

FIGURE 5
 Renard Communications Corp.
 December, 2007

V-Soft Communications Population Report

WFSB (03+) Hartford, CT (Licensed) - BLCT20060324ABA
 Broadcast Type: NTSC Service: V
 Lat: 41-46-30 N Lng: 072-48-20 W ERP: 100.0 kW AMSL: 358.1 m
 TV Incoming Interference Study
 Interference Considered Within: Noise Limited FCC Contour
 Signal Resolution: 1.0 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 contours: 72
 Contours calculated using 8 radial HAAT.
 Using lptv/translators D/U rules.
 Threshold for reception: 47.0 dBu
 Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/29/07
 TV Database Date: 12/26/07

Primary Terrain: V-Soft 3 Second US Terrain
 Secondary Terrain: V-Soft 30 Second World Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 4,684,533.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WCBSTV (02Z)	95072	248488	5.304	647.27
WSTMTV (03-)	6975	18697	0.399	274.04
WNBC.A (04Z)	38481	103608	2.212	250.37
KYWTV (03Z)	162901	417530	8.913	1964.50
WCAXTV (03Z)	19151	47528	1.015	591.87
WBQM-LP-STA (03) (DTV)	51910	142282	3.037	399.85

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WCBSTV (02Z)	248488	5.304	16191	0.346
WSTMTV (03-)	18697	0.399	3182	0.068
WNBC.A (04Z)	103608	2.212	2726	0.058
KYWTV (03Z)	417530	8.913	175037	3.736
WCAXTV (03Z)	47528	1.015	46791	0.999
WBQM-LP-STA (03)	142282	3.037	0	0.000

Call Letters	City	State	Dist	Bear
WCBSTV (02Z)	New York	NY	151.0	221.3
WSTMTV (03-)	Syracuse	NY	302.2	296.6
WNBC.A (04Z)	New York	NY	151.0	221.3
KYWTV (03Z)	Philadelphia	PA	281.1	227.7
WCAXTV (03Z)	Burlington	VT	305.7	359.8
WBQM-LP-STA (03)	Brooklyn	NY	149.6	221.0

Totals for WFSB (03+)

Calculation Area Population:	5,321,231	(31947.2 sq. km)
Not Affected by Terrain Loss:	4,684,533	(28513.5 sq. km)
Total NTSC Interference:	499,451	(2682.4 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	142,282	(399.9 sq. km)
Interfered Population:	499,451	(2682.4 sq. km)
Interference Free:	4,185,082	(25831.1 sq. km)

Percent Total Interference: 10.66

Percent Unique Interference from WBQM-LP-STA: 0.00

Terrain Blocked Population:	636,698	(3433.8 sq. km)
Contour Area Population:	5,320,209	

FIGURE 6
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December, 2007

V-Soft Communications Population Report

KYWTV (03Z) Philadelphia, PA (Licensed) - BLCT1825
Broadcast Type: NTSC Service: V
Lat: 40-02-39 N Lng: 075-14-26 W ERP: 100.0 kW AMSL: 375.0 m
TV Incoming Interference Study
Interference Considered Within: Noise Limited FCC Contour
Signal Resolution: 1.0 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 contours: 72
Contours calculated using 8 radial HAAT.
Using lptv/translators D/U rules.
Threshold for reception: 47.0 dBu
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/29/07
TV Database Date: 12/26/07

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second World Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 10,076,887.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WFSB (03+)	502880	1294325	12.844	2803.91
WCBSTV (02Z)	456362	1254000	12.444	1911.75
WSTMTV (03-)	7895	21308	0.211	85.30
WNBC.A (04Z)	302568	844858	8.384	968.89
WPSUTV (03+)	80109	206789	2.052	934.38
WBQM-LP-STA (03) (DTV)	286236	786771	7.808	1076.05

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
WFSB (03+)	1294325	12.844	315784	3.134
WCBSTV (02Z)	1254000	12.444	124180	1.232
WSTMTV (03-)	21308	0.211	1278	0.013
WNBC.A (04Z)	844858	8.384	4710	0.047
WPSUTV (03+)	206789	2.052	180525	1.791
WBQM-LP-STA (03)	786771	7.808	0	0.000

Call Letters	City	State	Dist	Bear
WFSB (03+)	Hartford	CT	281.1	46.1
WCBSTV (02Z)	New York	NY	132.1	53.3
WSTMTV (03-)	Syracuse	NY	330.4	347.5
WNBC.A (04Z)	New York	NY	132.1	53.3
WPSUTV (03+)	Clearfield	PA	296.2	294.9
WBQM-LP-STA (03)	Brooklyn	NY	133.6	53.6

Totals for KYWTV (03Z)

Calculation Area Population:	10,437,743	(34033.3 sq. km)
Not Affected by Terrain Loss:	10,076,887	(32259.3 sq. km)
Total NTSC Interference:	1,789,663	(4157.0 sq. km)
DTV Only Interference:	0	(0.1 sq. km)
Total DTV Interference:	786,771	(1076.0 sq. km)
Interfered Population:	1,789,663	(4157.1 sq. km)
Interference Free:	8,287,224	(28102.2 sq. km)

Percent Total Interference: 17.76

Percent Unique Interference from WBQM-LP-STA: 0.00

Terrain Blocked Population:	360,856	(1774.0 sq. km)
Contour Area Population:	10,438,601		