

cnHeat

Radio Frequency Predictions for Fixed Wireless

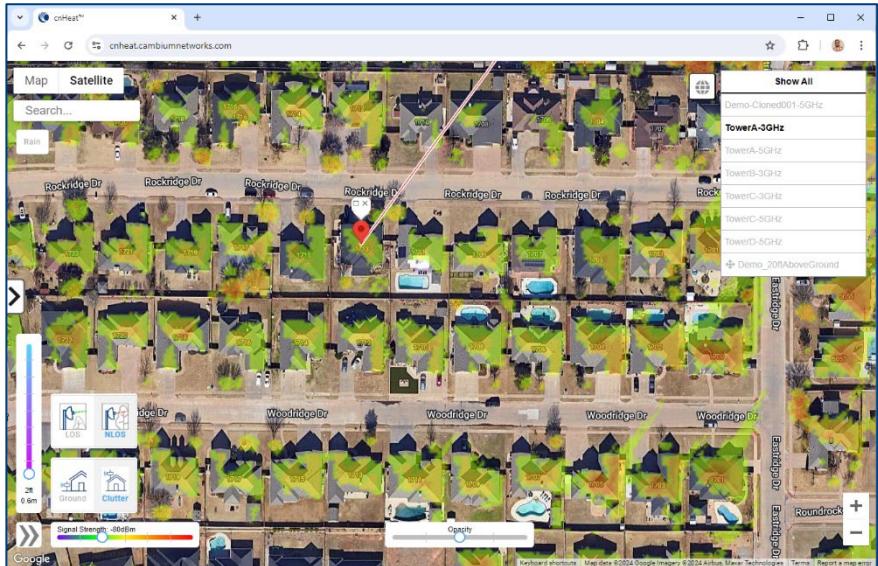
cnHeat Quick Look

- Built on Cambium Networks' expertise in fixed wireless radio frequency (RF) planning, propagation, and modeling, as seen in LINKPlanner and integrated with LiDAR data down to 1-meter precision
- Generates highly accurate RF predictions that accurately reflect the real world
- Supports 2.3–7.2 GHz, 28 GHz, and 60 GHz
- Helps users prequalify customers, plan their networks, and report coverage for BDC to the FCC



Highlights

- **Best-in-class NLOS prediction software:** Heatmaps with up to 1 m resolution and distances as far as 20 km (12.43 miles).
- **LOS/NLOS propagation model:** Accurate predictions of coverage behind trees and buildings for all your prediction needs.
- **Prequalify customers:** Service lookups to find the best place to install on any property (lat/lon and height) in seconds.
- **Operational savings:** Improved efficiency for customer installs avoiding unnecessary truck rolls.
- **More Accurate Network Planning:** Confidence in tower selection by testing tower site locations ahead of time.



Features

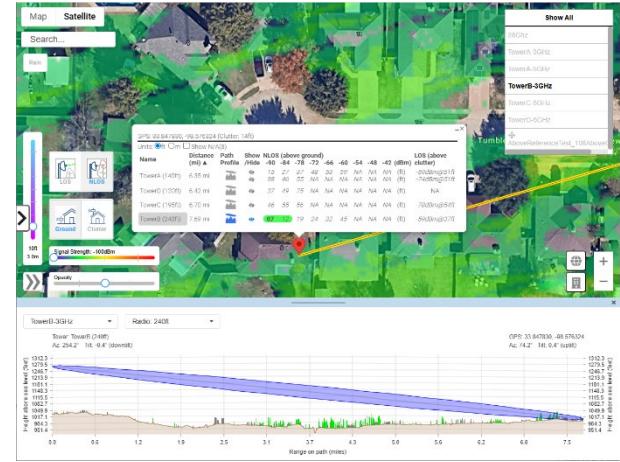
- Cloud-based (AWS-Amazon Web Services), making it highly scalable and reliable
- Manufacturer-agnostic so you can plan Cambium or third-party equipment
- Use of 1-meter LiDAR data to generate predictions
- Support for coverage exports for BDC reporting to the FCC
- Automated lead generation (API push to Powercode, Sonar, Splynx, or Visp) by embedding cnHeat into your website
- Flexible SKUs so you only pay for what you need
- API for easy automation

cnHeat Radio Frequency Predictions

Prequalify your subscribers with high-resolution heat maps.

Coverage is pre-processed for all customer install heights from 0–80 ft (0–24.4 m) so the user can dynamically configure installation heights in the tool without re-running predictions

- Clicking the map triggers the Point Analysis Tool:
 - Latitude and longitude
 - Height of clutter (e.g., building or tree height)
 - Distance from tower sites
 - Customer signal level at various install heights
- Dynamically see how rain affects mmWave (28 GHz and 60 GHz) coverage



Location bubble shares latitude, longitude, clutter height, distance from towers, and coverage heights for LOS and NLOS.

Find the best tower sites to deploy new equipment.

- Test new tower site locations with the Tower Eval feature
- Predictions generated in a fifth of the time of regular predictions
- Automatically receive a summary report of buildings covered by the Tower Eval site prediction as well as a link to download the GPS coordinates
- Option for a moveable site for extensive planning with a fixed cost



Height and signal strength sliders allow dynamic control of coverage for the heat map.

Best-in-Class Propagation Model

Propagation models reflect reality.

cnHeat showcases Cambium Networks' purpose-built proprietary propagation model. Cambium is known for its industry-leading wireless equipment and cutting-edge planning tools like LINKPlanner.

LOS/NLOS was developed to support the fixed point-to-multipoint experience.

Powered by High-Performance Computing

Trillions of calculations are needed to process the high-resolution LiDAR data and run predictions out to 12 miles at 1m resolution.

cnHeat Radio Frequency Predictions

Ordering Information: Macro Sites (20 km / 12.4 mi Range)

HT-SUB-ALL-3	3-year subscription for single regular site paid up-front
HT-SUB-ALL-3Q	3-year subscription for single regular site paid quarterly
HT-SUB-ALL-3M	3-year subscription for single regular site paid monthly
HT-SUB-ALL-1	1-year subscription for single regular site paid up-front
HT-SUB-ALL-1Q	1-year subscription for single regular site paid quarterly
HT-SUB-ALL-1M	1-year subscription for single regular site paid monthly
HT-SUB-ALL-3MN	3-month subscription for single regular site paid upfront
HT-SUB-ALL-3MNM	3-month subscription for single regular site paid monthly

Ordering Information: Micro Sites (5 km / 3.1 mi Range)

HT-SUB-M-ALL-3	3-year subscription for single micro site paid up-front
HT-SUB-M-ALL-3Q	3-year subscription for single micro site paid quarterly
HT-SUB-M-ALL-3M	3-year subscription for single micro site paid monthly
HT-SUB-M-ALL-1	1-year subscription for single micro site paid up-front
HT-SUB-M-ALL-1Q	1-year subscription for single micro site paid quarterly
HT-SUB-M-ALL-1M	1-year subscription for single micro site paid monthly
HT-SUB-M-ALL-3MN	3-month subscription for single micro site paid upfront
HT-SUB-M-ALL-3MNM	3-month subscription for single micro site paid monthly

NOTE: Pico Sites (1 km / 0.6 mi range) are free!

Ordering Information: Tower Eval Sites

HT-SUB-TEF-1MN	cnHeat 1 month fixed tower eval licenses, 10-pack package, priced per package
HT-SUB-TEM-1MN	cnHeat 1 month movable tower eval license

ABOUT CAMBIUM NETWORKS

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences and device connectivity with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We make connectivity that just works.

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