



More signal
to more
subscribers

Pivotal Commware developed the Echo 5G™ so fixed wireless service providers using millimeter wave frequencies can deliver superior broadband service to more subscribers at less cost.

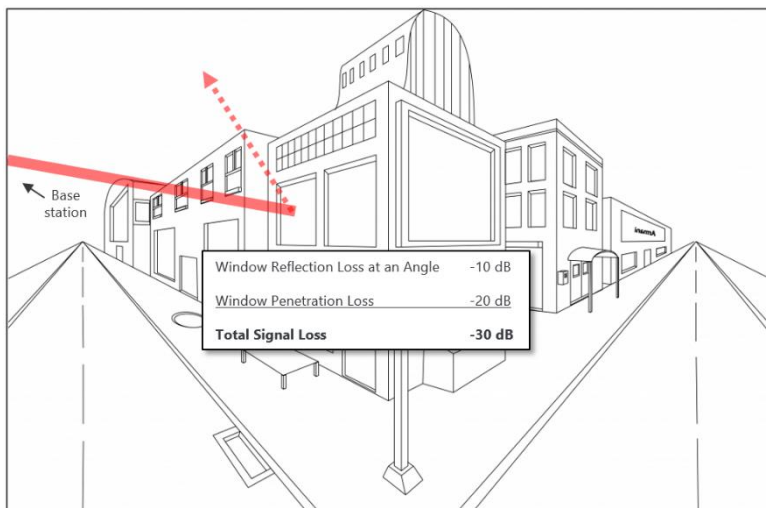
In booster mode, the Echo 5G uses Holographic Beam Forming™ (HBF) to counteract window penetration and reflection loss so consumers and enterprises can enjoy Gigabit speeds beyond the reach of cable and DSL. HBF offers the lowest available size, weight and power consumption profile so subscribers can install Echo 5G themselves. Besides saving on installation costs, service providers can serve more subscribers using fewer base stations. Echo 5G is the technology enabler that 5G service providers need to close the millimeter wave business case for serving fixed and mobile subscribers.

In reflector mode, two co-located Echo 5Gs cooperate to route RF energy around obstacles like buildings. This way, service providers can further minimize costly base station deployment.

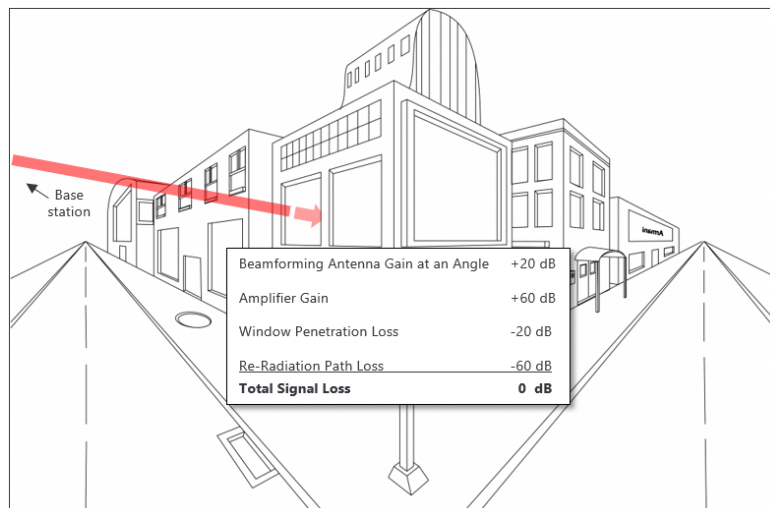
Key attributes of the Echo 5G include:

- Overcomes standard and low-E glass penetration loss by adding up to 30 dB to the 28 GHz link budget
- Overcomes reflection loss by scanning +/- 80° in azimuth, +/- 30° in elevation
- Enables bi-directional Gbps service indoors at distances up to 1 kilometer from the base station
- Compatible with 5G TF and 5G NR
- Self-install on-the-window
- Low power consumption, powered wirelessly through the window
- Small form factor, 7" x 5" x 1"

Booster Mode

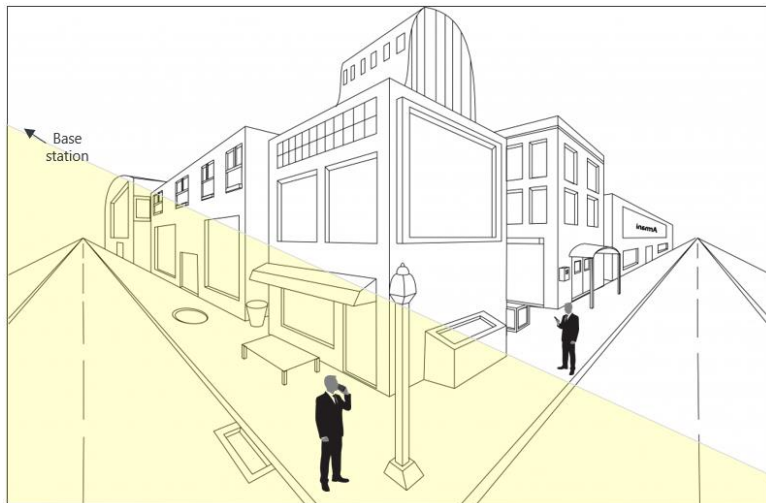


No Echo 5G

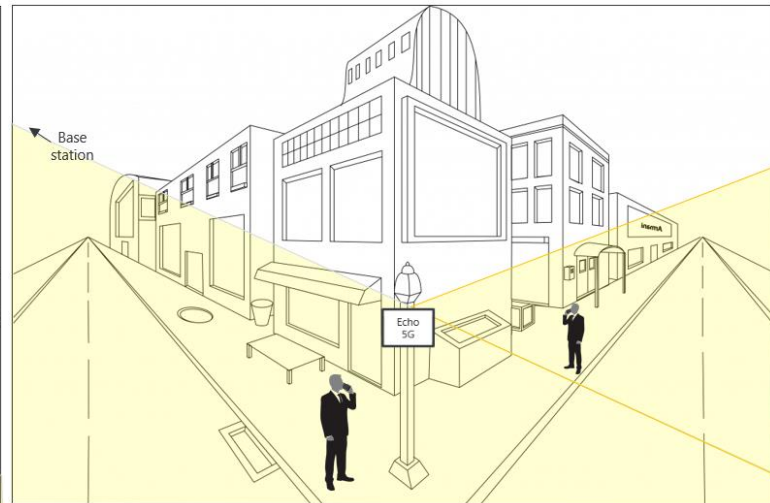


Echo 5G

Reflector Mode



No Echo 5G



Echo 5G