

# Signum Wireless

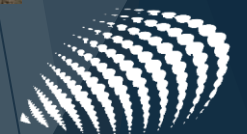
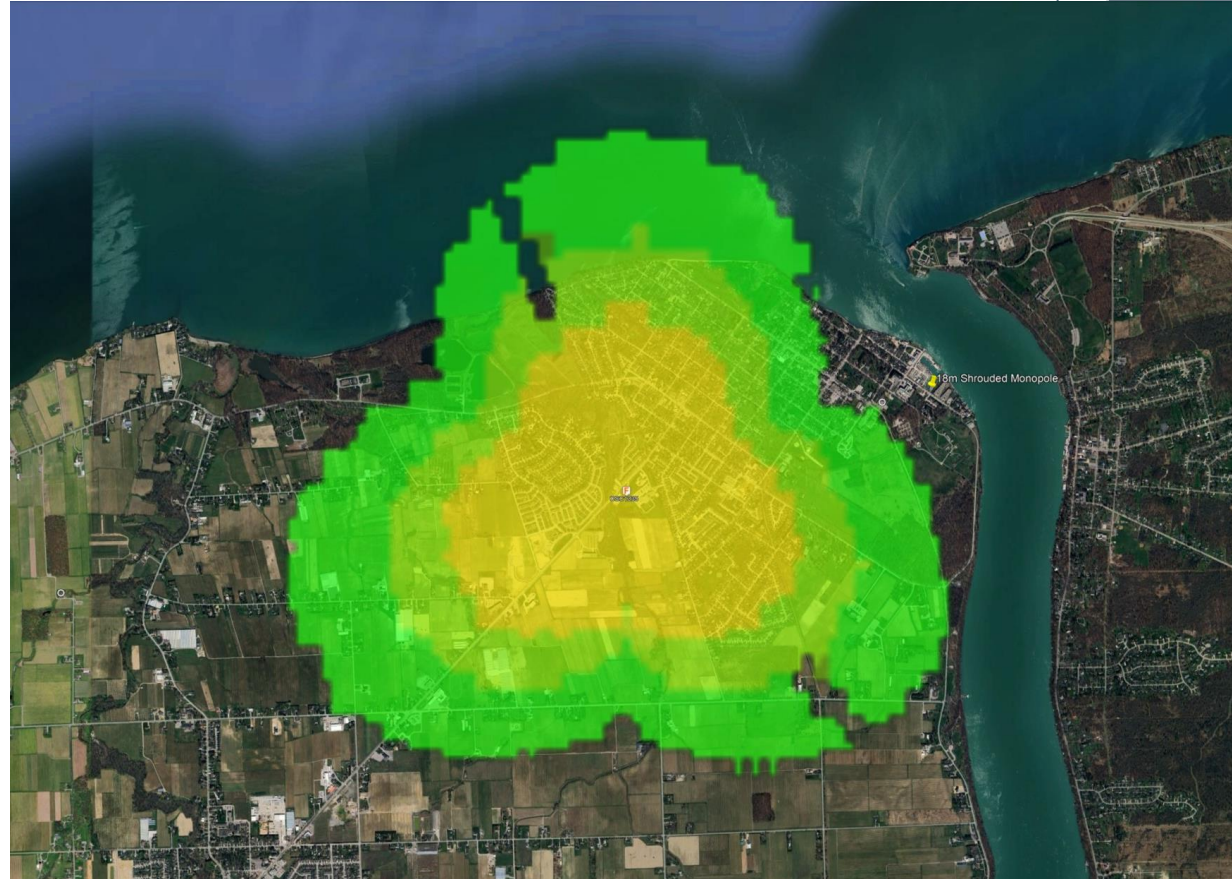
Coverage Plots – Freedom Mobile  
NOTL Property at Ricardo and Nelson St

Prepared by FONTUR International and Freedom Mobile

June 2, 2025

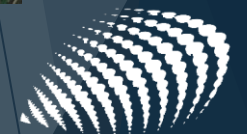
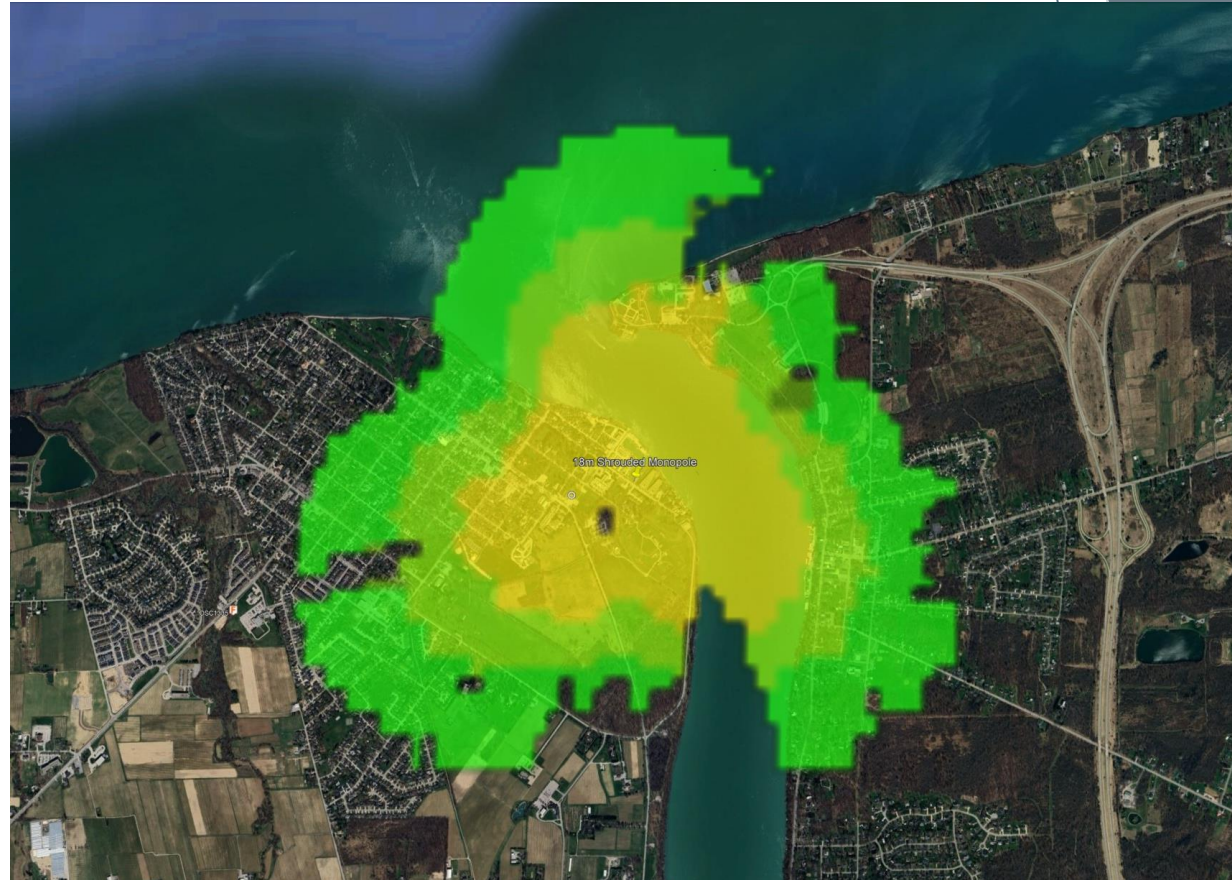
# Current Freedom Coverage in NOTL

- ▶ The only existing Freedom tower in Niagara-on-the-Lake is located at 2 Anderson Lane.
- ▶ The tower is owned and operated by Rogers Communication standing at a height of 45m.
- ▶ A total of 3 carriers are co-located on this tower, with Freedom's antennas at a height of 26m.
- ▶ Coverage Legend:
  - ▶ Yellow: Good coverage.
  - ▶ Light green: Adequate in-car/building coverage.
  - ▶ Green: Unreliable coverage.



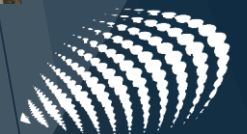
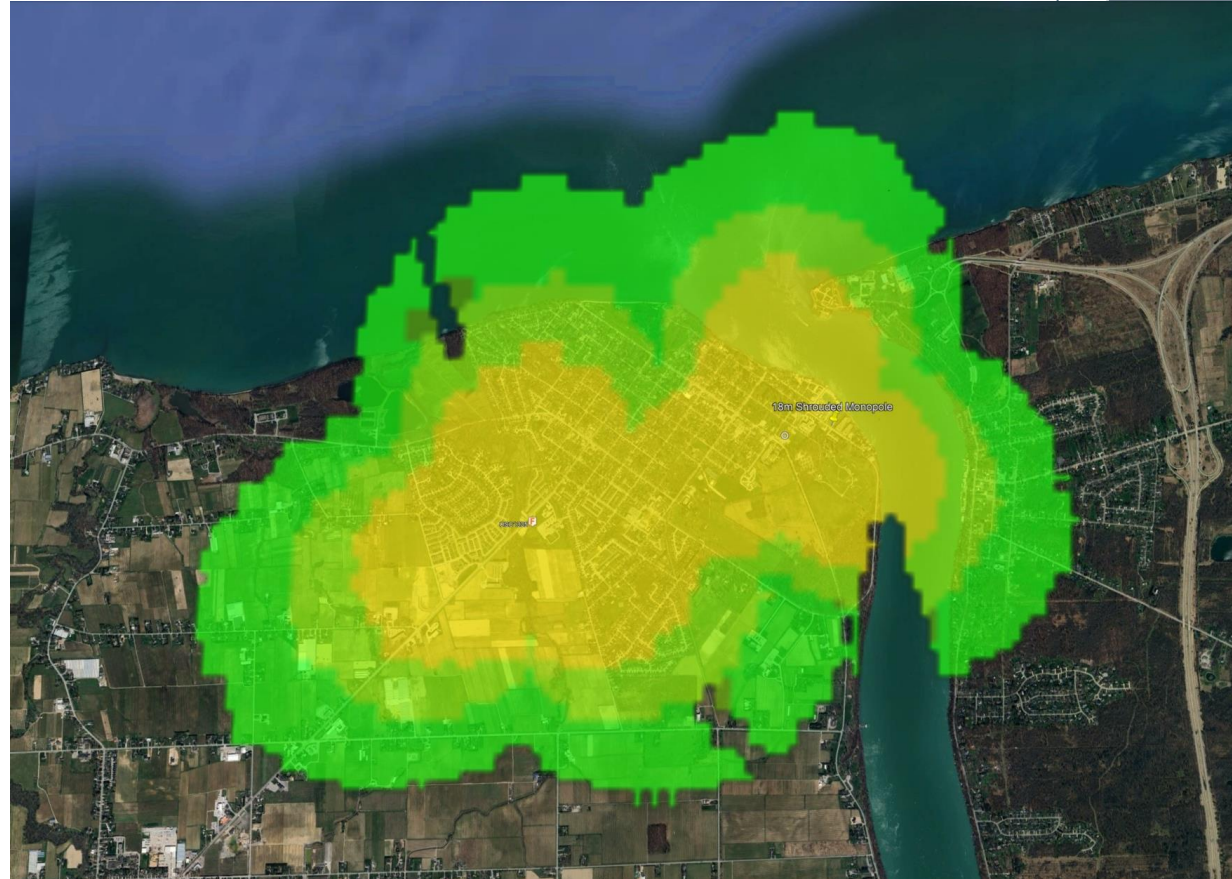
# Freedom Coverage with proposed Signum Tower

- ▶ Estimated Freedom coverage when co-locating on the proposed Signum tower.
- ▶ Coverage Legend:
  - ▶ Yellow: Good coverage.
  - ▶ Light green: Adequate in-car/building coverage.
  - ▶ Green: Unreliable coverage.



# Freedom Coverage with both towers

- ▶ Estimated Freedom coverage with both towers working in conjunction.
  - ▶ The new tower will significantly expand Freedom's service area.
- ▶ Coverage Legend:
  - ▶ Yellow: Good coverage.
  - ▶ Light green: Adequate in-car/building coverage.
  - ▶ Green: Unreliable coverage.



# Conclusion/Description of Coverage Data

The coverage analysis demonstrates that the majority of the Town of Niagara-on-the-Lake will be serviceable with the addition of the proposed Signum tower. Even as a standalone installation, the proposed tower significantly expands Freedom Mobile's coverage, particularly in areas north of Ricardo Street that are currently underserved. When operating in conjunction with the existing Freedom tower at 2 Anderson Lane, the network coverage is further strengthened, resulting in improved service reliability and more comprehensive coverage across the community.

Please note that this analysis is based solely on Freedom Mobile's infrastructure, as they are the only carrier currently confirmed to co-locate on the proposed tower. As such, we are unable to provide current coverage plots for the Bell and Rogers tower located at the Niagara-on-the-Lake Hospital, or for any of their associated infrastructure in the area.

