4 3,267	
WJLA-TV D7 DT LIC	13.0 248	0.0 0	
WTPC-TV D7 DT LIC	461.3 74,321	383.4 63,904	
WNCN D8 DT LIC	634.3 19,753	521.1 8,452	
WGAL D8 DT LIC	453.6 15,380	391.2 13,524	
WSWP-TV D8 DT BL	4.0 96	1.0 0	
WUSA D9 DT LIC	37.1 2,392	6.0 1,324	

Interference to BLDTV20081014AEN LIC scenario 1

Desired:	Call W08EE-D	Chan D8	Svc LD	Status LIC	City, State MARTINSBURG, WV	File Number BLDTV20081014AEN	Distance
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	97.3 km
	WGAL	D8	DT	APP	LANCASTER, PA	BPCDT20110516ACI	138.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	203.4
	WVMY-LD	D8	LD	CP	PARKERSBURG, WV	BPDVL20140627ABH	290.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3460.8 352,264	2917.5 318,157	2870.7 315,366	2842.9 314,937	0.97 0.14

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	56.6 2,506		27.8 429
WGAL D8 DT APP	45.8 2,771	43.8 2,771	17.0 694
WUPV D8 DT LIC	3.0 20	1.0 20	1.0 20

Interference to BLDTV20081014AEN LIC scenario 2

Desired:	Call W08EE-D	Chan D8	Svc LD	Status LIC	City, State MARTINSBURG, WV	File Number BLDTV20081014AEN	Distance
Undesireds:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	97.3 km
	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDT20110323ABF	138.9
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	203.4
	WVMY-LD	D8	LD	CP	PARKERSBURG, WV	BPDVL20140627ABH	290.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3460.8 352,264	2917.5 318,157	2879.6 315,526	2848.9 315,097	1.07 0.14

Undesired	Total IX	Unique IX, before	Unique IX, after
WDCN-LP D8 LD LIC	56.6 2,506		30.7 429
WGAL D8 DT LIC	36.8 2,611	34.8 2,611	11.0 534
WUPV D8 DT LIC	3.0 20	1.0 20	1.0 20

Interference to proposal scenario 1

**MX: 16.67% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	
Undesireds:	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDDT20110706ABC	15.0 km
	WGAL	D8	DT	APP	LANCASTER, PA	BPCDDT20110516ACI	139.0
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	125.9
	W08EE-D	D8	LD	LIC	MARTINSBURG, WV	BLDDTV20081014AEN	97.3
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	15.0

Service area	Terrain-limited	IX-free	Percent IX
4640.8 3,212,674	4467.4 3,207,103	3978.8 2,672,569	10.94 16.67

Undesired	Total IX	Unique IX	Prcnt Unique IX
WJLA-TV D7 DT LIC	292.2 423,910	0.0 0	0.00 0.00
WGAL D8 DT APP	80.8 9,918	35.9 1,415	0.80 0.04
WUPV D8 DT LIC	16.0 995	10.0 494	0.22 0.02
W08EE-D D8 LD LIC	23.9 2,650	7.9 852	0.18 0.03
WUSA D9 DT LIC	414.9 529,697	115.7 105,717	2.59 3.30

Interference to proposal scenario 2

16.65% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDCN-LP	D8	LD	LIC	FAIRFAX, VA	BLTVL20070410ACR	
Undesireds:	WJLA-TV	D7	DT	LIC	WASHINGTON, DC	BLCDDT20110706ABC	15.0 km
	WGAL	D8	DT	LIC	LANCASTER, PA	BLCDDT20110323ABF	139.0
	WUPV	D8	DT	LIC	ASHLAND, VA	BLANK0000074852	125.9
	W08EE-D	D8	LD	LIC	MARTINSBURG, WV	BLDDTV20081014AEN	97.3
	WUSA	D9	DT	LIC	WASHINGTON, DC	BLANK0000033300	15.0

Service area	Terrain-limited	IX-free	Percent IX
4640.8 3,212,674	4467.4 3,207,103	3996.7 2,673,226	10.54 16.65

Undesired	Total IX	Unique IX	Prcnt Unique IX
WJLA-TV D7 DT LIC	292.2 423,910	0.0 0	0.00 0.00
WGAL D8 DT LIC	44.8 5,019	17.9 758	0.40 0.02
WUPV D8 DT LIC	16.0 995	12.0 724	0.27 0.02

W08EE-D D8 LD LIC	23.9	2,650	9.9	864	0.22	0.03
WUSA D9 DT LIC	414.9	529,697	119.7	105,734	2.68	3.30

The foregoing was prepared on behalf of Signal Above LLC by Clarence M. Beverage of *Communications Technologies, Inc.*, Marlton, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements she believes them to be true and correct.



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Marlton, New Jersey
September 5, 2020