

# V-Soft Communications Population Report

CHCH-PT-1-D (22) Ottawa, ON

Broadcast Type: Digital Service: T

Lat: 45-13-00.84 N Lng: 075-33-51.11 W ERP: 845.0 kW AMSL: 387.4 m

TV Incoming Interference Study

Interference Considered Within: Noise Limited FCC Contour

Signal Resolution: 1.0 km

LR Profile Spacing Increment: 1.0 km

KWX error points are considered to be interference free coverage.

# of radials computed for protected contour: 72

Protected contour calculated using 8 radial HAAT.

Using lptv/translators D/U rules.

Threshold for reception: 39.5593 dBu

Pop Centroid DB: 2001 Canada Census

Study Date: 10/29/11

TV Database Date: 10/24/11

Primary Terrain: V-Soft 3 Second US Terrain

Secondary Terrain: V-Soft 30 Second World Terrain

Population Database: 2001 Canada Census

Percentages calculated using a baseline population of 1,438,213.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WTVU-LP-D.C (22)	107	283	0.020	7.86

Call Letters	City	State	Distance	Bearing
WTVU-LP-D.C (22)	Syracuse	NY	244.6 km.	191.6 deg.

Totals for CHCH-PT-1-D (22)

Calculation Area Population:	1,441,964	( 30345.5 sq. km )
Not Affected by Terrain Loss:	1,438,213	( 29510.0 sq. km )
DTV Interference:	283	( 7.9 sq. km )
Interfered Population:	283	( 7.9 sq. km )
Interference Free:	1,437,930	( 29502.1 sq. km )

Percent Interference: 0.02

Terrain Blocked Population:	3,751	( 835.6 sq. km)
Contour Area Population:	1,442,162	