

FIGURE 2  
Metro TV, Inc.  
November, 2003

V-Soft Communications Population Report

WNEP-D (49) Scranton, PA - BLCDT20020807AAF

TV Incoming Interference Study

Signal Resolution: 1 km

Consider NTSC Taboo: Yes

KWX error points are considered to be interference free coverage.

# of radials computed for contours: 72

Contours calculated using 8 radial HAAT.

LR Profile Spacing Increment: 1.0 km

Interference considered within the reference station's noise limited contour.

Using NTSC lptv/translators D/U rules.

Threshold for reception: 41.911

Study Date: 11/14/03

TV Database Date: 11-14-03

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 1,703,985.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WEDW (49-)	32421	77993	4.577	594.59
WWSI-D (49)	217	575	0.034	5.57
WNYOTV (49-)	231	566	0.033	25.49
WGCBTV (49+)	41039	99611	5.846	1011.51

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WEDW (49-)	77993	4.577	20303	1.192
WWSI-D (49)	575	0.034	575	0.034
WNYOTV (49-)	566	0.033	23	0.001
WGCBTV (49+)	99611	5.846	41408	2.430

Stations considered which do not cause interference:

WEKW-D (49)

WNDR-LP.A (49+)

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Call Letters	City	State	Dist	Bear
WEDW (49-)	Bridgeport	CT	225.3	86.4
WEKW-D (49)	Keene	NH	355.0	53.5
WWSI-D (49)	Atlantic City	NJ	215.1	142.8
WNYOTV (49-)	Buffalo	NY	278.5	310.5
WGCBTV (49+)	Red Lion	PA	154.3	203.3
WNDR.A (49+)	Syracuse, Etc.	NY	203.5	354.0

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Totals for WNEP-D (49)

Calculation Area Population:	2,161,365	(	26895.5 sq. km )
Not Affected by Terrain Loss:	1,703,985	(	21586.5 sq. km )
Total NTSC Interference:	119,937	(	1212.4 sq. km )
DTV Only Interference:	575	(	5.6 sq. km )
Total DTV Interference:	575	(	5.6 sq. km )
Interfered Population:	120,512	(	1218.0 sq. km )
Interference Free:	1,583,473	(	20368.5 sq. km )

Total Interference:	7.07%
Interference from WNDR-LP.A:	0.00%

Terrain Blocked Population:	457,380	(	5309.0 sq. km)
Contour Area Population:	2,161,612		