



Cambridge Broadband Networks

Unlock the power of 39GHz

VectaStar® is the market leading licensed point-to-multipoint (PMP) millimeter wave solution.

As VectaStar is **faster to deploy and up to half the cost** for a high capacity licensed link compared to PTP, it offers the most compelling solution to transform network performance.

As a result, carriers and WISPs have a more profitable business case to scale network capacities and SLAs - quickly resolving congested links in unlicensed spectrum and offering sectors of carrier-grade service.



VectaStar 600 series

VectaStar 600 is the latest evolution in the platform, supporting 50MHz and 56MHz channels to offer higher capacity and greater flexibility.



Competitive Carriers Association
Rural • Regional • Nationwide*

Innovation Award
Winners 2016

- Up to 550Mbps per link and up to 13.2Gbps hub site capacity
- Guaranteed carrier-grade services
- Saves up to 50% CAPEX, OPEX and total cost of ownership compared to PTP*
- Nationwide spectrum available with products at 28GHz and 39GHz
- Flexible leasing of wide channels available at 39GHz
- The most spectrally efficient route to transform last mile hub capacity to multiple gigabits per second
- Deployed across 47 countries and nine states, including five networks in New York City



Frequencies	10.5, 26, 27, 28 and 39GHz
Capacity	550Mbps per link, 1.1Gbps per sector, up to 13.2Gbps per hub site (utilizing 50MHz channels)
Sector antennas	30 and 90 degree
RT antennas	0.8', 1', 2', 3'
Range	26-28GHz: up to 5 miles at 99.99% (typical), 39GHz: 1-3 miles at 99.99% (typical)
Spectrum resuse	Ability to overbook carrier-grade SLAs at 4:1
Sites per sector	Up to 60

CBNL is the global market leader in licensed point-to-multipoint (PMP) microwave and millimeter wave. CBNL's carrier-class VectaStar® platform serves over 100 communication providers in 47 countries, including seven of the world's top ten largest mobile operators. Please consult CBNL sales representative for product availability details.

*Total cost of ownership and time to breakeven of last mile data transport for MNOs and ISPs (Real Wireless), 2016



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