

Amendment - Figure 2

Longley-Rice Protection to WBNG-TV, Binghamton, NY

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February, 2003

V-Soft Communications Population Report

WBNGTV (12-) Binghamton, NY

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: 56.0

Study Date: 2/11/03

TV Database Date: 02-11-03

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 826,699.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WHYYTV (12Z)	3710	6671	0.807	386.61
CHEXTV (12+)	12650	38075	4.606	699.71
WICUTV (12Z)	1064	2327	0.281	153.94
W12BZ.A (12Z)	232	573	0.069	33.20

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WHYYTV (12Z)	6671	0.807	6657	0.805
CHEXTV (12+)	38075	4.606	36518	4.417
WICUTV (12Z)	2327	0.281	925	0.112
W12BZ.A (12Z)	573	0.069	404	0.049

Stations considered which do not cause interference:

WPRITV (12+)

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Call Letters	City	State	Dist	Bear
WHYYTV (12Z)	Wilmington	DE	231.9	164.8
CHEXTV (12+)	Peterborough	ON	316.3	323.7
WICUTV (12Z)	Erie	PA	335.5	271.5
WPRITV (12+)	Providence	RI	387.5	91.4
W12BZ.A (12Z)	Rome	NY	133.0	16.7

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(continued)

Totals for WBNGTV (12-)

Calculation Area Population:	1,215,240	(	28434.5 sq. km )
Not Affected by Terrain Loss:	826,699	(	23307.6 sq. km )
Total NTSC Interference:	46,075	(	1185.1 sq. km )
DTV Only Interference:	0	(	-0.0 sq. km )
Total DTV Interference:	0	(	0.0 sq. km )
Interfered Population:	46,075	(	1185.1 sq. km )
Interference Free:	780,624	(	22122.6 sq. km )
Total Interference:	5.57%		
Unique Interference from W12BZ.A:	0.05%		
Terrain Blocked Population:	388,541	(	5126.9 sq. km)
Contour Area Population:	1,214,240		