



Towerstream Chooses Siklu Gigabit Wireless for Fixed Wireless, Small Cell Backhaul Capabilities

The Challenge

Towerstream provides broadband wireless access and small cell backhaul services in 12 of the largest U.S. markets, using its own fixed wireless backbone. They needed to select a technology that could support its throughput and reliability requirements.

The Solution

EtherHaul-1200 Gigabit E-Band Radios
EtherHaul-600 Gigabit V-Band Radios

The Results

Towerstream has so far installed dozens of EtherHaul radios in its rooftop network, in various locations. They are finding millimeter waves particularly beneficial in urban areas where common carrier bands are saturated.

Background

Towerstream is leveraging its fixed wireless networks to provide wireless broadband and small cell infrastructure capabilities in 12 of the largest U.S. markets. As the company continues to expand its networks, it requires reliable high - capacity backhaul to satisfy its customers' needs. The challenge for Towerstream was selecting a technology to support its throughput and reliability requirements.

Business Challenge

- Deliver broadband services to customers, with a high degree of reliability
- Meet the capacity, reliability and flexible deployment demands of small cells
- Operate smoothly in dense urban areas where common carrier bands are saturated
- Simple and fast deployment
- Cost-effective solution that offers a high ROI

Deployment/System Integration

The company chose Siklu's EtherHaul-1200 E-band radio, for its reliable, future-proof gigabit throughput.

"Siklu's technology is a great fit where traditional common carrier path frequencies are saturated. The millimeter wave spectrum has particularly favorable characteristics for city deployments," said Arthur Giftakis, Vice President of Engineering and Network Operations at Towerstream.

In addition, Towerstream benefited from the easy and fast installation features of the EtherHaul radio. It operates over the lightly licensed E-band spectrum, with the advantages of rapid registration and low licensing

In Summary

"The EtherHaul radios are based on proprietary advanced all-silicon integration, which greatly increases reliability. It also allows us to reduce costs so that we can deliver an unbeatable price per megabit," explained Ilan Moshe, General Manager of Siklu's North American operations. "We are happy to be part of Towerstream's rapid network growth with our E-band product lines as well as our street-level connectivity product, the EtherHaul-600T, which operates in the unlicensed 60 GHz band."

