



Small Cell Non-Line-of-Sight Backhaul

Demand for data is soaring.

Mobile operators are looking to deploy small cells to relieve their overburdened 3G/4G networks and enhance capacity and coverage. Small cells, which are typically deployed on street-level assets such as lamp posts, enable operators to boost capacity in dense urban areas and enhance coverage where there are 'coverage holes'.

Backhauling small cells poses significant challenges and necessitates non-line-of-sight transmission.

The right small cell backhaul solution needs to overcome obstacles to line-of-sight such as buildings and trees and operate seamlessly in high interference and severe multipath conditions.

Why RADWIN

RADWIN offers a portfolio of point-to-point and point-to-multipoint solutions that enable 3G/LTE small cell deployments TODAY. RADWIN's small cell backhaul solutions incorporate industry leading technologies and RADWIN's proprietary air interface. The wireless links are singularly capable of operating in dense urban environments where there are many obstacles to line-of-sight, and ensure robust transmission in dynamic street level conditions where there is high interference and severe multipath. With years of accumulated experience in NLOS deployments and the technological know-how in the sub-6 GHz carrier space, RADWIN is helping make small cell deployments a reality.

RADWIN's Unique Small Cell NLOS Backhaul Technology Enables:

- » Robust transmission in non-line-of-sight conditions
- » Seamless operation in a street-level environment where there is severe & dynamic multipath
- » Overcoming interference, even in high-interference zones



RADWIN Small Cell NLOS Backhaul Solution deployment at street level

RADWIN's Small Cell Backhaul Solution Highlights:

- » Complete portfolio of high-capacity point-to-point & point-to-multipoint links
- » Available in a wide range of sub-6 GHz licensed and license-free bands
- » High capacity links that meet the demands of LTE Picocell backhaul
- » Leading technologies (OFDM, MIMO, Diversity) and unique air interface
- » Fully outdoor units that are light & compact

About RADWIN

RADWIN is a leading global provider of point-to-point and point-to-multipoint solutions in sub-6 GHz. Established in 1997, RADWIN's solutions are deployed by Tier-1 mobile operators and service providers in over 140 countries worldwide.

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