







The area covered by one Roger-GPS repeater:

- The diameter is about 130 165 ft. depending on the construction material and the signal blocking obstacles
- The height to reach the coverage is up to 50 ft. depending on the construction material
- The material (cars, aircraft or other big metal particles) create reflecting waves that may influence the area coverage
- The GPS receiver sensitivity (up to -160dBm) and position must be considered in the design
- The repeater has 40dB gain adjustment
- The repeater will have a delay of ~ 0.1µs / 30m of coaxial cable.
- The repeater provides the GPS clock as is, except the slight delay due to the cable connection to the outdoor antenna.

Badger Meter manufacturing application

