INTRACOM TELECOM

ENABLING YOUR BEAD APPLICATION WITH GIGABIT FWA

The necessity to connect unserved and underserved and subscribers, particularly in rural areas of the country, requires a toolbox of quick-to-implement solutions. For rural and semi-rural areas that are still experiencing low broadband network penetration rates, the cost-efficient delivery of gigabit connectivity at extended ranges is a significant challenge for service providers. MmW Fixed Wireless Access (FWA) is the most immediate, reliable and cost-effective way to reach unserved and underserved locations with gigabit service.

Millimeter wave spectrum, enabled with state-of-the-art massive beamforming and Multi-User MIMO, can be used to connect unserved and undeserved households with blazing gigabit speed. This technology is provided by the WiBAS™ G5 product family, today.

STABLE 5G FWA SPEED IN RURAL / SEMI-URBAN AREAS AT LOW TCO

In Figure 1 we see a real case study with the WiBAS™ G5 solution achieving coverage of an entire local market with 3 base stations (cells). End users can access speeds in the order of Gigabit/s even at a distance of 2.5 miles from the cell-center. To ensure full coverage in the same area and at the same speeds as WiBAS™ G5 a competitor's fixed wireless access product (as seen in Figure 2) limits the radius of cells to 0.3 miles. This translates into a need to deploy 64 base stations, a number that is approx. 20 times larger. This significant difference causes a major increase in Total Cost of Ownership (TCO) and the environmental burden due to the considerable increase in energy consumption.

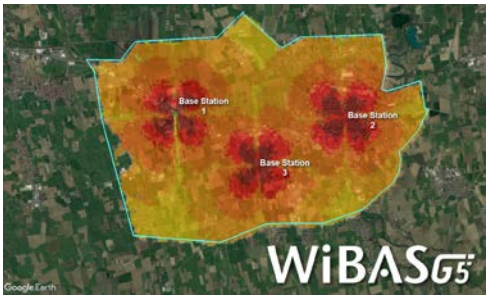

Figure 1

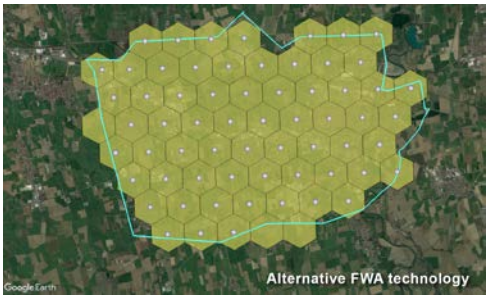

Figure 2