

V-Soft Communications Population Report

WVPT-D (11) Staunton, VA - BLEDT20021220ADX
 Broadcast Type: Digital Service: T
 Lat: 38-09-54 N Lng: 079-18-51 W ERP: 3.2 kW AMSL: 1333.0 m
 TV Incoming Interference Study
 Interference Considered Within: Noise Limited FCC Contour
 Signal Resolution: 1.25 km
 LR Profile Spacing Increment: 0.1 km
 Consider NTSC Taboo: No
 KWX error points are considered to
 be interference free coverage.
 # of radials computed for protected contour: 72
 Protected contour calculated using 8 radial HAAT.
 Threshold for reception: 36.0
 Pop Centroid DB: 1990 US Census

Study Date: 8/8/2009
 TV Database Date: 8/5/2009

Primary Terrain: V-Soft 3 Second US Terrain

Population Database: 1990 US Census

Percentages calculated using a baseline population of 494,735.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WBAL-TV-D.C (11)	1949	4518	0.913	108.20
WTV-D.C (11)	8381	20910	4.227	737.08
WPCW-D.C (11)	8	20	0.004	31.31
WJHL-TV-D.C (11)	88	67	0.014	13.57

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WBAL-TV-D.C (11)	4518	0.913	3560	0.720
WTV-D.C (11)	20910	4.227	19952	4.033
WPCW-D.C (11)	20	0.004	20	0.004
WJHL-TV-D.C (11)	67	0.014	67	0.014

Stations considered which do not cause interference:

- WTVI-D.C (11)
- WAZT-CA (10+)
- WWBT-D.C (12)
- WVFX-D.C (10)
- WSWP-TV-D.C (10)
- WWPX-TV-D (12)
- WBOY-TV-D.C (12)

Call Letters	City	State	Dist	Bear
WBAL-TV-D.C (11)	Baltimore	MD	265.4	59.9
WTVI-D.C (11)	Charlotte	NC	342.3	201.5
WTVD-D.C (11)	Durham	NC	285.7	165.7
WPCW-D.C (11)	Jeannette	PA	265.6	347.0
WJHL-TV-D.C (11)	Johnson City	TN	315.6	233.3
WAZT-CA (10+)	Woodstock	VA	117.5	40.7
WWBT-D.C (12)	Richmond	VA	175.4	114.1
WVFX-D.C (10)	Clarksburg	WV	154.6	324.9
WSWP-TV-D.C (10)	Grandview	WV	150.1	259.0
WWPX-TV-D (12)	Martinsburg	WV	179.9	36.7
WBOY-TV-D.C (12)	Clarksburg	WV	152.5	324.9

Totals for WVPT-D (11)

Calculation Area Population:	652,677	(	27285.9 sq. km)
Not Affected by Terrain Loss:	494,735	(	21146.2 sq. km)
Total NTSC Interference:	0	(	0.0 sq. km)
DTV Only Interference:	24,557	(	845.0 sq. km)
Total DTV Interference:	24,557	(	845.0 sq. km)
Interfered Population:	24,557	(	845.0 sq. km)
Interference Free:	470,178	(	20301.3 sq. km)
Percent Interference:	4.96		
Terrain Blocked Population:	157,942	(	6139.7 sq. km)
Contour Area Population:	652,428		

Interference Free Breakdown:

White:	416,246	(	88.5%)
Black:	45,323	(	9.6%)
Hispanic:	3,759	(	0.8%)
Indian:	554	(	0.1%)
Asian:	4,111	(	0.9%)
Other:	185	(	0.0%)
Total:	470,178		

	Housing Units	Population	% of County
Virginia			
Albemarle County			
County Pop	25,958	68,040	
WVPT-D (11)	22,441	59,242	
WBAL-TV-D.C (11)	1,265	3,073	5.19

WTVD-D.C (11)	337	882	1.49
Ix Free	20,953	55,585	93.83
Alleghany County			
County Pop	5,481	13,176	
WVPT-D (11)	3,447	8,133	
Ix Free	3,447	8,133	100.00
Amherst County			
County Pop	10,598	28,578	
WVPT-D (11)	4,775	12,300	
WTVD-D.C (11)	2,608	6,566	53.38
Ix Free	2,167	5,734	46.62
Appomattox County			
County Pop	4,913	12,298	
WVPT-D (11)	3,249	8,153	
WTVD-D.C (11)	1,941	4,889	59.97
Ix Free	1,308	3,264	40.03
Augusta County			
County Pop	21,202	54,677	
WVPT-D (11)	21,202	54,677	
Ix Free	21,202	54,677	100.00
Bath County			
County Pop	2,596	4,799	
WVPT-D (11)	1,899	3,259	
Ix Free	1,899	3,259	100.00
Bedford County			
County Pop	19,641	45,656	
WVPT-D (11)	6,264	15,468	
WTVD-D.C (11)	848	2,204	14.25
Ix Free	5,416	13,264	85.75
Botetourt County			
County Pop	9,785	24,992	
WVPT-D (11)	4,368	11,113	
WTVD-D.C (11)	164	447	4.02
WJHL-TV-D.C (11)	74	45	0.40
Ix Free	4,130	10,621	95.57
Buckingham County			
County Pop	5,013	12,873	
WVPT-D (11)	3,465	8,993	
WBAL-TV-D.C (11)	93	227	2.52
WTVD-D.C (11)	925	2,047	22.76
Ix Free	2,540	6,946	77.24
Campbell County			
County Pop	19,008	47,572	
WVPT-D (11)	9,916	25,052	
WTVD-D.C (11)	739	1,965	7.84
Ix Free	9,177	23,087	92.16
Craig County			
County Pop	1,993	4,372	
WVPT-D (11)	115	247	
Ix Free	115	247	100.00
Fluvanna County			
County Pop	5,035	12,429	
WVPT-D (11)	4,080	10,213	

WBAL-TV-D.C (11)	192	376	3.68
WTVD-D.C (11)	405	887	8.69
Ix Free	3,675	9,326	91.31
Greene County			
County Pop	4,154	10,297	
WVPT-D (11)	2,384	5,805	
WBAL-TV-D.C (11)	73	196	3.38
WTVD-D.C (11)	24	60	1.03
Ix Free	2,287	5,549	95.59
Highland County			
County Pop	1,759	2,635	
WVPT-D (11)	1,519	2,285	
Ix Free	1,519	2,285	100.00
Louisa County			
County Pop	9,080	20,325	
WVPT-D (11)	420	1,171	
WBAL-TV-D.C (11)	18	55	4.70
WTVD-D.C (11)	18	55	4.70
Ix Free	402	1,116	95.30
Madison County			
County Pop	4,547	11,949	
WVPT-D (11)	852	1,958	
WBAL-TV-D.C (11)	16	46	2.35
WTVD-D.C (11)	1	2	0.10
Ix Free	836	1,912	97.65
Nelson County			
County Pop	7,063	12,778	
WVPT-D (11)	5,543	9,163	
WBAL-TV-D.C (11)	2	3	0.03
WTVD-D.C (11)	262	650	7.09
Ix Free	5,279	8,510	92.87
Orange County			
County Pop	9,038	21,421	
WVPT-D (11)	1,296	3,393	
WBAL-TV-D.C (11)	96	229	6.75
Ix Free	1,200	3,164	93.25
Page County			
County Pop	8,948	21,690	
WVPT-D (11)	1,470	3,539	
Ix Free	1,470	3,539	100.00
Rockbridge County			
County Pop	7,975	18,350	
WVPT-D (11)	7,844	18,068	
Ix Free	7,844	18,068	100.00
Rockingham County			
County Pop	22,614	57,482	
WVPT-D (11)	21,471	54,777	
WBAL-TV-D.C (11)	194	313	0.57
Ix Free	21,277	54,464	99.43
Shenandoah County			
County Pop	15,160	31,636	
WVPT-D (11)	2,628	5,365	
Ix Free	2,628	5,365	100.00

Bedford city			
County Pop	2,625	6,073	
WVPT-D (11)	5	16	
Ix Free	5	16	100.00
Buena Vista city			
County Pop	2,494	6,406	
WVPT-D (11)	2,494	6,406	
Ix Free	2,494	6,406	100.00
Charlottesville city			
County Pop	16,785	40,341	
WVPT-D (11)	16,059	38,587	
Ix Free	16,059	38,587	100.00
Clifton Forge city			
County Pop	2,131	4,679	
WVPT-D (11)	2,124	4,662	
Ix Free	2,124	4,662	100.00
Covington city			
County Pop	3,269	6,991	
WVPT-D (11)	1,887	4,043	
Ix Free	1,887	4,043	100.00
Harrisonburg city			
County Pop	10,900	30,707	
WVPT-D (11)	10,900	30,707	
Ix Free	10,900	30,707	100.00
Lexington city			
County Pop	2,311	6,959	
WVPT-D (11)	2,311	6,959	
Ix Free	2,311	6,959	100.00
Lynchburg city			
County Pop	27,233	66,049	
WVPT-D (11)	11,926	27,504	
WTV-D-D.C (11)	109	256	0.93
Ix Free	11,817	27,248	99.07
Staunton city			
County Pop	10,003	24,461	
WVPT-D (11)	10,003	24,461	
Ix Free	10,003	24,461	100.00
Waynesboro city			
County Pop	7,902	18,549	
WVPT-D (11)	7,902	18,549	
Ix Free	7,902	18,549	100.00

	Housing Units	Population	% of County
West Virginia			
Grant County			
County Pop	4,746	10,428	
WVPT-D (11)	45	64	
Ix Free	45	64	100.00
Greenbrier County			
County Pop	16,757	34,693	
WVPT-D (11)	852	914	
Ix Free	852	914	100.00

Hardy County			
County Pop	5,573	10,977	
WVPT-D (11)	83	178	
Ix Free	83	178	100.00
Pendleton County			
County Pop	4,516	8,054	
WVPT-D (11)	2,597	4,482	
Ix Free	2,597	4,482	100.00
Pocahontas County			
County Pop	5,579	9,008	
WVPT-D (11)	2,820	4,169	
WPCW-D.C (11)	8	20	0.48
WJHL-TV-D.C (11)	14	22	0.53
Ix Free	2,798	4,127	98.99
Randolph County			
County Pop	12,548	27,803	
WVPT-D (11)	406	660	
Ix Free	406	660	100.00