

**BIA Financial Network  
Chantilly, VA**

Page 1  
Thursday, July 10, 2008

BIAfn/Dataworld LPTV/TV Translator Channel Study

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**Job Title: Sample TV Interference**

Channel(s): 9 Offset: o  
Coordinates: N 38° 57' 01.0" W 77° 04' 47.0"  
Effective radiated power: 316 kW  
Antenna 235 m (770.8 ft) above average terrain  
TV Zone: 1  
Safety Zone: 32.0 km (19.9 mi)  
TV translators excluded

**BIA Financial Network  
Chantilly, VA**

BIAfn/Dataworld LPTV/TV Translator Interference Study

**Title: Sample TV Interference**

Channel: 9 Offset: 0 (186-192 MHz) Analog  
Database: DW 7/9/2008 3:56:56 PM

ERP: 316 kW  
HAAT: 235.0 m  
Latitude: N 38° 57' 01.0"  
Longitude: W 77° 04' 47.0"  
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMS(m)	Longitude	-from	(km)	(km)
WGAL	CP	WGAL Hearst-Argyle Television, I	8	419.0	5.4	N 40° 02' 04.0"	18.0	126.7	145.6
Lancaster		PA	BPCDT-20080314ABN	I	557.0	W 76° 37' 08.0"	198.3	-18.9	SHORT
Digital channel									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WGAL Channel 8 36 dBuV/m F(50,90) Service contour = 95.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WGAL Channel 8 62 dBuV/m F(50,50) Interfering contour = 54.7 km				
WGAL	App	WGAL Hearst-Argyle Television, I	8	419.0	7.5	N 40° 02' 04.0"	18.0	126.7	148.5
Lancaster		PA	BMPCDT-20080616ABJ	I	556.9	W 76° 37' 08.0"	198.3	-21.7	SHORT
Digital channel									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WGAL Channel 8 36 dBuV/m F(50,90) Service contour = 98.5 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WGAL Channel 8 62 dBuV/m F(50,50) Interfering contour = 57.6 km				
WGAL	Lic	WGAL Hearst-Argyle Television, I	8 +	419.0	110	N 40° 02' 04.0"	18.0	126.7	172.7
Lancaster		PA	BLCT-19981009KE	I	557.0	W 76° 37' 08.0"	198.3	-45.9	SHORT
Proposed Channel 9 68 dBuV/m F(50,50) Interfering contour = 65.8 km					WGAL Channel 8 56 dBuV/m F(50,50) Service contour = 95.0 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WGAL Channel 8 62 dBuV/m F(50,50) Interfering contour = 81.8 km				
WGAL	Prm	WGAL Hearst-Argyle Television, I	8	393.0	13.4	N 40° 02' 04.0"	18.0	126.7	152.1
Lancaster		PA	DOC-06-150	I		W 76° 37' 08.0"	198.3	-25.3	SHORT
Digital channelDA: @ 0.0°									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WGAL Channel 8 36 dBuV/m F(50,90) Service contour = 101.5 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WGAL Channel 8 62 dBuV/m F(50,50) Interfering contour = 61.2 km				
WRIC-TV	Lic	Young Broadcasting of Richmond,	8 o	320.0	269	N 37° 30' 46.0"	196.1	166.0	173.1
Petersburg		VA	BMLCT-20021218ABE	I	387.0	W 77° 36' 06.0"	15.8	-7.14	SHORT
Proposed Channel 9 68 dBuV/m F(50,50) Interfering contour = 65.8 km					WRIC-TV Channel 8 56 dBuV/m F(50,50) Service contour = 95.4 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WRIC-TV Channel 8 62 dBuV/m F(50,50) Interfering contour = 82.2 km				
WUSA	CP	Detroit News, Inc.	9	235.0	12.6	N 38° 57' 01.0"	0.0	0.000	442.4
Washington		DC	BMPCDT-20080425ABL	I	309.0	W 77° 04' 47.0"	0.0	-442	SHORT
Digital channel									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WUSA Channel 9 36 dBuV/m F(50,90) Service contour = 91.0 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WUSA Channel 9 11 dBuV/m F(50,10) Interfering contour = 280.4 km				
WUSA	Prm	Detroit News, Inc.	9	254.0	17	N 38° 57' 01.0"	0.0	0.000	445.9
Washington		DC	DOC-06-150	II		W 77° 04' 47.0"	0.0	-446	SHORT
Digital channelDA: @ 0.0°									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WUSA Channel 9 36 dBuV/m F(50,90) Service contour = 94.5 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WUSA Channel 9 11 dBuV/m F(50,10) Interfering contour = 291.6 km				
WUSA	Lic	Detroit News, Inc.	9 o	235.0	316	N 38° 57' 01.0"	0.0	0.001	474.4
Washington		DC	BMLCT-19981223KE	I	308.0	W 77° 04' 47.0"	0.0	-474	SHORT
Proposed Channel 9 11 dBuV/m F(50,10) Interfering contour = 383.5 km					WUSA Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WUSA Channel 9 11 dBuV/m F(50,10) Interfering contour = 383.5 km				
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WUSA Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WUSA Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km				
WBPH-TV	Lic	Sonshine Family TV Corporation	9	284.0	3.2	N 40° 33' 52.0"	37.5	227.7	434.2
Bethlehem		PA	BLCDT-20060609AAH	I	430.0	W 75° 26' 24.0"	218.5	-206	SHORT
Digital channelDA: PSI PSIVLP4BPHC1-9 @ 0.0°									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WBPH-TV Channel 9 36 dBuV/m F(50,90) Service contour = 82.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WBPH-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 249.7 km				

BIAfn/Dataworld LPTV/TV Translator Interference Study

**Title: Sample TV Interference**

Channel: 9 Offset: 0 (186-192 MHz) Analog  
Database: DW 7/9/2008 3:56:56 PM

ERP: 316 kW  
HAAT: 235.0 m

Latitude: N 38° 57' 01.0"  
Longitude: W 77° 04' 47.0"  
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	Longitude	-from	(km)	(km)
WBPH-TV	App	Sonshine Family TV Corporation	9	284.0	30	N 40° 33' 52.0"	37.5	227.7	451.4
Bethlehem		PA	BPCDT-20080619ALA	I	430.0	W 75° 26' 24.0"	218.5	-224	SHORT
Digital channelDA: PSI PSIVLP6BPHEC-9 @ 0.0°									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WBPH-TV Channel 9 36 dBuV/m F(50,90) Service contour = 100.1 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WBPH-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 311.0 km				
WBPH-TV	DTV	Sonshine Family TV Corporation	9	284.0	3.2	N 40° 33' 52.0"	37.5	227.7	434.2
Bethlehem		PA	DOC-02-81	II	430.0	W 75° 26' 24.0"	218.5	-206	SHORT
Digital channelDA: XXX ODD/WBPH @ 0.0°									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WBPH-TV Channel 9 36 dBuV/m F(50,90) Service contour = 82.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WBPH-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 249.7 km				
WSKY-TV	Prm	Sky Television, LLC	9			N 36° 32' 54.0"	163.4	277.9	509.3
Manteo		NC	DOC-06-150			W 76° 11' 16.0"	343.9	-231	SHORT
Digital channel; Assumed ERP: 316 kW; HAAT: 610 m									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WSKY-TV Channel 9 36 dBuV/m F(50,90) Service contour = 150.7 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WSKY-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 418.4 km				
WSKY-TV	CP	Sky Television, LLC	9	306.0	35	N 36° 31' 15.0"	165.6	278.2	454.1
Manteo		NC	BPCDT-20080610AAH	II	310.0	W 76° 18' 16.0"	346.1	-176	SHORT
Digital channelDA: ERI ATW9V3-ETCX-9 @ 0.0°									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WSKY-TV Channel 9 36 dBuV/m F(50,90) Service contour = 102.7 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WSKY-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 318.0 km				
WSKY-TV	App	Sky Television, LLC	9	306.0	85	N 36° 31' 15.0"	165.6	278.2	462.0
Manteo		NC	BMPCDT-20080616AAG	II	309.9	W 76° 18' 16.0"	346.1	-184	SHORT
Digital channelDA: ERI ATW9V3-ETCX-9 @ 0.0°									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WSKY-TV Channel 9 36 dBuV/m F(50,90) Service contour = 110.6 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WSKY-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 346.8 km				
WWOR-TV	Lic	Fox Television Stations, Inc.	9 +	500.0	61.7	N 40° 42' 43.0"	52.2	327.3	357.8
Secaucus		NJ	BLCT-19810514KF	I	510.0	W 74° 00' 49.0"	234.2	-30.5	SHORT
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WWOR-TV Channel 9 56 dBuV/m F(50,50) Service contour = 96.0 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 246.7 km				
WWOR-TV	App	Fox Television Stations, Inc.	9	439.0	400	N 40° 44' 54.0"	51.9	331.6	504.7
Secaucus		NJ	BMPCDT-20080620AHC	I	452.5	W 73° 59' 10.0"	233.9	-173	SHORT
Digital channel									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WWOR-TV Channel 9 36 dBuV/m F(50,90) Service contour = 140.7 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 413.8 km				
WWOR-TV	App	Fox Television Stations, Inc.	9 +	407.0	121	N 40° 44' 54.0"	51.9	331.6	356.8
Secaucus		NJ	BPCT-20040225AAQ	I	420.0	W 73° 59' 10.0"	233.9	-25.2	SHORT
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WWOR-TV Channel 9 56 dBuV/m F(50,50) Service contour = 95.0 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 255.3 km				
WTOV-TV	Lic	WTOV, Inc.	9 +	282.0	316	N 40° 20' 33.0"	298.2	341.0	357.9
Steubenville		OH	BLCT-20030828AWA	I	599.0	W 80° 37' 14.0"	115.9	-16.9	SHORT
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WTOV-TV Channel 9 56 dBuV/m F(50,50) Service contour = 94.1 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WTOV-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 267.0 km				

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Channel: 9 Offset: o (186-192 MHz) Analog  
Database: DW 7/9/2008 3:56:56 PM

ERP: 316 kW  
HAAT: 235.0 m

Latitude: N 38° 57' 01.0"  
Longitude: W 77° 04' 47.0"  
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	Longitude	-from	(km)	(km)
WTOV-TV	App	WTOV, Inc.	9	282.0	26.2	N 40° 20' 33.0"	298.2	341.0	450.3
Steubenville		OH	BMPCDT-20080619ABG	I	599.0	W 80° 37' 14.0"	115.9	-109	SHORT
Digital channel									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WTOV-TV Channel 9 36 dBuV/m F(50,90) Service contour = 98.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WTOV-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 306.8 km				
WTOV-TV	CP	WTOV, Inc.	9	282.0	9	N 40° 20' 33.0"	298.2	341.0	442.0
Steubenville		OH	BPCDT-20080403AAG	I	599.0	W 80° 37' 14.0"	115.9	-101	SHORT
Digital channel									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WTOV-TV Channel 9 36 dBuV/m F(50,90) Service contour = 90.7 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WTOV-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 276.8 km				
WTOV-TV	Prm	WTOV, Inc.	9	261.0	8.82	N 40° 20' 33.0"	298.2	341.0	441.1
Steubenville		OH	DOC-06-150	I		W 80° 37' 14.0"	115.9	-100	SHORT
Digital channelDA: @ 0.0°									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WTOV-TV Channel 9 36 dBuV/m F(50,90) Service contour = 89.7 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WTOV-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 273.5 km				
WSWP-TV	Lic	West Virginia Educational Broadc	*9 -	305.0	316	N 37° 53' 46.0"	252.2	360.9	360.6
Grandview		WV	BLET-19830831KF	I	1034.0	W 80° 59' 21.0"	69.8	0.285	CLOSE
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WSWP-TV Channel 9 56 dBuV/m F(50,50) Service contour = 95.7 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WSWP-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 269.7 km				
WHTM-TV	DTV	Harrisburg Television, Inc.	10	346.0	14	N 40° 18' 57.0"	4.1	152.0	137.2
Harrisburg		PA	DOC-01-208	II	505.0	W 76° 57' 02.0"	184.2	14.80	CLOSE
Digital channelDA: XXX ODDWHTM10 @ 0.0°									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WHTM-TV Channel 10 36 dBuV/m F(50,90) Service contour = 98.4 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WHTM-TV Channel 10 68 dBuV/m F(50,50) Interfering contour = 46.3 km				
WHTM-TV	Lic	Harrisburg Television, Inc.	10	311.0	16.2	N 40° 18' 57.0"	4.1	152.0	136.2
Harrisburg		PA	BLCDT-20040812AAH	I	469.0	W 76° 57' 02.0"	184.2	15.80	CLOSE
Digital channelDA: DIE THV-6A10-R S190 @ 280.0°									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WHTM-TV Channel 10 36 dBuV/m F(50,90) Service contour = 96.8 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WHTM-TV Channel 10 68 dBuV/m F(50,50) Interfering contour = 45.3 km				
WHTM-TV	App	Harrisburg Television, Inc.	10	346.0	19.7	N 40° 18' 58.0"	4.1	152.0	140.2
Harrisburg		PA	BPCDT-20080620AGL	I	505.2	W 76° 57' 01.0"	184.2	11.87	CLOSE
Digital channel									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WHTM-TV Channel 10 36 dBuV/m F(50,90) Service contour = 101.1 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WHTM-TV Channel 10 68 dBuV/m F(50,50) Interfering contour = 49.3 km				
WCAU	Lic	NBC Telemundo License Co.	10 o	392.0	137	N 40° 02' 30.0"	51.9	199.6	172.9
Philadelphia		PA	BLCT-20041119AEQ	I	456.0	W 75° 14' 11.0"	233.1	26.65	CLEAR
Proposed Channel 9 62 dBuV/m F(50,50) Interfering contour = 78.0 km					WCAU Channel 10 56 dBuV/m F(50,50) Service contour = 94.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WCAU Channel 10 68 dBuV/m F(50,50) Interfering contour = 69.5 km				

>> End of channel 9 study <<

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**Title: Sample TV Interference**

Channel: 9 Offset: 0 (186-192 MHz) Analog  
Database: FCC 7/9/2008 12:00:00 AM

ERP: 316 kW  
HAAT: 235.0 m

Latitude: N 38° 57' 01.0"  
Longitude: W 77° 04' 47.0"  
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	Longitude	-from	(km)	(km)
WMDO-LD	CP	ENTRAVISION HOLDINGS, LLC	8		0.198	N 38° 56' 24.0"	188.4	1.153	106.7
WASHINGTON		DC	BMPDVL-20070709ADO		213.9	W 77° 04' 54.0"	8.4	-106	SHORT

**Calculated HAAT: 146 m**

Proposed Channel 9 68 dBuV/m F(50,50) Interfering contour = 65.8 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

WMDO-LD Channel 8 56 dBuV/m F(50,50) Service contour = 22.4 km  
WMDO-LD Channel 8 62 dBuV/m F(50,50) Interfering contour = 15.9 km

W08EE-D	CP	WEST VIRGINIA EDUCATIONAL BROADC	8		0.3	N 39° 27' 36.0"	304.1	102.0	115.2
MARTINSBURG		WV	BDCCDTV-20061025ADZ		492.2	W 78° 03' 45.0"	123.5	-13.2	SHORT

DA: DIE THA-C2-2/4/1 @ 65.0°; Primary station: WNPB-TV MORGANTOWN, WV; **Calculated HAAT: 287 m**

Proposed Channel 9 68 dBuV/m F(50,50) Interfering contour = 65.8 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

W08EE-D Channel 8 56 dBuV/m F(50,50) Service contour = 33.6 km  
W08EE-D Channel 8 62 dBuV/m F(50,50) Interfering contour = 24.4 km

WAZT-LD	CP	JLA MEDIA AND PUBLICATIONS, LLC	8		0.3	N 38° 57' 50.0"	271.2	117.0	99.77
WOODSTOCK		VA	BDCCDVL-20061027AHH		377.9	W 78° 25' 46.0"	90.3	17.23	CLEAR

Primary station: WAZT-CA WOODSTOCK, VA; **Calculated HAAT: 39 m**

Proposed Channel 9 68 dBuV/m F(50,50) Interfering contour = 65.8 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

WAZT-LD Channel 8 56 dBuV/m F(50,50) Service contour = 12.5 km  
WAZT-LD Channel 8 62 dBuV/m F(50,50) Interfering contour = 8.9 km

WGAL	CP	WGAL HEARST-ARGYLE TELEVISION, I	8	419.0	5.4	N 40° 02' 04.0"	18.0	126.7	145.6
LANCASTER		PA	BPCDT-20080314ABN	I	556.9	W 76° 37' 08.0"	198.3	-18.9	SHORT

Digital channel

Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

WGAL Channel 8 36 dBuV/m F(50,90) Service contour = 95.9 km  
WGAL Channel 8 62 dBuV/m F(50,50) Interfering contour = 54.7 km

WGAL	LIC	WGAL HEARST-ARGYLE TELEVISION, I	8 +	419.0	110	N 40° 02' 04.0"	18.0	126.7	172.7
LANCASTER		PA	BLCT-19981009KE	I	557.0	W 76° 37' 08.0"	198.3	-45.9	SHORT

Proposed Channel 9 68 dBuV/m F(50,50) Interfering contour = 65.8 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

WGAL Channel 8 56 dBuV/m F(50,50) Service contour = 95.0 km  
WGAL Channel 8 62 dBuV/m F(50,50) Interfering contour = 81.8 km

WGAL	APP	WGAL HEARST-ARGYLE TELEVISION, I	8	419.0	7.5	N 40° 02' 04.0"	18.0	126.7	148.5
LANCASTER		PA	BMPCDT-20080616ABJ	I	556.9	W 76° 37' 08.0"	198.3	-21.7	SHORT

Digital channel

Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

WGAL Channel 8 36 dBuV/m F(50,90) Service contour = 98.5 km  
WGAL Channel 8 62 dBuV/m F(50,50) Interfering contour = 57.6 km

WRIC-TV	LIC	YOUNG BROADCASTING OF RICHMOND,	8 0	321.3	269	N 37° 30' 45.0"	196.1	166.0	173.2
PETERSBURG		VA	BMLCT-20021218ABE	I	387.0	W 77° 36' 05.0"	15.7	-7.21	SHORT

Proposed Channel 9 68 dBuV/m F(50,50) Interfering contour = 65.8 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

WRIC-TV Channel 8 56 dBuV/m F(50,50) Service contour = 95.5 km  
WRIC-TV Channel 8 62 dBuV/m F(50,50) Interfering contour = 82.3 km

WUSA	LIC	DETROIT FREE PRESS, INC.	9 0	235.0	316	N 38° 57' 01.0"	0.0	0.000	352.7
WASHINGTON		DC	BMLCT-19981223KE	II	308.0	W 77° 04' 47.0"	0.0	-353	SHORT

Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

WUSA Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km  
WUSA Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km

WUSA	CP	DETROIT FREE PRESS, INC.	9	235.0	12.6	N 38° 57' 01.0"	0.0	0.000	442.4
WASHINGTON		DC	BMPCDT-20080425ABL	I	308.9	W 77° 04' 47.0"	0.0	-442	SHORT

Digital channel

Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km  
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km

WUSA Channel 9 36 dBuV/m F(50,90) Service contour = 91.0 km  
WUSA Channel 9 11 dBuV/m F(50,10) Interfering contour = 280.4 km

BIAfn/Dataworld LPTV/TV Translator Interference Study

**Title: Sample TV Interference**

Channel: 9 Offset: 0 (186-192 MHz) Analog  
Database: FCC 7/9/2008 12:00:00 AM

ERP: 316 kW  
HAAT: 235.0 m

Latitude: N 38° 57' 01.0"  
Longitude: W 77° 04' 47.0"  
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMS(m)	Longitude	-from	(km)	(km)
W09CT-D	CP	WEST VIRGINIA EDUCATIONAL BROADCASTING, INC.	9	235.0	0.09	N 38° 51' 32.0"	266.6	150.0	415.4
MATHIAS, ETC.		WV	BDCDTV-20061025ADO		963.0	W 78° 48' 19.0"	85.6	-265	SHORT
DA: DIE THA-MC-2/4-1 @ 250.0°; Primary station: WNPB-TV MORGANTOWN, WV; <b>Calculated HAAT: 418 m</b> Proposed Channel 9 11 dBuV/m F(50,10) Interfering contour = 383.5 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km W09CT-D Channel 9 56 dBuV/m F(50,50) Service contour = 31.8 km W09CT-D Channel 9 11 dBuV/m F(50,10) Interfering contour = 176.0 km W09CT-D Channel 9 56 dBuV/m F(50,50) Service contour = 31.8 km W09CT-D Channel 9 28 dBuV/m F(50,10) Interfering contour = 105.5 km									
WBPH-DT	GRA	SONSHINE FAMILY TELEVISION, INC.	9	284.0	3.2	N 40° 33' 52.0"	37.5	227.7	434.2
BETHLEHEM		PA	BPRM-20011130AHC	II	430.0	W 75° 26' 24.0"	218.5	-206	SHORT
Digital channelDA: XXX ODD/WBPH @ 0.0° Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km WBPH-DT Channel 9 36 dBuV/m F(50,90) Service contour = 82.9 km WBPH-DT Channel 9 11 dBuV/m F(50,10) Interfering contour = 249.7 km									
WBPH-TV	LIC	SONSHINE FAMILY TELEVISION, INC.	9	284.0	3.2	N 40° 33' 52.0"	37.5	227.7	434.2
BETHLEHEM		PA	BLCDT-20060609AAH	I	430.0	W 75° 26' 24.0"	218.5	-206	SHORT
Digital channelDA: PSI PSIVLP4BPHC1-9 @ 0.0° Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km WBPH-TV Channel 9 36 dBuV/m F(50,90) Service contour = 82.9 km WBPH-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 249.7 km									
WBPH-TV	APP	SONSHINE FAMILY TELEVISION, INC.	9	284.0	30	N 40° 33' 52.0"	37.5	227.7	451.4
BETHLEHEM		PA	BPCDT-20080619ALA	I	430.0	W 75° 26' 24.0"	218.5	-224	SHORT
Digital channelDA: PSI PSIVLP6BPHEC-9 @ 0.0° Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km WBPH-TV Channel 9 36 dBuV/m F(50,90) Service contour = 100.1 km WBPH-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 311.0 km									
WBPH-TV	STA	SONSHINE FAMILY TELEVISION, INC.	9	225.0	3.2	N 40° 33' 52.0"	37.5	227.7	431.1
BETHLEHEM		PA	BDSTA-20041119AFU		371.4	W 75° 26' 24.0"	218.5	-203	SHORT
Digital channelDA: PSI PSIVLP4BPHC1-9 @ 0.0° Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km WBPH-TV Channel 9 36 dBuV/m F(50,90) Service contour = 79.7 km WBPH-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 242.3 km									
WSKY-TV	CP	SKY TELEVISION, L.L.C.	9	306.0	35	N 36° 31' 14.5"	165.6	278.2	454.1
MANTEO		NC	BPCDT-20080610AAH	II	309.9	W 76° 18' 16.2"	346.1	-176	SHORT
Digital channelDA: ERI ATW9V3-ETCX-9 @ 0.0° Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km WSKY-TV Channel 9 36 dBuV/m F(50,90) Service contour = 102.7 km WSKY-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 318.0 km									
WSKY-TV	APP	SKY TELEVISION, L.L.C.	9	306.0	85	N 36° 31' 14.5"	165.6	278.2	462.0
MANTEO		NC	BMPCDT-20080616AAG	II	309.9	W 76° 18' 16.2"	346.1	-184	SHORT
Digital channelDA: ERI ATW9V3-ETCX-9 @ 0.0° Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km WSKY-TV Channel 9 36 dBuV/m F(50,90) Service contour = 110.6 km WSKY-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 346.8 km									
WWOR-TV	APP	FOX TELEVISION STATIONS, INC.	9 +	223.0	44	N 40° 51' 53.0"	48.2	325.2	333.7
SECAUCUS		NJ	BXPCT-20050427ABV	I	286.0	W 74° 12' 03.0"	230.0	-8.48	SHORT
DA: DIE THB-C3SP-1H/3UD-1 @ 0.0° Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km WWOR-TV Channel 9 56 dBuV/m F(50,50) Service contour = 71.9 km WWOR-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 209.3 km									

BIAfn/Dataworld LPTV/TV Translator Interference Study

**Title: Sample TV Interference**

Channel: 9 Offset: 0 (186-192 MHz) Analog  
Database: FCC 7/9/2008 12:00:00 AM

ERP: 316 kW  
HAAT: 235.0 m

Latitude: N 38° 57' 01.0"  
Longitude: W 77° 04' 47.0"  
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req	
City of License		St	FCC File Number	Zone	HAMSL(m)	(kW)	Longitude	-from	(km)	(km)
WWOR-TV	LIC	FOX TELEVISION STATIONS, INC.	9 +	223.0	104.4	N 40° 51' 53.0"	48.2	325.2	341.4	
SECAUCUS		NJ	BXLCT-20061130ACL	I	286.0	W 74° 12' 03.0"	230.0	-16.2	SHORT	
DA: DIE THB-C3SP-1H/3UD-1 @ 0.0°										
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WWOR-TV Channel 9 56 dBuV/m F(50,50) Service contour = 79.6 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 232.0 km					
WWOR-TV	LIC	FOX TELEVISION STATIONS, INC.	9 +	500.0	61.7	N 40° 42' 43.0"	52.2	327.3	357.8	
SECAUCUS		NJ	BLCT-19810514KF	I	510.0	W 74° 00' 49.0"	234.2	-30.5	SHORT	
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WWOR-TV Channel 9 56 dBuV/m F(50,50) Service contour = 96.0 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 246.7 km					
WWOR-TV	APP	FOX TELEVISION STATIONS, INC.	9 +	360.0	180	N 40° 44' 54.0"	51.9	331.6	356.8	
SECAUCUS		NJ	BXPCT-20040301AAX	I	373.0	W 73° 59' 10.0"	233.9	-25.2	SHORT	
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WWOR-TV Channel 9 56 dBuV/m F(50,50) Service contour = 94.9 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 260.9 km					
WWOR-TV	APP	FOX TELEVISION STATIONS, INC.	9 +	407.0	121	N 40° 44' 54.0"	51.9	331.6	356.8	
SECAUCUS		NJ	BPCT-20040225AAQ	I	420.0	W 73° 59' 10.0"	233.9	-25.2	SHORT	
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WWOR-TV Channel 9 56 dBuV/m F(50,50) Service contour = 95.0 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 255.3 km					
WWOR-TV	CP	FOX TELEVISION STATIONS, INC.	9	397.0	170	N 40° 44' 54.0"	51.9	331.6	476.9	
SECAUCUS		NJ	BMPCDT-20040130AZR	I	410.5	W 73° 59' 10.0"	233.9	-145	SHORT	
Digital channel										
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WWOR-TV Channel 9 36 dBuV/m F(50,90) Service contour = 125.6 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 380.0 km					
WWOR-TV	APP	FOX TELEVISION STATIONS, INC.	9	439.0	400	N 40° 44' 54.0"	51.9	331.6	504.7	
SECAUCUS		NJ	BMPCDT-20080620AHC	I	452.5	W 73° 59' 10.0"	233.9	-173	SHORT	
Digital channel										
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WWOR-TV Channel 9 36 dBuV/m F(50,90) Service contour = 140.7 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 413.8 km					
WWOR-TV	APP	FOX TELEVISION STATIONS, INC.	9 +	360.0		N 40° 44' 54.0"	51.9	331.6	366.6	
SECAUCUS		NJ	BSTA-20070406ABE	I		W 73° 59' 10.0"	233.9	-35.0	SHORT	
<b>Assumed ERP: 316 kW</b>										
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WWOR-TV Channel 9 56 dBuV/m F(50,50) Service contour = 100.5 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WWOR-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 275.8 km					
WTOV-TV	LIC	WTOV, INC.	9 +	282.0	316	N 40° 20' 33.0"	298.2	341.0	357.9	
STEUBENVILLE		OH	BLCT-20030828AWA	I	599.0	W 80° 37' 14.0"	115.9	-16.9	SHORT	
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WTOV-TV Channel 9 56 dBuV/m F(50,50) Service contour = 94.1 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WTOV-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 267.0 km					
WTOV-TV	CP	WTOV, INC.	9	282.0	9	N 40° 20' 33.0"	298.2	341.0	442.0	
STEUBENVILLE		OH	BPCDT-20080403AAG	I	599.0	W 80° 37' 14.0"	115.9	-101	SHORT	
Digital channel										
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WTOV-TV Channel 9 36 dBuV/m F(50,90) Service contour = 90.7 km					
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WTOV-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 276.8 km					

BIAfn/Dataworld LPTV/TV Translator Interference Study

**Title: Sample TV Interference**

Channel: 9 Offset: 0 (186-192 MHz) Analog  
Database: FCC 7/9/2008 12:00:00 AM

ERP: 316 kW  
HAAT: 235.0 m

Latitude: N 38° 57' 01.0"  
Longitude: W 77° 04' 47.0"  
Safety Zone: 32.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req
City of License		St	FCC File Number	Zone	HAMSL(m)	Longitude	-from	(km)	(km)
WTOV-TV	APP	WTOV, INC.	9	282.0	26.2	N 40° 20' 33.0"	298.2	341.0	450.3
STEUBENVILLE		OH	BMPCDT-20080619ABG	I	599.0	W 80° 37' 14.0"	115.9	-109	SHORT
Digital channel									
Proposed Channel 9 15 dBuV/m F(50,10) Interfering contour = 351.4 km					WTOV-TV Channel 9 36 dBuV/m F(50,90) Service contour = 98.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WTOV-TV Channel 9 11 dBuV/m F(50,10) Interfering contour = 306.8 km				
W09CU-D	CP	VENTURE TECHNOLOGIES GROUP, LLC	9		0.3	N 41° 12' 30.3"	41.8	341.8	417.2
PORT JERVIS		NY	BMPDVL-20080211AEO		530.0	W 74° 21' 22.6"	223.6	-75.4	SHORT
DA: SCA HDCA-10-9 @ 320.0°; Calculated HAAT: 288 m									
Proposed Channel 9 11 dBuV/m F(50,10) Interfering contour = 383.5 km					W09CU-D Channel 9 56 dBuV/m F(50,50) Service contour = 33.6 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					W09CU-D Channel 9 11 dBuV/m F(50,10) Interfering contour = 191.6 km				
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					W09CU-D Channel 9 56 dBuV/m F(50,50) Service contour = 33.6 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					W09CU-D Channel 9 28 dBuV/m F(50,10) Interfering contour = 107.9 km				
WSWP-TV	LIC	WEST VIRGINIA EDUCATIONAL BROADC	9 -	305.0	316	N 37° 53' 46.0"	252.2	360.9	360.6
GRANDVIEW		WV	BLET-19830831KF	I	1034.0	W 80° 59' 21.0"	69.8	0.285	CLOSE
Proposed Channel 9 28 dBuV/m F(50,10) Interfering contour = 261.9 km					WSWP-TV Channel 9 56 dBuV/m F(50,50) Service contour = 95.7 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WSWP-TV Channel 9 28 dBuV/m F(50,10) Interfering contour = 269.7 km				
WAZT-CA	LIC	JLA MEDIA AND PUBLICATIONS, LLC	10 +		3	N 38° 57' 50.0"	271.2	117.0	102.0
WOODSTOCK		VA	BLTVA-20030718ADF		377.9	W 78° 25' 46.0"	90.3	14.96	CLOSE
Calculated HAAT: 39 m									
Proposed Channel 9 62 dBuV/m F(50,50) Interfering contour = 78.0 km					WAZT-CA Channel 10 56 dBuV/m F(50,50) Service contour = 22.6 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WAZT-CA Channel 10 68 dBuV/m F(50,50) Interfering contour = 11.2 km				
WHTM-DR	GRA	HARRISBURG TELEVISION, INC.	10	346.0	14	N 40° 18' 57.0"	4.1	152.0	137.2
HARRISBURG		PA	BPRM-20010514ABX	I	505.0	W 76° 57' 02.0"	184.2	14.80	CLOSE
Digital channel DA: XXX ODDWHTM10 @ 0.0°									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WHTM-DR Channel 10 36 dBuV/m F(50,90) Service contour = 98.4 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WHTM-DR Channel 10 68 dBuV/m F(50,50) Interfering contour = 46.3 km				
WHTM-TV	LIC	HARRISBURG TELEVISION, INC.	10	311.1	16.2	N 40° 18' 58.0"	4.1	152.0	136.2
HARRISBURG		PA	BLCDT-20040812AAH	I	469.4	W 76° 57' 01.0"	184.2	15.82	CLOSE
Digital channel DA: DIE THV-6A10-R S190 @ 0.0°									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WHTM-TV Channel 10 36 dBuV/m F(50,90) Service contour = 96.8 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WHTM-TV Channel 10 68 dBuV/m F(50,50) Interfering contour = 45.4 km				
WHTM-TV	APP	HARRISBURG TELEVISION, INC.	10	346.0	19.7	N 40° 18' 58.0"	4.1	152.0	140.2
HARRISBURG		PA	BPCDT-20080620AGL	I	505.2	W 76° 57' 01.0"	184.2	11.87	CLOSE
Digital channel									
Proposed Channel 9 84 dBuV/m F(50,50) Interfering contour = 34.7 km					WHTM-TV Channel 10 36 dBuV/m F(50,90) Service contour = 101.1 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WHTM-TV Channel 10 68 dBuV/m F(50,50) Interfering contour = 49.3 km				
WCAU	LIC	NBC TELEMUNDO LICENSE CO.	10 0	392.0	137	N 40° 02' 30.0"	51.9	199.6	172.9
PHILADELPHIA		PA	BLCT-20041119AEO	I	456.2	W 75° 14' 11.0"	233.1	26.65	CLEAR
Proposed Channel 9 62 dBuV/m F(50,50) Interfering contour = 78.0 km					WCAU Channel 10 56 dBuV/m F(50,50) Service contour = 94.9 km				
Proposed Channel 9 56 dBuV/m F(50,50) Service contour = 90.9 km					WCAU Channel 10 68 dBuV/m F(50,50) Interfering contour = 69.5 km				

>> End of channel 9 study <<