

FIGURE 2
Renard Communications Corp.
December, 2007

V-Soft Communications Population Report

WABC-DT (45) New York, NY (Licensed) - BLCDT20010710ABU
Broadcast Type: Digital Service: T
Lat: 40-42-43 N Lng: 074-00-49 W ERP: 182.4 kW AMSL: 459.0 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: 41.6002
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
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 19,281,028.

Stations considered which do not cause interference:

WMBQ-CA (prop.) (46Z)

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	5.9	41.2

Totals for WABC-DT (45)

Calculation Area Population:	19,581,454	(27290.6 sq. km)
Not Affected by Terrain Loss:	19,281,028	(25610.3 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	19,281,028	(25610.3 sq. km)

Percent Interference from WMBQ-CA (prop.): 0.00

Terrain Blocked Population:	300,426	(	1680.3 sq. km)
Contour Area Population:	19,585,766		

FIGURE 3
 Renard Communications Corp.
 December, 2007

V-Soft Communications Population Report

WABC-DT (45) New York, NY - BXLCDT20051012ACE
 Broadcast Type: Digital Service: T
 Lat: 40-44-54 N Lng: 073-59-10 W ERP: 219.0 kW AMSL: 410.5 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: 41.6002
 Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
 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 19,194,317.

Stations considered which do not cause interference:

WMBQ-CA (prop.) (46Z)

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	1.7	74.8

Totals for WABC-DT (45)

Calculation Area Population:	19,504,851	(26333.2 sq. km)
Not Affected by Terrain Loss:	19,194,317	(24655.5 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	19,194,317	(24655.5 sq. km)

Percent Interference from WMBQ-CA (prop.): 0.00

Terrain Blocked Population:	310,534	(	1677.7 sq. km)
Contour Area Population:	19,502,760		

FIGURE 4
Renard Communications Corp.
December, 2007

V-Soft Communications Population Report

WABC-DT (45) New York, NY (Auxiliary CP) - BXPCDT20060213ABD
Broadcast Type: Digital Service: T
Lat: 40-45-22 N Lng: 073-59-12 W ERP: 399.0 kW AMSL: 324.2 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: 41.6002
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
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 18,968,450.

Stations considered which do not cause interference:

WMBQ-CA (prop.) (46Z)

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	1.7	104.7

Totals for WABC-DT (45)

Calculation Area Population:	19,238,061	(24639.7 sq. km)
Not Affected by Terrain Loss:	18,968,450	(23224.7 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	18,968,450	(23224.7 sq. km)

Percent Interference from WMBQ-CA (prop.): 0.00

Terrain Blocked Population:	269,611	(	1414.9 sq. km)
Contour Area Population:	19,235,750		

FIGURE 5
 Renard Communications Corp.
 December, 2007

V-Soft Communications Population Report

WNJU (47+) Linden, NJ (Licensed) - BLCT19800423KE
 Broadcast Type: NTSC Service: V
 Lat: 40-42-43 N Lng: 074-00-49 W ERP: 4570.0 kW AMSL: 471.0 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: 64.7634
 Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
 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 17,312,332.

Stations considered which do not cause interference:

WMBQ-CA (prop.) (46Z)

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	5.9	41.2

Totals for WNJU (47+)

Calculation Area Population:	17,508,236	(15391.1 sq. km)
Not Affected by Terrain Loss:	17,312,332	(14764.8 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	17,312,332	(14764.8 sq. km)

Percent Interference from WMBQ-CA (prop.): 0.00

Terrain Blocked Population:	195,904	(	626.3 sq. km)
Contour Area Population:	17,516,334		

FIGURE 6
Renard Communications Corp.
December, 2007

V-Soft Communications Population Report

WNJU (47+) Linden, NJ (Licensed Auxiliary) - BXLCT20070605ABK
Broadcast Type: NTSC Service: S
Lat: 40-44-54 N Lng: 073-59-10 W ERP: 1500.0 kW AMSL: 361.9 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: 64.7634
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
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 16,878,937.

Stations considered which do not cause interference:

WMBQ-CA (prop.) (46Z)

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	1.7	74.8

Totals for WNJU (47+)

Calculation Area Population:	17,115,096	(15385.2 sq. km)
Not Affected by Terrain Loss:	16,878,937	(14563.6 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	16,878,937	(14563.6 sq. km)

Percent Interference from WMBQ-CA (prop.): 0.00

Terrain Blocked Population:	236,159	(	821.7 sq. km)
Contour Area Population:	17,116,179		

FIGURE 7
 Renard Communications Corp.
 December, 2007

V-Soft Communications Population Report

WNJU (47+) Linden, NJ (Auxiliary CP) - BPCT20030721AGT
 Broadcast Type: NTSC Service: V
 Lat: 40-42-43 N Lng: 074-00-49 W ERP: 4000.0 kW AMSL: 470.0 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: 64.7634
 Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
 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 18,707,540.

Stations considered which do not cause interference:

WMBQ-CA (prop.) (46Z)

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	5.9	41.2

Totals for WNJU (47+)

Calculation Area Population:	19,084,718	(23559.6 sq. km)
Not Affected by Terrain Loss:	18,707,540	(21422.9 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	18,707,540	(21422.9 sq. km)

Percent Interference from WMBQ-CA (prop.): 0.00

Terrain Blocked Population:	377,178	(	2136.7 sq. km)
Contour Area Population:	19,081,650		

FIGURE 8
Renard Communications Corp.
December, 2007

V-Soft Communications Population Report

WPXN-TV (31-) New York, NY (Licensed) - BLCT19860703KH
Broadcast Type: NTSC Service: V
Lat: 40-42-43 N Lng: 074-00-49 W ERP: 2820.0 kW AMSL: 486.0 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: 63.4083
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
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 17,944,425.

Stations considered which do not cause interference:

WMBQ-CA (prop.) (46Z)

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	5.9	41.2

Totals for WPXN-TV (31-)

Calculation Area Population:	18,266,067	(20384.5 sq. km)
Not Affected by Terrain Loss:	17,944,425	(18565.7 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	17,944,425	(18565.7 sq. km)

Percent Interference from WMBQ-CA (prop.): 0.00

Terrain Blocked Population:	321,642	(	1818.8 sq. km)
Contour Area Population:	18,269,370		

FIGURE 9
Renard Communications Corp.
December, 2007

V-Soft Communications Population Report

WPXN-TV (31-) New York, NY (Licensed Auxiliary) - BXLCT20031121AOV
Broadcast Type: NTSC Service: S
Lat: 40-44-54 N Lng: 073-59-10 W ERP: 1800.0 kW AMSL: 373.7 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: 63.4083
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
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 17,398,951.

Stations considered which do not cause interference:

WMBQ-CA (prop.) (46Z)

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	1.7	74.8

Totals for WPXN-TV (31-)

Calculation Area Population:	17,614,988	(17240.9 sq. km)
Not Affected by Terrain Loss:	17,398,951	(15989.3 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	17,398,951	(15989.3 sq. km)

Percent Interference from WMBQ-CA (prop.): 0.00

Terrain Blocked Population:	216,037	(	1251.6 sq. km)
Contour Area Population:	17,620,362		

FIGURE 10
 Renard Communications Corp.
 December, 2007

V-Soft Communications Population Report

WPXN-TV (AP723) (31-) New York, NY (STA) - BPFS20020425ABW
 Broadcast Type: NTSC Service: V
 Lat: 40-48-08 N Lng: 074-14-48 W ERP: 2800.0 kW AMSL: 257.3 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: 63.4083
 Pop Centroid DB: 2000 US Census (SF1)

Study Date: 12/27/07
 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 16,210,532.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WMBQ-CA (prop.) (46Z)	16690	51136	0.315	8.37

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WMBQ-CA (prop.) (46Z)	51136	0.315	51136	0.315

Call Letters	City	State	Dist	Bear
WMBQ-CA (prop.) (46Z)	Manhattan	NY	24.2	103.2

Totals for WPXN-TV (AP723) (31-)

Calculation Area Population:	16,367,058	(	12635.9 sq. km)
Not Affected by Terrain Loss:	16,210,532	(	11962.7 sq. km)
Total NTSC Interference:	51,136	(	8.4 sq. km)
DTV Only Interference:	0	(	0.0 sq. km)

Total DTV Interference:	0	(	0.0 sq. km)
Interfered Population:	51,136	(	8.4 sq. km)
Interference Free:	16,159,396	(	11954.3 sq. km)
Percent Interference from WMBQ-CA (prop.):	0.315		
Terrain Blocked Population:	156,526	(	673.2 sq. km)
Contour Area Population:	16,363,231		