

V-Soft Communications Population Report

WBPB-LD-D (11) Palm Beach, FL - BLDVL20090126AAG
Broadcast Type: Digital Service: G [Stringent Emission Mask]
Lat: 25-59-09 N Lng: 080-11-37 W ERP: 0.3 kW AMSL: 187.0 m
TV Incoming Interference Study
Interference Considered Within: FCC Contour: 48 dBu
Signal Resolution: 1.25 km
LR Profile Spacing Increment: 0.1 km
Consider NTSC Taboo: Yes
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: 3/17/2009
TV Database Date: 2/28/2009

Primary Terrain: V-Soft 3 Second US Terrain

Population Database: 2006 US Census Estimate

Percentages calculated using a baseline population of 3,505,827.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WPLG-D.C (10)	970196	2296476	65.505	2551.50
WPLG-D.A (10)	260476	641874	18.309	1173.05

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WPLG-D.C (10)	2296476	65.505	1654602	47.196
WPLG-D.A (10)	641874	18.309	0	0.000

Stations considered which do not cause interference:

WPLG-D.A (10)
WPLG (10+)
WESH-D (11)
WALO-LP-D.C (11)
WDFL-D.C (11)
WVEA-LP-D.C (11)
W11DF-D.C (11)
WPEC (12Z)
WPTV-D.C (12)

Call Letters City State Dist Bear

WPLG-D.C (10)	Miami	FL	2.8	220.9
WPLG-D.A (10)	Miami	FL	2.8	220.9
WPLG-D.A (10)	Miami	FL	2.8	220.9
WPLG (10+)	Miami	FL	2.8	220.9
WESH-D (11)	Daytona Beach	FL	303.1	343.8
WALO-LP-D.C (11)	Jupiter	FL	105.9	4.1
WDFL-D.C (11)	Marathon	FL	120.0	198.7
WVEA-LP-D.C (11)	Tampa	FL	312.8	314.5
W11DF-D.C (11)	Key West	FL	226.6	226.0
WPEC (12Z)	West Palm Beach	FL	66.8	358.7
WPTV-D.C (12)	West Palm Beach	FL	66.8	358.4

Totals for WBPB-LD-D (11)

Calculation Area Population:	3,505,827	(	3702.1 sq. km)
Not Affected by Terrain Loss:	3,505,827	(	3702.1 sq. km)
Total NTSC Interference:	0	(	0.0 sq. km)
DTV Only Interference:	2,296,476	(	2551.5 sq. km)
Total DTV Interference:	2,296,476	(	2551.5 sq. km)
Interfered Population:	2,296,476	(	2551.5 sq. km)
Interference Free:	1,209,351	(	1150.6 sq. km)

Percent Interference: 65.50

Terrain Blocked Population:	0	(	0.0 sq. km)
Contour Area Population:	3,503,431		

Interference Free Breakdown:

White:	375,563	(	31.1%)
Black:	296,174	(	24.5%)
Hispanic:	495,276	(	41.0%)
Native American:	2,603	(	0.2%)
Asian:	29,340	(	2.4%)
Pacific Islander:	703	(	0.1%)
Mixed Race:	9,692	(	0.8%)

Total: 1,209,351

	Housing Units	Population	% of County
Florida			
Broward County			
County Pop	796,539	1,787,636	
WBPB-LD-D (11)	698,613	1,575,698	
WPLG-D.C (10)	464,113	1,017,194	64.56
WPLG-D.A (10)	135,467	286,357	18.17

Ix Free	234,500	558,504	35.44
Miami-Dade County			
County Pop	953,025	2,402,208	
WBPB-LD-D (11)	787,509	1,930,129	
WPLG-D.C (10)	506,083	1,279,282	66.28
WPLG-D.A (10)	125,009	355,517	18.42
Ix Free	281,426	650,847	33.72