



Licensed Microwave systems typically support up to 300 Mbps. in some instances licensed systems can deliver up to 800 Mbps if sufficient contiguous spectrum is available, but acquiring licenses always presents significant challenges. Unlicensed Microwave systems typically support up to 150 Mbps of capacity, and neither comes close to matching the multi-gigabit capabilities of the Optical Wireless Broadband technology.

## Comparing Capacity: Truth In Bandwidth

When comparing technologies, its critical to account for the common practice of Microwave vendors to advertise their capacity with half-duplex numbers, meaning a radio advertised as 100 Mbps is actually 50 Mbps full-duplex. OWB numbers are always quoted in full-duplex, so a 100 Mbps OWB system is equivalent to a 200 Mbps radio system.

## Time For a Weigh-In

Microwave antennas dishes start at diameters of 1 foot, with 2 feet diameter dishes typical. The equipment required on the rooftop weighs at least 40 lbs (18kg), often substantially more. In contrast the SKYFIBER OWB outdoor unit weighsin at a slim 11 lbs (5kg), which translates to a smaller footprint, easier installation, and overall faster deployment.

## Advantages That Win The Fight

Optical Wireless Broadband also offers significant advantages with lower power consumption, lower weight, minimal wind loading, zero interference, and a host of other key benefits on critical decision parameters. The table below details the differences in these critical factors.



## **Contact Us**

For further information on SKYFIBER™ products and solutions, please contact sales@skyfiber.com. Or visit us on the web at www.skyfiber.com.

