

REPEATER PHOTOS

Note

- The first three photos were taken in May 2012
- Note that four other antennas are now visible on the roof of 2 St. Clair East.
- All the other photos were taken in Nov. 2010 before these latest antennas were installed

Looking South-west
Our building is the lighter-coloured
one in the Center



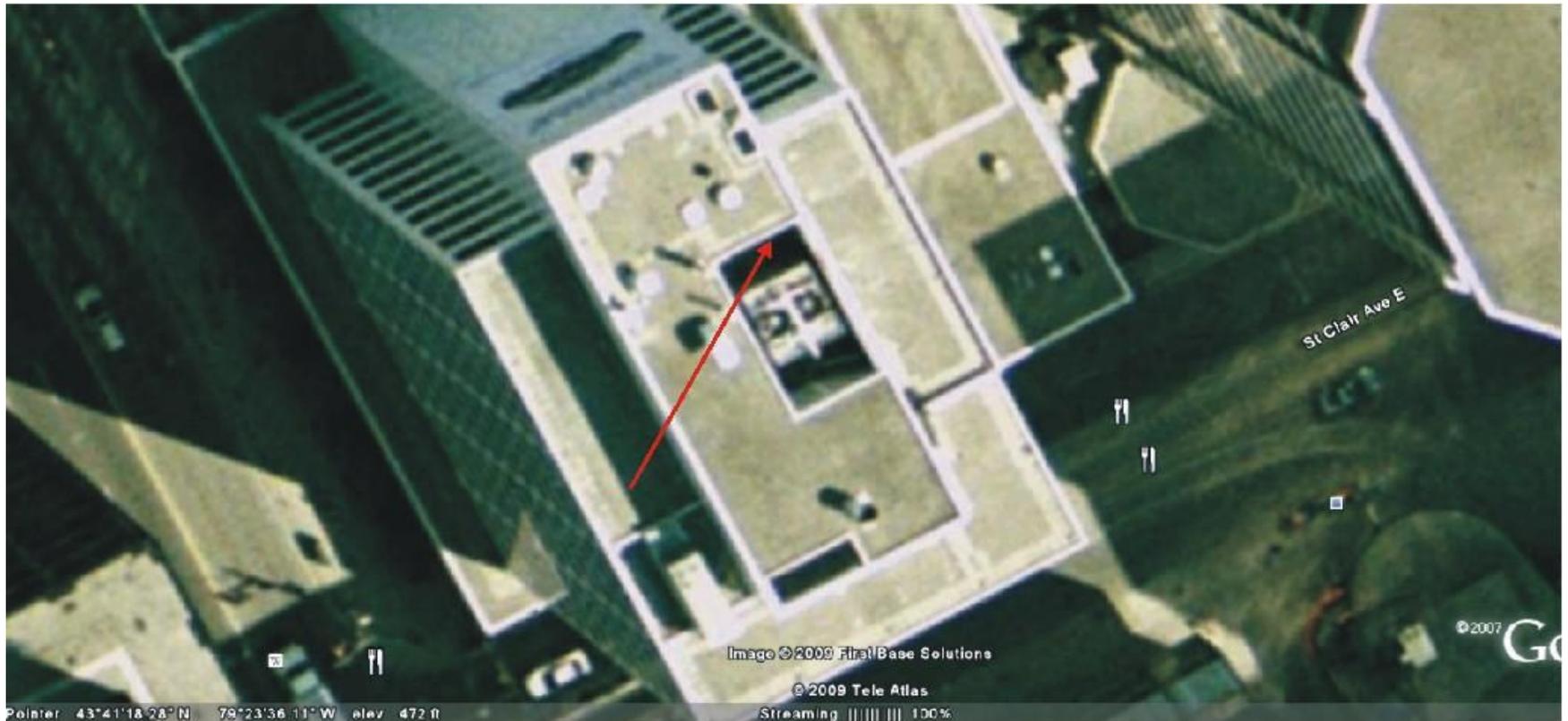
Telephoto Looking South-west (four other antennas are on the roof)



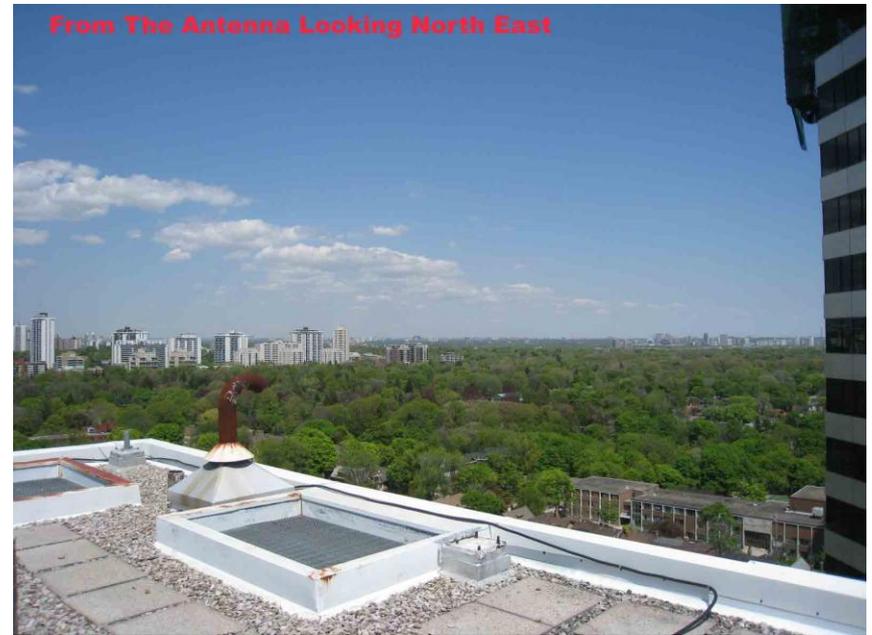
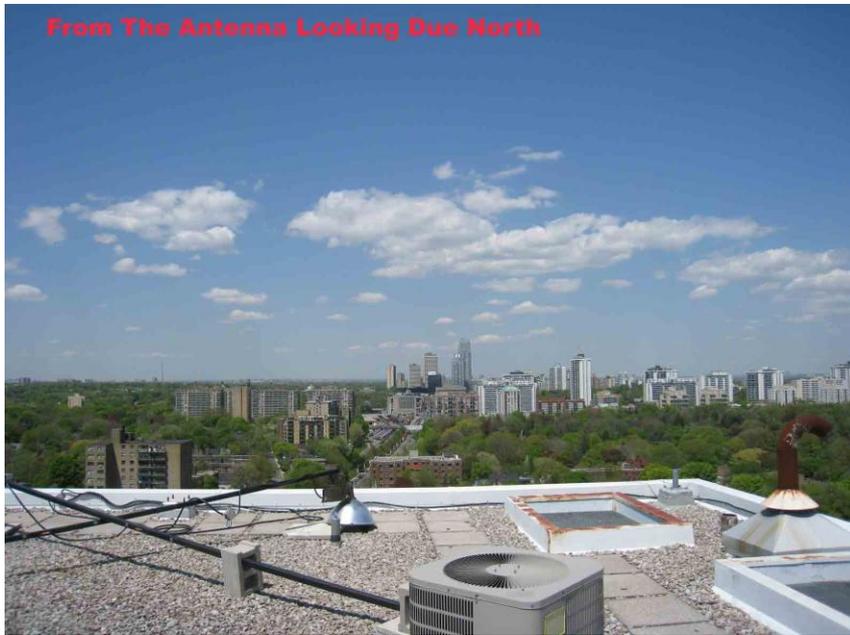
Looking North from Alvin and Yonge (Ours is the center building)



2 St. Clair East (North is approx. up) The arrow points to our antenna



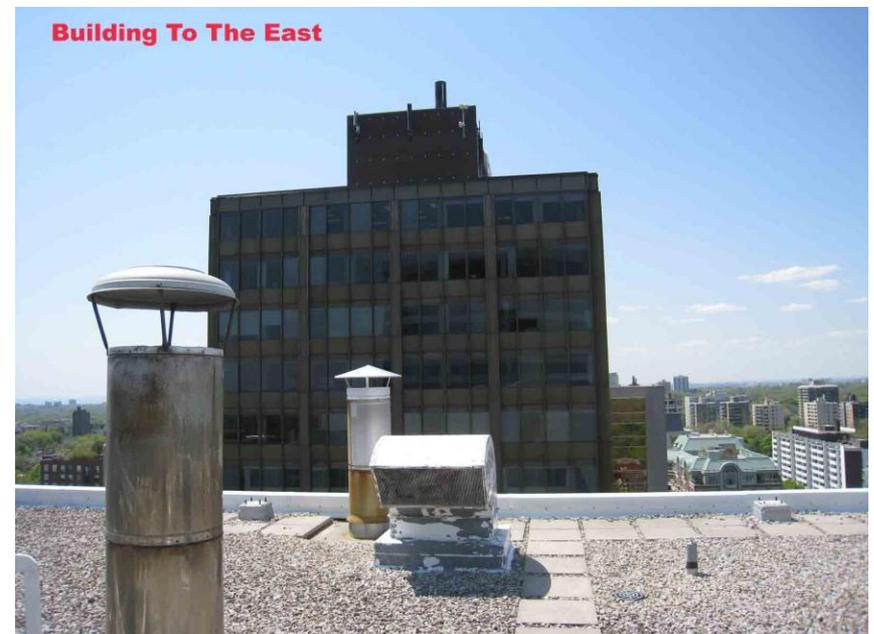
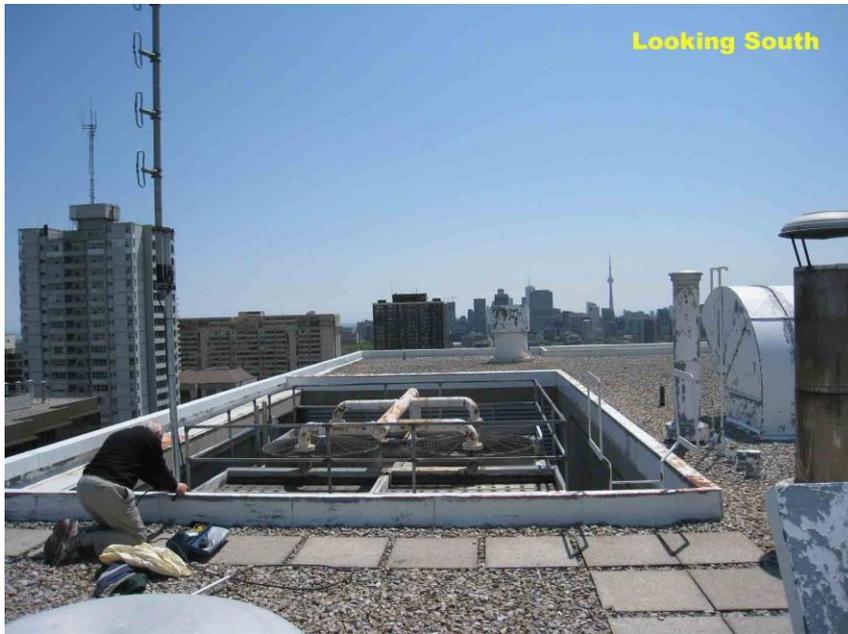
Roof-top to the North and North-East



Roof-top Facing North-West (with old guy removing insulation)



Roof-top Facing South and West (Notice CN Tower downtown) Our antenna is just behind the old guy



Roof-top Facing East and South-East

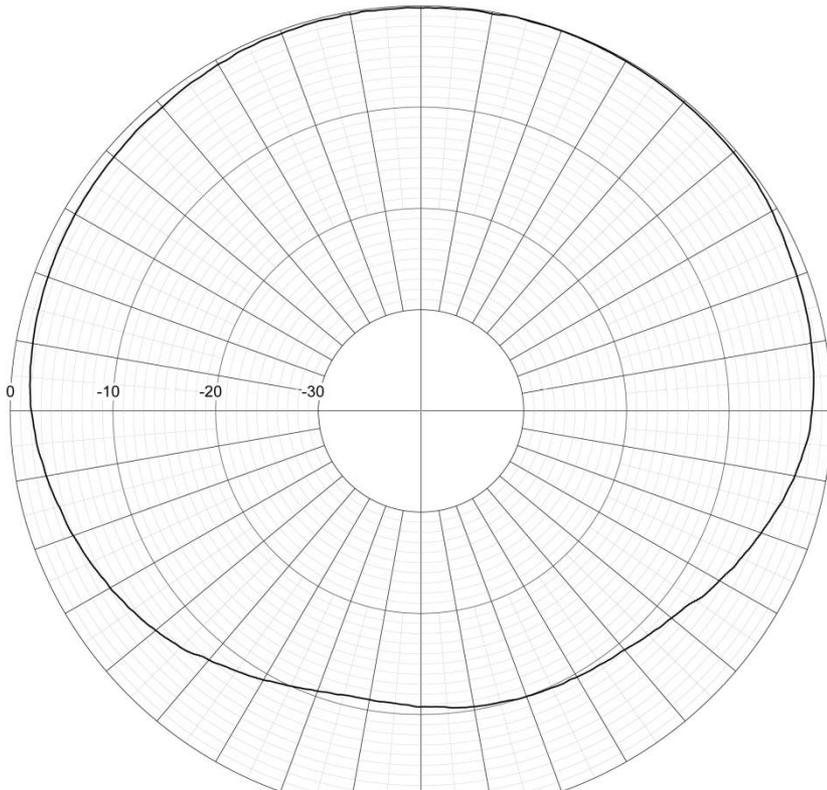
Note our Sinclair Antenna



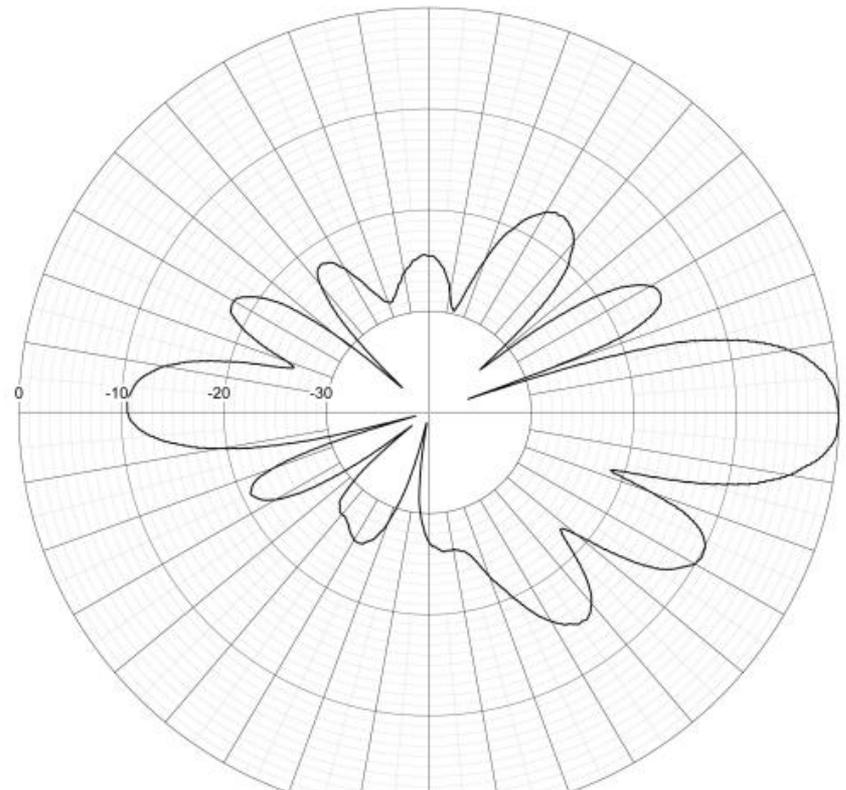
4-Bay Sinclair Dipole Radiation Pattern Horizontal; and Vertical Patterns

SINCLAIR TECHNOLOGIES

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MEASURED RADIATION PATTERN
Horizontal
Relative Gain - 10 dB per Division



MEASURED RADIATION PATTERN
Vertical
Relative Gain - 10 dB per Division

CONCLUSION

- Because other antennas are now on the same roof, the building height is probably quite sufficient for good repeater coverage, in spite of taller buildings to the immediate East and West.
- Because the measured field strength from the Sinclair was only marginally better than that from a simple dipole, we can suspect that the Sinclair is not performing as it should.