



RURAL BROADBAND AND GIGABIT WIRELESS

Every Small Town has a Main Street



Often times when we use the term “rural” we think of wide open spaces with homes miles apart. This is true to some extent and these communities need broadband just as much, if not more, than their urban and suburban counterparts. Wireless has long played a role in delivering broadband to rural communities due to its inherent ability to deliver Mbps rapidly and at a substantially lower cost than wireline options. Today with broadband being defined as gigabits, wireless systems have turned to mmWave as the only solution that can deliver.

Every Small Town has a Main Street

While the image of homes spread across wide open spaces may be our predominant view of rural areas, the fact is that every one of these far-flung communities has a town at its center and every town has a main street. Many times the only fiber available, if it is there at all, is down the main thoroughfare. If you are a bank, a business, or a municipal building such as city hall and you are not exactly “on” that fiber, i.e. within 10 feet, it’s not for you.

Siklu’s mmWave wireless is the ideal solution, connecting to the fiber or high speed backbone wherever it exists in the community, and distributing Gigabit connectivity throughout. With mmWave wireless you can take those gigabits from the fiber POP and spread them across the entire town, and with Siklu you have a wide choice of systems to choose from. As every community is unique, one size truly does not fit all.



Dispelling Misconceptions - mmWave Goes the Distance

There is a misconception that mmWave is only a short range technology. While this can be true with certain frequencies and systems, the fact is mmWave can and does achieve ranges as far as 3 miles easily, and 6 miles or more when Siklu's ExtendMM is employed in our point-to-point products. For last mile access, Siklu offers our patented MultiHaul™ product line with terminal units the size of your smart phone, automatic alignment and gigabit services over ranges as far as a quarter mile. You can backhaul these point-to-multipoint (PMP) systems with Siklu's EtherHaul™ point-to-point (PTP) products, which feature link ranges measured in miles.

Siklu is your Rural Gigabit Solution Provider

No other company has the depth and breadth of Siklu's mmWave product portfolio. With three complete product lines that support topologies from PTP to PMP to mesh, Siklu has the systems to meet your specific topology and needs. Further, we have an extensive set of software apps to help plan, deploy and operate your network. With hundreds of mmWave networks deployed in rural communities around the world, such as in Colorado or open spaces of the United Kingdom, Siklu understands well the conditions and logistical considerations. Siklu – all mmWave all the time.



Siklu's radios are the most deployed millimeter wave systems in the world



EtherHaul™

Street Level

Up to 1Gb
Aggregated



EtherHaul™

Rooftop

Up to 10Gb
Full Duplex



MultiHaul™

Point-to-Multipoint

Plug-and-Play
Street level up to 1.8Gb
Aggregated



MultiHaul™ 366

Mesh

60GHz Gigabit



Siklu SmartHaul™ Network Software Tools



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